

2017



Condensed Catalog RESIDENTIAL

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MODEL NOMENCLATURE RESIDENTIAL

MODEL NOMENCLATURE

90%+ GAS FURNACE

GAS FURNACE MODEL NUMBER IDENTIFICATION GUIDE										
DIGIT POSITION	1	2	3	4	5	6, 7, 8	9, 10	11, 12	13	14
	*	9	M	A	E	060	17	14	A	1
F, G = Mainline N = Entry	BRANDING									
9 = 90% – 100%	EFFICIENCY									
M = Multiposition	FEATURE									
A = ECM Variable Speed V = ECM Variable Speed X = ECM (Speed Select) S = Single-stage T = Two-stage										FEATURE
B = Base AFUE Efficiency E = Extra AFUE Efficiency C = Communicating D = Dual Certified 2-pipe or 1-pipe R = 2-pipe only S = Single-stage T = Two-stage N = Standard L = Low NOx										FEATURE
040 = 40,000 BTU/hr 060 = 60,000 BTU/hr 080 = 80,000 BTU/hr 100 = 100,000 BTU/hr 120 = 120,000 BTU/hr 140 = 140,000 BTU/hr										INPUT HEAT
14 = 14-3/16" 17 = 17-1/2" 21 = 21" 24 = 24-1/2"										CABINET WIDTH
08 = 800 CFM (max) 10 = 1000 CFM (max) 12 = 1200 CFM (max) 14 = 1400 CFM (max) 16 = 1600 CFM (max) 20 = 2000 CFM (max) 22 = 2200 CFM (max)										NOMINAL MAX. COOLING AIRFLOW @ .5 IN.W.C
SALES (MAJOR) REVISION DIGIT										
ENGINEERING (MINOR) REVISION DIGIT										

MODEL NOMENCLATURE

80% GAS FURNACE

GAS FURNACE MODEL NUMBER IDENTIFICATION GUIDE										
DIGIT POSITION	1	2	3	4	5	6, 7, 8	9, 10	11, 12	13	14
	*	8	M	X	N	045	14	12	A	1
F, G = Mainline N = Entry		BRANDING								
80 = 80+		EFFICIENCY								
M = Multiposition			FEATURE							
V = ECM Variable Speed										
X = ECM (Speed Select)										
H = Horizontal										
S = Single-stage										
T = Two-stage			FEATURE							
A = Modulating										
D = Dual Certified 2-pipe or 1-pipe										
R = 2-pipe only										
N = Standard										
L = Low NOx				FEATURE						
045 = 44,000 BTU/hr										
070 = 66,000 BTU/hr										
090 = 88,000 BTU/hr										
110 = 110,000 BTU/hr										
135 = 132,000 BTU/hr										
155 = 154,000 BTU/hr					INPUT HEAT					
14 = 14-3/16"										
17 = 17-1/2"										
21 = 21"										
24 = 24-1/2"					CABINET WIDTH					
08 = 800 CFM (max)										
12 = 1200 CFM (max)										
14 = 1400 CFM (max)										
16 = 1600 CFM (max)										
20 = 2000 CFM (max)										
22 = 2200 CFM (max)			NOMINAL MAXIMUM COOLING AIRFLOW @ .5 IN.W.C.							
SALES (MAJOR) REVISION DIGIT										
ENGINEERING (MINOR) REVISION DIGIT										

MODEL NOMENCLATURE

GAS FURNACE — ACCESSORIES

ACCESSORIES MODEL NUMBER IDENTIFICATION GUIDE							
DIGIT POSITION	1	2	3	4	5, 6, 7	8, 9	10, 11
	N	A	H	A	001	01	DH
N = Non-Branded	BRANDING						
A = Accessory	PRODUCT GROUP						
H = Heating			KIT USAGE				
A = Original							
B = 2nd Generation				MAJOR SERIES			
Product Identifier Number							
Package Quantity							
Type of Kit (Example: DH = Draft Hood - Chimney Adapter)							

ACCESSORIES MODEL NUMBER IDENTIFICATION GUIDE - PRIOR TO 2010						
DIGIT POSITION	1	2	3	4	5, 6, 7	8, 9
	N	A	H	A	001	DH
N = Non-Branded	BRANDING					
A = Accessory	PRODUCT GROUP					
H = Heating			KIT USAGE			
A = Original						
B = 2nd Generation				MAJOR SERIES		
Product Identifier Number						
Type of Kit (Example: DH = Draft Hood - Chimney Adapter)						

ACCESSORY PRODUCT IDENTIFIER ASSIGNMENT

- AL = ALTERNATE INPUT KIT
- BK = BLOWER KIT
- CV = CONCENTRIC VENT KIT
- DH = DRAFT HOOD
- DK = DRAIN KIT
- FB = WASHABLE FILTER BULK PACK
- FF = FILTER FRAME
- FK = FILTER KIT
- FP = 10 PACK FILTER KIT
- HL = HI ALTITUDE PROPANE KIT
- LP = NATURAL TO PROPANE KIT
- LV = LONG VENT KIT
- NG = PROPANE TO NATURAL GAS KIT
- NK = NEUTRALIZER KIT
- VC = VENT GUARD
- WK = TWINNING KIT
- WL = WARNING LABEL REPLACEMENT KIT

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

OIL FURNACE

OIL FURNACE MODEL NUMBER IDENTIFICATION GUIDE								
DIGIT POSITION	1	2	3	4	5, 6, 7	8	9, 10	11
	N	O	M	V	098	J	12	A
N = Burner included Blank = Burners and Accessories ordered separately								
O = Oil Furnace		FUEL						
C = Downflow/Horizontal D = Downflow/Horizontal H = Horizontal L = Lo-Boy M = Multiposition T = Upflow/Horizontal U = Upflow								
F = Front Breech R = Rear Breech V = Variable Motor				FEATURE				
098 = 98,000 BTU/hr 105 = 105,000 BTU/hr 106 = 106,000 BTU/hr 112 = 112,000 BTU/hr 154 = 154,000 BTU/hr 155 = 155,000 BTU/hr 156 = 156,000 BTU/hr 160 = 160,000 BTU/hr 210 = 210,000 BTU/hr 350 = 350,000 BTU/hr								INPUT HEAT
A = 20 x 20 B = 24 x 24 C = 21-1/8 x 21-1/2 D = 19 x 20 E = 19 x 24 F = 20 x 24 G = 22 x 30 J = 16 x 19 K = 17-1/2 x 19								SUPPLY PLENUM SIZE
08 = 800 CFM (max) 12 = 1200 CFM (max) 14 = 1400 CFM (max) 16 = 1600 CFM (max) 18 = 1800 CFM (max) 20 = 2000 CFM (max)								COOLING AIRFLOW
SALES (MAJOR) REVISION DIGIT								

MODEL NOMENCLATURE

AIR CONDITIONERS and HEAT PUMPS

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)											
DIGIT POSITION	1	2	3	4	5, 6	7	8	9	10	11	12
	*	4	A	3	18	A	K	A	1	0	0
C, H, or T = Mainline N = Entry R = Entry BRANDING											
2 = R-22 4 = R-410A C = Two-Stage Communicating S = Single Stage Communicating X = R-410A REFRIGERANT											
A = Air Conditioner H = Heat Pump TYPE											
3 = 13 SEER 4 = 14 SEER 5 = 15 SEER 6 = 16 SEER 7 = 17 SEER 8 = 18 SEER 9 = 19 SEER NOMINAL EFFICIENCY											
18 = 18,000 BTUH = 1½ tons 19 = 18,000 BTUH = 1½ tons 24 = 24,000 BTUH = 2 tons 25 = 24,000 BTUH = 2 tons 30 = 30,000 BTUH = 2½ tons 31 = 30,000 BTUH = 2½ tons 36 = 36,000 BTUH = 3 tons 37 = 36,000 BTUH = 3 tons 42 = 42,000 BTUH = 3½ tons 43 = 42,000 BTUH = 3½ tons 48 = 48,000 BTUH = 4 tons 49 = 48,000 BTUH = 4 tons 60 = 60,000 BTUH = 5 tons 61 = 60,000 BTUH = 5 tons NOMINAL CAPACITY											
A = Standard Grille G = Coil Guard Grille C = Coastal FEATURES											
K = 208/230-1-60 VOLTAGE											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

MODEL NOMENCLATURE

DUCTED HORIZONTAL AIR CONDITIONERS and HEAT PUMPS

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE											
DIGIT POSITION	1,2	3	4	5	6,7	8	9	10	11	12	13
	HC	4	A	3	18	A	K	A	1	0	0
Horizontal Condenser	UNIT	REFRIGERANT		NOMINAL EFFICIENCY		FEATURES		VOLTAGE			
4 = R-410A											
A = Air Conditioner			TYPE								
H = Heat Pump											
3 = 13 SEER											
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons					NOMINAL CAPACITY						
A = Standard Grille											
K = 208/230-1-60											
H = 208/230-3-60											
L = 460-3-60											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

AIR CONDITIONERS and HEAT PUMPS — ACCESSORIES

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE									
DIGIT POSITION	1	2	3	4	5	6, 7	8, 9	10, 11	
	N	A	S	A	0	01	01	CH	
N = Non-Branded	BRANDING		PRODUCT GROUP		KIT USAGE		MAJOR SERIES		REFRIGERANT
A = Accessory									
S = Split System (AC & HP)									
A = Original									
B = 2nd Generation									
0 = Generic or Not Applicable									
2 = R-22									
4 = R-410A									
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

MODEL NOMENCLATURE

HIGH WALL MINI-SPLITS, R-410A

DUCTLESS SPLIT SYSTEM MODEL NUMBER IDENTIFICATION GUIDE – OUTDOOR								
DIGIT POSITION	1,2,3	4	5	6	7,8	9	10	11
	DFC	4	A	3	09	J	1	A
DFC = Ductless Condenser		UNIT						
DFS = Ductless System		REFRIGERANT						
4 = Environmentally Sound R-410A								
A = Air Conditioner				TYPE				
H = Heat Pump								
3 = 13								
4 = 14				NAMEPLATE SEER				
09 = 9,000 BTUH = ¾ ton								
12 = 12,000 BTUH = 1 ton								
18 = 18,000 BTUH = 1½ tons								
24 = 24,000 BTUH = 2 tons				NOMINAL CAPACITY				
J = 115-1-60								
K = 208/230-1-60						SUPPLY VOLTAGE		
1 = Single Zone								
2 = Dual Zone								
3 = Tri Zone						SALES CODE / FEATURES		
Sales Code								

DUCTLESS SPLIT SYSTEM MODEL NUMBER IDENTIFICATION GUIDE – INDOOR								
DIGIT POSITION	1,2,3	4	5	6	7,8	9	10	11
	DFC	4	A	H	09	J	1	A
DFC = Ductless Fan Coil		UNIT						
DFS = Ductless System		REFRIGERANT						
4 = Environmentally Sound R-410A								
A = Air Conditioner				TYPE				
H = Heat Pump								
H = High Wall								
U = Under Ceiling				APPLICATION				
C = Cassette								
09 = 9,000 BTUH = ¾ ton								
12 = 12,000 BTUH = 1 ton								
18 = 18,000 BTUH = 1½ tons								
24 = 24,000 BTUH = 2 tons				NOMINAL CAPACITY				
J = 115-1-60								
K = 208/230-1-60						SUPPLY VOLTAGE		
1 = Single Zone								
2 = Dual Zone								
3 = Tri Zone						SALES CODE / FEATURES		
Sales Code								

MODEL NOMENCLATURE

DUCTLESS SPLIT SYSTEM MODEL NUMBER IDENTIFICATION GUIDE

MODEL SERIES	D	L	C	4	A	6	0	9	J	1	A
Position Number	1	2	3	4	5	6	7	8	9	10	11
DLC = Outdoor DLF = Indoor	Outdoor/Indoor										
4A6 = AC 4H6 = HP											
09 = 9k BTU 12 = 12k BTU 18 = 18k BTU 24 = 24k BTU 30 = 30k BTU 36 = 36k BTU											
J = 115-1-60 K = 208/230-1-60											
1A											

Type

Size

Voltage

Factory Designation

FAN COILS

FVM, FXM, FEM, FSM, FCM series FAN COIL MODEL NUMBER IDENTIFICATION

DIGIT POSITION	1	2	3	4	5	6,7,8,9	10	11
	F	V	M	4	X	1800	A	T
F = Fan Coil S = Standard PSC E = High efficiency ECM C = Communicating X = ECM V = Variable Speed	UNIT		MOTOR TYPE					
U = Upflow M = Multiposition			INSTALLATION TYPE					
2 = R-22 4 = Environmentally Sound R-410A					REFRIGERANT			
P = Piston Metering Device X = TXV							METERING DEVICE	
1800 = 18,000 BTUH = 1½ tons 2400 = 24,000 BTUH = 2 tons 3000 = 30,000 BTUH = 2½ tons 3500 = 36,000 BTUH = 3 tons 3600 = 36,000 BTUH = 3 tons 4200 = 42,000 BTUH = 3½ tons 4800 = 48,000 BTUH = 4 tons 6000 = 60,000 BTUH = 5 tons							NOMINAL CAPACITY	
A = Copper Tube, Aluminum Fin Evaporator Coil AL = Aluminum Tube, Aluminum Fin Evaporator Coil AT = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil							SALES CODE / FEATURES	

MODEL NOMENCLATURE

FMA4P & FMA4X series FAN COIL MODEL NUMBER IDENTIFICATION GUIDE							
FAN COIL MODEL NUMBER IDENTIFICATION GUIDE							
	F	M	A	4	P	2400	A
F = Fan Coil		M = Multi-Family		A = Apartment Upflow		2400 = 24,000 BTUH = 2 tons	
		TYPE		INSTALLATION TYPE		NOMINAL CAPACITY	
				4 = Environmentally Sound R-410A		3000 = 30,000 BTUH = 2-1/2 tons	
				P = R-410A Piston		3600 = 36,000 BTUH = 3 tons	
				X = R-410A TXV Standard			
				REFRIGERANT		METERING DEVICE	
						SALES CODE / FEATURES	

FMU4P, FMU4X, FMC4P, FMC4X series FAN COIL MODEL NUMBER IDENTIFICATION GUIDE							
	F	M	U	4	P	2400	A
F = Fan Coil		M = Multi-Family		U = Uncased		2400 = 24,000 BTUH = 2 tons	
		TYPE		INSTALLATION TYPE		NOMINAL CAPACITY	
				C = Cased		3000 = 30,000 BTUH = 2-1/2 tons	
				4 = Environmentally Sound R-410A		3600 = 36,000 BTUH = 3 tons	
				P = R-410A piston			
				REFRIGERANT		METERING DEVICE	
						SALES CODE / FEATURES	

FAN COIL – ACCESSORIES

FVM, FXM, FEM, FSM, EBV series					
FAN COIL ACCESSORY PART NUMBER IDENTIFICATION GUIDE					
DIGIT POSITION	1,2	3,4	5,6	7,8,9	10
	EB	AC	01	NCB	A
EB = Evaporator Blower		AC = Accessory		NCB = Non-Combustible Base Kit	
UNIT				DFS = Down Flow Kit – Slope Coil	
				DFA = Down Flow Kit – A Coil	
				PLG = Power Plug (no heat kit)	
				SPK = Single Point Wiring Kit	
				FKS = Filter Kit Small	
				FKM = Filter Kit Medium	
				FKL = Filter Kit Large	
				FKX = Filter Kit Extra Large	
				CTK = Condensate Trap Kit (PVC pipe)	
				ACCESSORY TYPE	
				Sales Code	

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

MODEL NOMENCLATURE

FAN COIL – ELECTRIC HEATERS

FVM, FXM, FEM, FSM, EBV series FAN COIL ELECTRIC HEATER PART NUMBER IDENTIFICATION GUIDE						
DIGIT POSITION	1,2,3	4,5	6	7	8	9
	EHK	05	A	K	N	1
EHK = Electric Heater Kit						
05 = 5 kW						
07 = 7 kW						
09 = 9 kW						
10 = 10 kW						
15 = 15 kW						
18 = 18 kW						
20 = 20 kW						
25 = 25 kW						
30 = 30 kW		NOMINAL HEAT VALUE				
Sales Code						
K = 208 / 230 single-phase						
H = 208 / 230, 3-phase						
KC = 208 / 230, supplied as single phase, field convertible to 3-phase						
HC = 208 / 230 supplied as 3-phase, field convertible to single phase						
				VOLTAGE (60 Hz)		
Product Identifier						
Engineering Revision						

FMA4P, FMA4X series FAN COIL ELECTRIC HEATER PART NUMBER IDENTIFICATION GUIDE				
DIGIT POSITION	1,2,3	4	5,6	7
	EHK	2	05	B
EHK = Electric Heat Kit				
Sales Code				
05 = 5 kW				
08 = 7.5 kW				
10 = 11 kW				
			NOMINAL HEAT VALUE	
Engineering Code				

FMU4P, FMU4X, FMC4P, FMC4X series FAN COIL ELECTRIC HEATER MODEL NUMBER IDENTIFICATION GUIDE				
DIGIT POSITION	1,2,3	4	5,6	7
	EHK	3	05	B
EHK = Electric Heater Kit				
Sales Code				
05 = 5 kW				
08 = 7.5 kW				
10 = 10 kW				
			NOMINAL HEAT VALUE	
Engineering Code				

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

MODEL NOMENCLATURE

MODULAR BLOWERS and ELECTRIC FURNACE

MODULAR BLOWERS and ELECTRIC FURNACE MODEL NUMBER IDENTIFICATION GUIDE							
DIGIT POSITION	1	2	3,4	5,6	7,8	9	10
M = Cased Modular Blower	M	V	08	00	14	C	1
V = Variable Speed ECM Motor 208/230-1-60							
F = Electric Furnace 208/230-1-60							
B = Blower Cabinet 115-1-60		UNIT					
08 = 800 (2 ton)							
12 = 1200 (3 ton)							
16 = 1600 (4 ton)							
20 = 2000 (5 ton)		NOMINAL CFM					
00 = No Electric Heat		FACTORY INSTALLED ELECTRIC HEAT					
14 = 14-1/2"							
17 = 17-1/2"							
21 = 21"							
24 = 24-1/2"		COIL WIDTH MATCH					
Sales Code							
Engineering Revision							

MODULAR BLOWERS and ELECTRIC FURNACE ACCESSORY PART NUMBER IDENTIFICATION GUIDE							
DIGIT POSITION	1	2	3	4,5,6	7,8	9	10
A = Accessory	A	M	F	001	DF	A	1
C = Cooling							
H = Heating							
M = Multi-use (heating and cooling)							
X = Special		PRODUCT TYPE					
Series							
Product Identifier Number							
DF = Downflow Kit		NH= No Heat Kit					
OT = 2-stage Outdoor Thermostat							
SP = Single Point Wiring Kit		ACCESSORY TYPE					
Sales Code							
Engineering Revision							

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

MODEL NOMENCLATURE

MODULAR BLOWERS and ELECTRIC FURNACE (MV*B, MF*B) HEATER PART NUMBER IDENTIFICATION GUIDE								
DIGIT POSITION	1,2	3	4	5,6	7	8	9	10
	EH	I	A	15	K	B	1	0
EH = Electric Heater								
I = ICP Modular Unit								
A = Sales Code								
00 = No Heat Kit								
05 = 5 kW								
07 = 7 kW								
10 = 10 kW								
15 = 15 kW								
20 = 20 kW								
25 = 25 kW				NOMINAL HEAT VALUE				
K = 208 / 230 single-phase								
H = 208 / 230, 3-phase					VOLTAGE			
B = Circuit Breaker								
N = Non-Breaker						ELECTRICAL PROTECTION		
Engineering Revision								
Product Identifier								

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

MODEL NOMENCLATURE

SMALL PACKAGE UNITS

MODEL NUMBER IDENTIFICATION GUIDE										
DIGIT POSITION	1	2	3	4	5,6	7,8,9	10	11,12	13	14
	P	G	S	3	36	060	K	GS	0	C
P = Package	UNIT									
A = Air Conditioner										
H = Heat Pump										
D = Dual Fuel										
G = Gas/Electric		TYPE								
D = Standard										
S = Mainline with SS HX			TIER							
3 = 13										
4 = 14										
5 = 15					SEER					
24 = 24,000 BTUH = 2 Tons										
30 = 30,000 BTUH = 2.5 Tons										
36 = 36,000 BTUH = 3 Tons										
42 = 42,000 BTUH = 3.5 Tons										
48 = 48,000 BTUH = 4 Tons										
60 = 60,000 BTUH = 5 Tons					NOMINAL COOLING BTUH					
000 = N/A										
040 = 40,000										
060 = 60,000										
090 = 90,000										
115 = 115,000										
120 = 120,000										
130 = 130,000					NOMINAL HEATING BTUH (input)*					
K = 208/230-1-60										
H = 208/230-3-60										
L = 460-3-60							VOLTAGE			
00 = No Options										
GS = Stainless-Steel Heat Exchanger *										
TP = Tin Plated Evap Main Tubes**										
GP = Tin Plated Evap Main Tubes plus Stainless Steel Heat Exchanger *										FACTORY INSTALLED OPTIONS
0 = Standard										
1 = Low NOx *										FEATURE CODE
Sales Model Digit										

* Gas/electric or Dual Fuel models only

MODEL NOMENCLATURE

MODEL NOMENCLATURE										
	1	2	3,4	5,6	7,8,9	10	11,12	13	14	15
MODEL SERIES	P	G	R5	36	090	K	00	0	C	1
P = Package										
A = Air Conditioner										
H = Heat Pump										
G = Gas/Electric										
D = Dual Fuel										
TYPE										
R5 = Mainline										
TIER										
24 = 24,000 BTUH = 2 Tons										
36 = 36,000 BTUH = 3 Tons										
48 = 48,000 BTUH = 4 Tons										
60 = 60,000 BTUH = 5 Tons										
NOMINAL CLG CAPACITY										
000 = no factory heat										
040 = 40,000 BTU/hr										
060 = 60,000 BTU/hr										
090 = 90,000 BTU/hr										
115 = 115,000 BTU/hr										
130 = 130,000 BTU/hr										
NOMINAL HTG BTUH (input)										
K = 208/230-1-60										
H = 208/230-3-60										
VOLTAGE										
GP = Tin Coated Copper Evap Main Tubes plus Stainless Steel Heat Exchanger										
GS = Stainless Steel Heat Exchanger										
FACTORY INSTALLED OPTIONS										
0 = Standard										
1 = Low NOx										
FEATURE CODE										
Sales Model Digit										
Engineering Digit										

MODEL NOMENCLATURE										
	1	2	3,4	5,6	7,8,9	10	11,12	13	14	15
MODEL SERIES	P	A	R5	36	000	K	00	0	C	1
P = Package										
A = Air Conditioner										
H = Heat Pump										
R5 = Standard										
TIER										
24 = 24,000 BTUH = 2 Tons										
36 = 36,000 BTUH = 3 Tons										
48 = 48,000 BTUH = 4 Tons										
60 = 60,000 BTUH = 5 Tons										
NOMINAL CLG CAPACITY										
000 = no factory heat										
NOMINAL HTG BTUH (input)										
K = 208/230-1-60										
H = 208/230-3-60										
VOLTAGE										
00 = No options										
TP – Tin Plated Evaporator Main Tubes										
FACTORY INSTALLED OPTIONS										
0 = Standard										
FEATURE CODE										
Sales Model Digit										
Engineering Digit										

UNIT MODEL NUMBER IDENTIFICATION GUIDE												
Digit Position:	1,2	3,4,5	6	7	8	9	10	11	12	13	14,15	16
Example Part Number:	HB	024	V	T	L	C	D	C	C	1	XX	1
HB = Geothermal Package MODEL 018 = 18,000 BTUH = 1.5 tons 024 = 24,000 BTUH = 2 tons 030 = 30,000 BTUH = 2.5 tons 036 = 36,000 BTUH = 3 tons 042 = 42,000 BTUH = 3.5 tons 048 = 48,000 BTUH = 4 tons 060 = 60,000 BTUH = 5 tons <p style="text-align: right;">NOMINAL CAPACITY</p>												
V = Vertical H = Horizontal <p style="text-align: right;">CABINET CONFIGURATION</p>												
T = Top (vertical) E = End (Horizontal) S = Side (horizontal) <p style="text-align: right;">DISCHARGE AIR CONFIGURATION</p>												
L = Left R = Right <p style="text-align: right;">RETURN AIR CONFIGURATION</p>												
C = Copper (source) N = Cupronickel (source) <p style="text-align: right;">COAX OPTIONS</p>												
D = with Desuperheater X = without Desuperheater <p style="text-align: right;">HOT WATER OPTION</p>												
C = Constant Torque X-13 <p style="text-align: right;">FAN/MOTOR OPTIONS</p>												
C = Coated fins, Tin Plated Hair Pins <p style="text-align: right;">AIR COIL COATING</p>												
1 = 208-230/60/1 <p style="text-align: right;">VOLTAGE</p>												
XX <p style="text-align: right;">FUTURE USE</p>												
<p style="text-align: right;">ENGINEERING DIGIT</p>												

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)												
Digit Position:	1,2	3,4,5	6	7	8	9	10	11	12	13	14,15	16
Example Part Number:	HP	024	V	T	L	C	D	E	T	1	XX	1
HP = Geothermal Package MODEL												
024 = 24,000 BTUH = 2 tons 036 = 36,000 BTUH = 3 tons 048 = 48,000 BTUH = 4 tons 060 = 60,000 BTUH = 5 tons 072 = 72,000 BTUH = 6.5 tons <p style="text-align: center;">NOMINAL CAPACITY</p>												
V = Vertical H = Horizontal C = Counterflow <p style="text-align: center;">CABINET CONFIGURATION</p>												
T = Top (vertical) B = Bottom (vertical) E = End (Horizontal) S = Side (horizontal) <p style="text-align: center;">DISCHARGE AIR CONFIGURATION</p>												
L = Left R = Right <p style="text-align: center;">RETURN AIR CONFIGURATION</p>												
C = Copper (source) N = Cupronickel (source) <p style="text-align: center;">COAX OPTIONS</p>												
D = with Desuperheater X = without Desuperheater <p style="text-align: center;">HOT WATER OPTION</p>												
E = ECM <p style="text-align: center;">FAN/MOTOR OPTIONS</p>												
T = Tin Plated Hair Pins <p style="text-align: center;">AIR COIL COATING</p>												
1 = 208-230/60/1 <p style="text-align: center;">VOLTAGE</p>												
XX <p style="text-align: center;">FUTURE USE</p>												
<p style="text-align: center;">ENGINEERING DIGIT</p>												

UNIT MODEL NUMBER IDENTIFICATION GUIDE												
Digit Position:	1,2	3,4,5	6	7	8	9	10	11	12	13	14,15	16
Example Part Number:	HS	024	S	X	X	C	D	X	X	1	XX	1
HS = Geothermal Split MODEL												
024 = 24,000 BTUH = 2 tons 036 = 36,000 BTUH = 3 tons 048 = 48,000 BTUH = 4 tons 060 = 60,000 BTUH = 5 tons NOMINAL CAPACITY												
S = Split System CABINET CONFIGURATION												
X = None (split or water-to-water) DISCHARGE AIR CONFIGURATION												
X = None (split or water-to-water) RETURN AIR CONFIGURATION												
C = Copper (source) N = Cupronickel (source) COAX OPTIONS												
D = with Desuperheater X = without Desuperheater HOT WATER OPTION												
X = None FAN/MOTOR OPTIONS												
X = No air coil AIR COIL COATING												
1 = 208-230/60/1										VOLTAGE		
XX											FUTURE USE	
ENGINEERING DIGIT												

UNIT MODEL NUMBER IDENTIFICATION GUIDE

Digit Position:	1,2	3,4,5	6	7	8	9	10	11	12	13	14,15	16
Example Part Number:	HW	024	W	X	X	D	D	X	X	1	XX	1
HW = Geothermal Water to Water MODEL												
024 = 24,000 BTUH = 2 tons 036 = 36,000 BTUH = 3 tons 048 = 48,000 BTUH = 4 tons 060 = 60,000 BTUH = 5 tons 072 = 72,000 BTUH = 6 tons NOMINAL CAPACITY												
W = Water-to-Water CABINET CONFIGURATION												
X = None (split or water-to-water) DISCHARGE AIR CONFIGURATION												
X = None (split or water-to-water) RETURN AIR CONFIGURATION												
D = Copper (source & load) E = Cupronickel (source & load) F = Copper (source), Cupronickel (load) G = Cupronickel (source), Copper (load) COAX OPTIONS												
D = with Desuperheater X = without Desuperheater HOT WATER OPTION												
X = None FAN/MOTOR OPTIONS												
X = No air coil AIR COIL COATING												
										1 = 208-230/60/1 VOLTAGE		
										XX FUTURE USE		
												ENGINEERING DIGIT

NOTES

RESIDENTIAL COOLING

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

**2 THRU 5 TONS SPLIT SYSTEM
208 / 230 VOLT, 1-PHASE, 60 HZ**

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil



(Sold Separately)

PERFORMANCE

- Up to 13.0 EER
- Integrated inverter control enables 5-stage operation with Observer control Observer Wall Control with version 5.0 or newer software required Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Qualifying models only

This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified™ Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CVA924GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	128/150 (58/68)	
CVA925GKA†	2	24,000	23.6	40	38-1/2 x 23-1/8 (980 x 587)	152/177 (69/80)	
CVA936GKA	3	36,000	24.2	40		152/177 (69/80)	
CVA937GKA†	3	36,000	26.0	40	38-15/16 x 31-3/16 (989 x 792)	205/242 (93/110)	
CVA948GKA	4	48,000	27.3	40		205/242 (93/110)	
CVA949GKA†	4	48,000	26.0	40	43-11/16 x 35 (1111 x 889)	249/285 (113/129)	
CVA960GKA	5	60,000	40.0	60	42-5/16 x 31-3/16 (1075 x 792)	229/268 (104/121)	

† = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

**2 THRU 5 TONS SPLIT SYSTEM
208 / 230 VOLT, 1-PHASE, 60 HZ**

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil



(Sold Separately)

PERFORMANCE

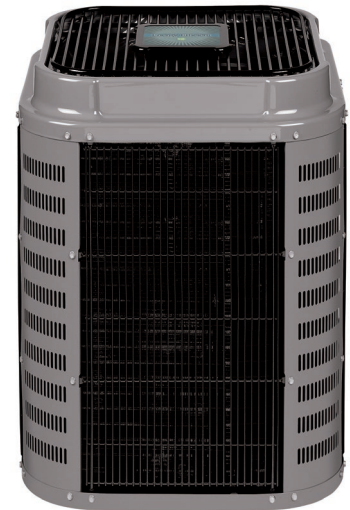
- Up to 13.0 EER
- Integrated inverter control enables 5-stage operation with Observer control Observer Wall Control with version 5.0 or newer software required Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Qualifying models only

This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HVA924GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	128/150 (58/68)	
HVA925GKA†	2	24,000	23.6	40	38-1/2 x 23-1/8 (980 x 587)	152/177 (69/80)	
HVA936GKA	3	36,000	24.2	40		152/177 (69/80)	
HVA937GKA†	3	36,000	26.0	40	38-15/16 x 31-3/16 (989 x 792)	205/242 (93/110)	
HVA948GKA	4	48,000	27.3	40		205/242 (93/110)	
HVA949GKA†	4	48,000	26.0	40	43-11/16 x 35 (1111 x 889)	249/285 (113/129)	
HVA960GKA	5	60,000	40.0	60	42-5/16 x 31-3/16 (1075 x 792)	229/268 (104/121)	

† = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

**2 THRU 5 TONS SPLIT SYSTEM
208 / 230 VOLT, 1-PHASE, 60 HZ**

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil



(Sold Separately)



PERFORMANCE

- Up to 13.0 EER
- Integrated inverter control enables 5-stage operation with Observer control Observer Wall Control with version 5.0 or newer software required Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Qualifying models only

This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TVA924GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	128/150 (58/68)	
TVA925GKA†	2	24,000	23.6	40	38-1/2 x 23-1/8 (980 x 587)	152/177 (69/80)	
TVA936GKA	3	36,000	24.2	40		152/177 (69/80)	
TVA937GKA†	3	36,000	26.0	40	38-15/16 x 31-3/16 (989 x 792)	205/242 (93/110)	
TVA948GKA	4	48,000	27.3	40		205/242 (93/110)	
TVA949GKA†	4	48,000	26.0	40	43-11/16 x 35 (1111 x 889)	249/285 (113/129)	
TVA960GKA	5	60,000	40.0	60	42-5/16 x 31-3/16 (1075 x 792)	229/268 (104/121)	

† = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 17 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CCA724GKA1	2	24,000	13.60	20	38-13/16x31-3/16x31-3/16 (986x792x792)	245/212 (111/96)	
CCA724GKA2	2	24,000	14.50	20	35-7/16x31-3/16x31-3/16 (900x792x792)	222/183 (101/83)	
CCA736GKA1	3	36,000	22.10	35	38-13/16x31-3/16x31-3/16 (986x792x792)	279/245 (127/111)	
CCA736GKA2	3	36,000	19.80	35	35-7/16x31-3/16x31-3/16 (900x792x792)	256/217 (116/98)	
CCA748GKA1	4	48,000	27.70	40	40-1/8x35x35 (1019x889x889)	325/280 (148/128)	
CCA748GKA2	4	48,000	27.80	40	40-1/8x35x35 (1019x889x889)	326/283 (148/128)	
CCA760GKA1	5	60,000	30.10	50	47-7/8x35x35 (1191x889x889)	372/331 (170/150)	
CCA760GKA2	5	60,000	37.30	60	40-1/8x35x35 (1019x889x889)	327/284 (148/129)	

HIGH EFFICIENCY UP TO 17 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HCA724GKA1	2	24,000	13.60	20	38-13/16x31-3/16x31-3/16 (986x792x792)	245/212 (111/96)	
HCA724GKA2	2	24,000	14.50	20	35-7/16x31-3/16x31-3/16 (900x792x792)	222/183 (101/83)	
HCA736GKA1	3	36,000	22.10	35	38-13/16x31-3/16x31-3/16 (986x792x792)	279/245 (127/111)	
HCA736GKA2	3	36,000	19.80	35	35-7/16x31-3/16x31-3/16 (900x792x792)	256/217 (116/98)	
HCA748GKA1	4	48,000	27.70	40	40-1/8x35x35 (1019x889x889)	325/280 (148/128)	
HCA748GKA2	4	48,000	27.80	40	40-1/8x35x35 (1019x889x889)	326/283 (148/128)	
HCA760GKA1	5	60,000	30.10	50	47-7/8x35x35 (1191x889x889)	372/331 (170/150)	
HCA760GKA2	5	60,000	37.30	60	40-1/8x35x35 (1019x889x889)	327/284 (148/129)	

HIGH EFFICIENCY UP TO 17 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control

- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TCA724GKA1	2	24,000	13.60	20	38-13/16x31-3/16x31-3/16 (986x792x792)	245/212 (111/96)	
TCA724GKA2	2	24,000	14.50	20	35-7/16x31-3/16x31-3/16 (900x792x792)	222/183 (101/83)	
TCA736GKA1	3	36,000	22.10	35	38-13/16x31-3/16x31-3/16 (986x792x792)	279/245 (127/111)	
TCA736GKA2	3	36,000	19.80	35	35-7/16x31-3/16x31-3/16 (900x792x792)	256/217 (116/98)	
TCA748GKA1	4	48,000	27.70	40	40-1/8x35x35 (1019x889x889)	325/280 (148/128)	
TCA748GKA2	4	48,000	27.80	40	40-1/8x35x35 (1019x889x889)	326/283 (148/128)	
TCA760GKA1	5	60,000	30.10	50	47-7/8x35x35 (1191x889x889)	372/331 (170/150)	
TCA760GKA2	5	60,000	37.30	60	40-1/8x35x35 (1019x889x889)	327/284 (148/129)	

UP TO 16 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 1½ THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control

- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CSA618GKA	1½	18,000	11.8	20	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	213 / 176 (96 / 80)	
CSA624GKA	2	24,000	17.6	25	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	212 / 176 (96 / 80)	
CSA630GKA	2½	30,000	16.7	25	32 x 31-3/16 x 31-3/16 (813 x 792 x 792)	223 / 187 (101 / 85)	
CSA636GKA	3	36,000	18.1	30	29-7/8 x 35 x 35 (760 x 889 x 889)	243 / 200 (110 / 91)	
CSA642GKA	3½	42,000	23.6	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	297 / 253 (135 / 115)	
CSA648GKA	4	48,000	26.1	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	340 / 295 (155 / 114)	
CSA660GKA	5	60,000	28	40	46-7/8 x 35 x 35 (1191 x 889 x 889)	374 / 327 (169 / 148)	

**UP TO 16 SEER SINGLE STAGE AIR CONDITIONER
WITH OBSERVER® COMMUNICATING CONTROL SYSTEM
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz**

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HSA618GKA	1½	18,000	11.8	20	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	213 / 176 (96 / 80)	
HSA624GKA	2	24,000	17.6	25	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	212 / 176 (96 / 80)	
HSA630GKA	2½	30,000	16.7	25	32 x 31-3/16 x 31-3/16 (813 x 792 x 792)	223 / 187 (101 / 85)	
HSA636GKA	3	36,000	18.1	30	29-7/8 x 35 x 35 (760 x 889 x 889)	243 / 200 (110 / 91)	
HSA642GKA	3½	42,000	23.6	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	297 / 253 (135 / 115)	
HSA648GKA	4	48,000	26.1	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	340 / 295 (155 / 114)	
HSA660GKA	5	60,000	28	40	46-7/8 x 35 x 35 (1191 x 889 x 889)	374 / 327 (169 / 148)	

UP TO 16 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TSA618GKA	1½	18,000	11.8	20	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	213 / 176 (96 / 80)	
TSA624GKA	2	24,000	17.6	25	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	212 / 176 (96 / 80)	
TSA630GKA	2½	30,000	16.7	25	32 x 31-3/16 x 31-3/16 (813 x 792 x 792)	223 / 187 (101 / 85)	
TSA636GKA	3	36,000	18.1	30	29-7/8 x 35 x 35 (760 x 889 x 889)	243 / 200 (110 / 91)	
TSA642GKA	3½	42,000	23.6	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	297 / 253 (135 / 115)	
TSA648GKA	4	48,000	26.1	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	340 / 295 (155 / 114)	
TSA660GKA	5	60,000	28	40	46-7/8 x 35 x 35 (1191 x 889 x 889)	374 / 327 (169 / 148)	

14 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® Wall Control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy Access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CSA518GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
CSA524GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
CSA530GKA	2½	30,000	16.8	25	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	199 / 135 (90 / 75)	
CSA536GKA	3	36,000	18.1	30	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902)	211 / 177 (96 / 80)	
CSA542GKA	3½	42,000	22.3	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	237 / 203 (108 / 92)	
CSA548GKA	4	48,000	20.8	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	238 / 204 (108 / 93)	
CSA560GKA	5	60,000	27.5	40	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	257 / 225 (117 / 102)	

14 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® Wall Control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HSA518GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
HSA524GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
HSA530GKA	2½	30,000	16.8	25	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	199 / 135 (90 / 75)	
HSA536GKA	3	36,000	18.1	30	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902)	211 / 177 (96 / 80)	
HSA542GKA	3½	42,000	22.3	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	237 / 203 (108 / 92)	
HSA548GKA	4	48,000	20.8	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	238 / 204 (108 / 93)	
HSA560GKA	5	60,000	27.5	40	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	257 / 225 (117 / 102)	

14 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® Wall Control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy Access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TSA518GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
TSA524GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	213 / 176 (97 / 80)	
TSA530GKA	2½	30,000	16.8	25	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	199 / 135 (90 / 75)	
TSA536GKA	3	36,000	18.1	30	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902)	211 / 177 (96 / 80)	
TSA542GKA	3½	42,000	22.3	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	237 / 203 (108 / 92)	
TSA548GKA	4	48,000	20.8	35	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	238 / 204 (108 / 93)	
TSA560GKA	5	60,000	27.5	40	31-3/16 x 31-3/16 x 32-1/8 (792.5 x 792.5 x 815.6)	257 / 225 (117 / 102)	

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- 2-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner Posts for extra strength and style



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
C4A318GKF	1½	18,000	11.8	20	25-5/16 x 23-1/8 x 23-1/8 (643 x 587 x 587)	143 / 117 (65 / 53)	
C4A324GKF	2	24,000	17.6	25	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	213 / 176 (97 / 80)	
C4A330GKF	2½	30,000	16.8	25	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	199 / 165 (90 / 75)	
C4A336GKN	3	36,000	21.9	35	25-5/16 x 31-3/16 x 31-3/16 (643 x 793 x 793)	196 / 160 (89 / 73)	
C4A342GKN	3½	42,000	23.5	40	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	230 / 195 (104 / 89)	
C4A348GKN	4	48,000	26.0	40	35-1/2 x 31-3/16 x 31-3/16 (902 x 793 x 793)	243 / 203 (110 / 92)	
C4A360GKN	5	60,000	34.2	50	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	250 / 215 (113 / 98)	

EFFICIENT 13 SEER AIR CONDITIONER
ENVIRONMENTALLY BALANCED R-410A REFRIGERANT
2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll™ compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- 2-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
H4A318GKF	1½	18,000	11.8	20	25-3/16 x 23-1/8 x 23-1/8 (640 x 587 x 587)	143 / 117 (65 / 53)	
H4A324GKF	2	24,000	17.6	25	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	213 / 176 (97 / 80)	
H4A330GKF	2½	30,000	16.8	25	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	199 / 165 (90 / 75)	
H4A336GKN	3	36,000	21.9	35	25-3/16 x 31-3/16 x 31-3/16 (640 x 793 x 793)	196 / 160 (89 / 73)	
H4A342GKN	3½	42,000	23.5	40	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	230 / 195 (104 / 89)	
H4A348GKN	4	48,000	26.0	40	35-1/2 x 31-3/16 x 31-3/16 (902 x 793 x 793)	243 / 203 (110 / 92)	
H4A360GKN	5	60,000	34.2	50	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	250 / 215 (113 / 98)	

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- 2-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
T4A318GKF	1½	18,000	11.8	20	25-5/16 x 23-1/8 x 23-1/8 (643 x 587 x 587)	143 / 117 (65 / 53)	
T4A324GKF	2	24,000	17.6	25	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	213 / 176 (97 / 80)	
T4A330GKF	2½	30,000	16.8	25	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	199 / 165 (90 / 75)	
T4A336GKN	3	36,000	21.9	35	25-5/16 x 31-3/16 x 31-3/16 (643 x 793 x 793)	196 / 160 (89 / 73)	
T4A342GKN	3½	42,000	23.5	40	32-1/8 x 31-3/16 x 31-3/16 (816 x 793 x 793)	230 / 195 (104 / 88)	
T4A348GKN	4	48,000	26.0	40	35-1/2 x 31-3/16 x 31-3/16 (902 x 793 x 793)	243 / 203 (110 / 92)	
T4A360GKN	5	60,000	34.2	50	28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793)	250 / 215 (113 / 98)	

EFFICIENT UP TO 17 SEER/12-12.5 EER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- 2-stage scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
N4A724GKA	2	24,000	14.5	25	31-3/16 x 31-3/16 x 32-1/2 (792 x 792 x 901)	206/167 (93/76)	
N4A736GKA	3	36,000	19.8	30	31-3/16 x 31-3/16 x 32-1/2 (792 x 792 x 901)	230/191 (104/87)	
N4A748GKA	4	48,000	27.8	40	35 x 35 x 38-7/8 (889 x 889 x 988)	295/253 (134/115)	
N4A760GKA	5	60,000	37.3	60	35 x 35 x 38-7/8 (889 x 889 x 988)	299/258 (136/117)	

HIGH EFFICIENCY UP TO 16 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil
- 48 and 60 models for higher SEER, lower capacity
- 49 and 61 models for higher capacity, lower SEER

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA						
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
NXA618GKA	1½	18,000	11.8	20	28-11/16 x 25-3/4 x 25-3/4 (729 x 654 x 654)	154 / 125 (70 / 57)
NXA624GKA	2	24,000	17.7	30	28-5/16 x 31-3/16 x 31-3/16 (719 x 792 x 792)	147 / 183 (83 / 67)
NXA630GKA	2½	30,000	16.8	25	32-5/16 x 31-3/16 x 31-3/16 (821 x 792 x 792)	188 / 153 (85 / 69)
NXA636GKA	3	36,000	18.1	30	28-5/16 x 35 x 35 (719 x 889 x 889)	204 / 165 (93 / 75)
NXA642GKA	3½	42,000	23.6	40	39-1/8 x 35 x 35 (994 x 889 x 889)	254 / 213 (115 / 96)
NXA648GKA	4	48,000	26.1	40	39-1/8 x 35 x 35 (994 x 889 x 889)	317 / 264 (144 / 120)
NXA660GKA	5	60,000	28	40	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)

EFFICIENT UP TO 16.5 SEER/12.2-13.0 EER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
N4A618GKA	1½	18,000	11.7	20	25-3/4 x 25-3/4 x 25 (654 x 654 x 635)	145/122 (66/55)	
N4A624GKA	2	24,000	14.4	25	25-3/4 x 25-3/4 x 32-5/16 (654 x 654 x 821)	148/123 (67/56)	
N4A630GKA	2½	30,000	16.8	25	31-3/16 x 31-13/16 x 39-1/8 (792 x 792 x 994)	201/164 (74/91)	
N4A636GKA	3	36,000	18.2	30	35 x 35 x 28-5/16 (889 x 889 x 719)	204/165 (75/93)	
N4A642GKA	3½	42,000	21.8	35	35 x 35 x 28-5/16 (889 x 889 x 719)	247/210 (95/112)	
N4A648GKA	4	48,000	26.1	40	35 x 35 x 39-1/8 (889 x 889 x 993)	317/264 (144/120)	
N4A660GKA	5	60,000	28	40	35 x 35 x 45-15/16 (889 x 889 x 167)	310/272 (141/123)	

EFFICIENT 14 SEER AIR CONDITIONER
ENVIRONMENTALLY SOUND R-410A REFRIGERANT
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions width x depth x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
NXA418GKC	1½	18,000	11.7	20	23-1/8 x 23-1/8 x 24-13/16 (587 x 587 x 630)	134/123 (61/56)	
NXA424GKC	2	24,000	14.1	20	25-3/4 x 25-3/4 x 25 (654 x 654 x 635)	140/119 (84/54)	
NXA430GKC	2½	30,000	16.8	25	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	186/151 (84/68)	
NXA436GKC	3	36,000	18.7	30	31-3/16 x 31-3/16 x 24-13/16 (792 x 792 x 630)	151/134 (87/68)	
NXA442GKC	3½	42,000	22.3	35	31-3/16 x 31-3/16 x 39-1/8 (792 x 792 x 994)	232/192 (105/87)	
NXA448GKC	4	48,000	20.9	35	31-3/16 x 31-3/16 x 28-7/19 (792 x 792 x 722)	200/182 (91/82)	
NXA460GKC	5	60,000	27.5	40	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	218/197 (99/89)	

EFFICIENT 14 SEER/11.7-12.2 EER AIR CONDITIONER
ENVIRONMENTALLY SOUND R-410A REFRIGERANT
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz



REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions Depth x Width x Height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
N4A518GKC	1½	18,000	11.7	20	25-3/4 x 25-3/4 x 25 (654 x 654 x 635)	145/122 (66/55)	
N4A524GKC	2	24,000	14.1	20	25-3/4 x 25-3/4 x 32-5/16 (654 x 654 x 821)	148/123 (67/56)	
N4A530GKC	2½	30,000	16.8	25	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	186/151 (84/69)	
N4A536GKC	3	36,000	18.1	30	31-3/16 x 31-3/16 x 35-3/16 (792 x 792 x 894)	171/151 (78/69)	
N4A542GKC	3½	42,000	22.3	35	31-3/16 x 28-7/16 x 28-7/16 (792 x 722 x 722)	226/191 (103/87)	
N4A548GKC	4	48,000	20.9	35	31-3/16 x 31-3/16 x 28-7/16 (792 x 792 x 722)	200/182 (91/83)	
N4A560GKC	5	60,000	27.5	40	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	218/197 (99/89)	

COASTAL 14 SEER AIR CONDITIONER
R-410A REFRIGERANT
 1½ THRU 5 TONS SPLIT SYSTEM
 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier included for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish on all sides
- Corrosion protection epoxy phenolic coated aluminum fins
- Coated, weather-resistant cabinet screws
- Coastal coated inlet grill with 3/8" (10mm) grill spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
N4A418CKA	1½	18,000	11.7	20	28-7/16 x 23-1/8 x 23-1/8 (722 x 587 x 587)	111/133 (50/60)	
N4A424CKA	2	24,000	14.1	25	28-7/16 x 31-3/16 x 31-3/16 (722 x 792 x 792)	136/170 (62/77)	
N4A430CKA	2½	30,000	16.8	25	24-13/16 x 31-3/16 x 31-3/16 (630 x 792 x 792)	152/183 (69/83)	
N4A436CKA	3	36,000	17.8	30	24-13/16 x 31-3/16 x 31-3/16 (630 x 792 x 792)	155/186 (70/84)	
N4A442CKA	3½	42,000	22.3	35	28-7/16 x 31-3/16 x 31-3/16 (722 x 792 x 792)	189/220 (86/100)	
N4A448CKA	4	48,000	24.5	40	35-3/4 x 31-3/16 x 31-3/16 (908 x 792 x 792)	199/233 (90/106)	
N4A460CKA	5	60,000	31.7	50	39-1/8 x 35 x 35 (993 x 889 x 889)	248/289 (113/131)	

14 SEER HORIZONTAL DISCHARGE AIR CONDITIONER FOR USE WITH DUCTED INDOOR UNITS ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ thru 5 Tons, 208/230 Volt, 1-Phase

3 thru 5 Tons, 208/230 Volt, 3-Phase

3 thru 5 Tons, 460 Volt, 3-Phase

REFRIGERATION CIRCUIT

14 SEER/11.7 - 12.2 EER

- Scroll compressors on all models
- Factory-supplied filter-drier
- High and Low pressure switches
- Line lengths up to 250 feet (76.2m)

EASY TO INSTALL AND SERVICE

- Small footprint
- Easy access service valves on all models
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Low ambient operation (down to 0°F/-17.8°C)
- Ball-Bearing Fan Motor



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Operating/Ship Weight lbs. (kg)	Notes
208/230-1-60							
NH4A418AKA	1½	18,000	11.80	20	31-1/8 x 36-15/16 x 14-9/16 (790 x 938 x 370)	146/166(66/75)	
NH4A424AKA	2	24,000	14.10	25	31-1/8 x 36-15/16 x 14-9/16 (790 x 938 x 370)	148/168(67/76)	
NH4A430AKA	2½	30,000	18.30	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	183/213(83/97)	
NH4A436AKA	3	36,000	18.80	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214(84/97)	
NH4A448AKA	4	48,000	24.30	40	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243(97/110)	
NH4A460AKA	5	60,000	31.10	50	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275(111/125)	
208/230-3-60							
NH4A436AHA	3	36,000	12.50	20	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214(84/97)	
NH4A448AHA	4	48,000	18.30	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243(97/110)	
NH4A460AHA	5	60,000	21.40	35	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275(111/125)	
460-3-60							
NH4A436ALA	3	36,000	7.60	15	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214(84/97)	
NH4A448ALA	4	48,000	8.40	15	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243(97/110)	
NH4A460ALA	5	60,000	9.70	15	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275(111/125)	

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width/depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
N4A318AKF	1½	18,000	11.8	20	25-5/16 x 23-1/8 (643 x 587)	130 / 107 (59 / 49)	
N4A318GKF	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A324AKG	2	24,000	14.3	25	25-5/16 x 23-1/8 (643 x 587)	127 / 107 (58 / 49)	
N4A324GKG	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A330AKG	2½	30,000	16.6	25	28-11/16 x 25-3/4 (729 x 654)	149 / 126 (68 / 57)	
N4A330GKG	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A336AKF	3	36,000	18.1	30	25-5/16 x 31-3/16 (642 x 792)	151 / 134 (68 / 61)	
N4A336GKF	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A342AKN	3½	42,000	23.5	40	32-5/16 x 31-3/16 (821 x 792)	218 / 190 (99 / 86)	
N4A342GKN	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A348AKG	4	48,000	24.3	40	35-1/2 x 31-3/16 (901 x 792)	205 / 175 (93 / 79)	
N4A348GKG	same model with 3/8" (10mm) spacing grille (hail guard)						
N4A360AKN	5	60,000	29.0	50	28-11/16 x 31-3/16 (729 x 792)	232 / 199 (106 / 91)	
N4A360GKN	same model with 3/8" (10mm) spacing grille (hail guard)						

R4A5

EFFICIENT 14 SEER/11.7-12.2 EER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing or with 3/8" (10mm) spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions length/width(sq.) x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
R4A518*KB	1½	18,000	11.7	20	25-3/4 x 25-5/16 (654 x 642)	145/122 (66/55)	
R4A524*KB	2	24,000	14.1	20	25-3/4 x 32-1/16 (654 x 815)	148/123 (67/56)	
R4A530*KB	2½	30,000	16.8	25	31-3/16 x 31-11/16 (792 x 804)	186/151 (84/69)	
R4A536*KB	3	36,000	18.1	30	31-3/16 x 35-1/16 (792 x 891)	171/151 (78/69)	
R4A542*KB	3½	42,000	22.3	35	31-3/16 x 28-1/4 (792 x 718)	226/191 (103/87)	
R4A548*KB	4	48,000	20.9	35	31-3/16 x 28-1/4 (792 x 718)	200/182 (91/83)	
R4A560*KB	5	60,000	27.5	40	31-3/16 x 31-11/16 (792 x 804)	218/197 (99/89)	

- * A = 2" (51mm) spacing inlet grille
- C = Coastal condensing coil
- G = 3/8" (10mm) spacing inlet grille

EFFICIENT 14 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing or with 3/8" (10mm) spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions length/width(sq.) x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
R4A418AKB	1-1/2	18,000	11.7	20	23-1/8 x 24-7/8 (587 x 632)	134/123 (61/56)	
R4A418GKB							
R4A424AKB	2	24,000	14.1	20	25-3/4 x 25-5/16 (654 x 642)	140/119 (84/54)	
R4A424GKB							
R4A430AKB	2-1/2	30,000	16.8	25	31-3/16 x 31-11/16 (792 x 804)	186/151 (84/68)	
R4A430GKB							
R4A436AKB	3	36,000	18.1	30	31-3/16 x 24-7/8 (792 x 632)	151/134 (68/87)	
R4A436GKB							
R4A442AKB	3-1/2	42,000	22.3	35	31-3/16 x 38-7/16 (792 x 977)	232/192 (105/87)	
R4A442GKB							
R4A448AKB	4	48,000	20.8	35	31-3/16 x 28-1/4 (792 x 718)	200/182 (91/82)	
R4A448GKB							
R4A460AKB	5	60,000	27.5	40	31-3/16 x 31-11/16 (792 x 804)	218/197 (99/89)	
R4A460GKB							

A = 2" (51mm) spacing inlet grille
G = 3/8" (10mm) spacing inlet grille

EFFICIENT 13 SEER AIR CONDITIONER
ENVIRONMENTALLY BALANCED R-410A REFRIGERANT
2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



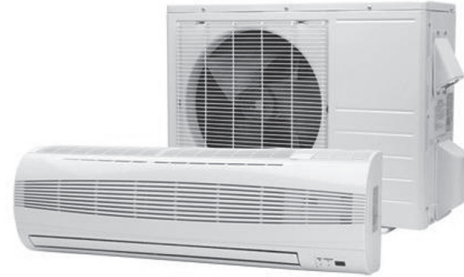
UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
R4A318AKH	1½	18,000	11.8	20	24-7/8 x 23-1/8 x 23-1/8 (630 x 587 x 587)	124 / 108 (56 / 49)	
R4A318GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A324AKH	2	24,000	14.3	25	24-7/8 x 23-1/8 x 23-1/8 (630 x 587 x 587)	127 / 107 (58 / 49)	
R4A324GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A330AKH	2½	30,000	16.6	25	28-11/16 x 25-3/4 x 25-3/4 (729 x 654 x 654)	149 / 126 (68 / 57)	
R4A330GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A336AKH	3	36,000	18.1	30	24-7/8 x 31-3/16 x 31-3/16 (630 x 792 x 792)	151 / 134 (68 / 61)	
R4A336GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A342AKH	3½	42,000	23.5	40	31-11/16 x 31-3/16 x 31-3/16 (804 x 792 x 792)	186 / 172 (85 / 78)	
R4A342GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A348AKH	4	48,000	24.3	40	35-1/16 x 31-3/16 x 31-3/16 (891 x 792 x 792)	205 / 175 (93 / 79)	
R4A348GKH	same model with 3/8" (10mm) spacing grille (hail guard)						
R4A360AKH	5	60,000	34.4	50	28-1/4 x 31-3/16 x 31-3/16 (718 x 792 x 792)	218 / 203 (99 / 92)	
R4A360GKH	same model with 3/8" (10mm) spacing grille (hail guard)						

**DFC4(A/H)3 – Outdoor
DFF4(A/H)H – Indoor**

**DUCT FREE SPLIT SYSTEM
HIGH WALL**

**Efficient 13 SEER Air Conditioners and 7.7 HSPF Heat Pumps
3/4 THRU 2 TONS**

- Rotary compressors in all models
- Wireless remote for enhanced functionality
- Programmable time/temperature settings
- Sleep mode
- Diagnostics
- Low ambient cooling feature allows safe cooling mode operation down to -20° F outdoor ambient
- Auto-Swing louvers
- Compressor lockout protection
- 115 volt on 3/4 and 1 ton models
- Factory charged with R-410A refrigerant



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA				
Air Conditioners				
Model Number				
Outdoor Section	Indoor Section	Size (tons)	Dimensions W x H x D in. (mm)	Notes
DFC4A309J1B		3/4	30.71 x 21.26 x 10.87 (780 x 540 x 276)	
	DFF4AH09J1A	3/4	32.09 x 11.02 x 7.68 (815 x 280 x 195)	
DFC4A312J1B		1	29.92 x 23.23 x 11.42 (760 x 590 x 290)	
	DFF4AH12J1B	1	35.67 x 11.26 x 9.25 (906 x 286 x 235)	
DFC4A318K1B		1-1/2	33.07 x 27.36 x 13.19 (840 x 695 x 335)	
	DFF4AH18K1A	1-1/2	49.21 x 12.80 x 9.06 (1250 x 325 x 230)	
DFC4A324K1A		2	31.16 x 33.86 x 13.11 (893 x 860 x 333)	
	DFF4AH24K1A	2	49.21 x 12.80 x 9.06 (1250 x 325 x 230)	
Heat Pumps				
Model Number				
Outdoor Section	Indoor Section	Size (tons)	Dimensions W x H x D in. (mm)	Notes
DFC4H309J1B		3/4	30.71 x 21.26 x 10.87 (780 x 540 x 276)	
	DFF4HH09J1A	3/4	32.09 x 11.02 x 7.68 (815 x 280 x 195)	
DFC4H312J1B		1	29.92 x 23.23 x 11.42 (760 x 590 x 290)	
	DFF4HH12J1A	1	35.67 x 11.26 x 9.25 (906 x 286 x 235)	
DFC4H318K1A		1-1/2	33.07 x 27.36 x 13.19 (840 x 695 x 335)	
	DFF4HH18K1A	1-1/2	49.21 x 12.80 x 9.06 (1250 x 325 x 230)	
DFC4H324K1A		2	31.16 x 33.86 x 13.11 (893 x 860 x 333)	
	DFF4HH24K1A	2	49.21 x 12.80 x 9.06 (1250 x 325 x 230)	

DLCAHB - Outdoor DLFAHH - Indoor

HIGH-WALL SINGLE ZONE DUCTLESS SPLIT SYSTEM

Up to 30.5 SEER

Sizes 09-18, 3/4 - 1½ Tons

STANDARD FEATURES

- Variable Speed (Inverter) Two-Stage Compressor
- Modes: Cool, Heat, Dry, Fan, Auto
- 80% heating capacity at -22°F
- Auto louver mode
- 180° Vertical Air Supply
- X-Fan mode
- Dehumidifying mode
- 7 Fan Speeds
- Sleep mode
- Quiet operation
- 46°F Heating Mode (Heating Setback)
- I FEEL function

CONTROL FEATURES

- Wireless remote control (standard)



Heat Pump with factory installed base pan heater - Variable Speed System

Outdoor Model Number	Indoor Model Number	System Tons	System Btuh	Volt-Ph @ 60Hz	SEER	EER	HSPF	Notes
DLCAHB09K1A	DLFAHH09K1A	0.75	9,000	208/230-1	30.5	15.8	10.3	
DLCAHB12K1A	DLFAHH12K1A	1	12,000	208/230-1	23.0	12.8	10.3	
DLCAHB18K1A	DLFAHH18K1A	1.5	18,000	208/230-1	21.0	12.5	10.3	

Wireless remote control included with indoor unit. Wired Remote Control not available.

DLCCAR - Outdoor Cooling Only / DLCCHR Outdoor Heat Pump
DLFCAB - Indoor Cooling Only / DLFCHB Indoor Heat Pump
High-Wall Ductless Split System
Sizes 09-36

International Comfort Products, Lewisburg, TN 37091
 SUBJECT TO CHANGE WITHOUT NOTICE



HIGHWALL STANDARD FEATURES

- Variable Speed (Inverter)
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- X-Fan mode
- Dehumidifying mode
- 4 Fan Speeds
- Sleep mode
- Quiet operation
- 46°F Heating Mode (Heating Setback)
- I FEEL function

CONTROL FEATURES

- Wireless remote control (standard)
- Wired remote control (optional)

Cooling Only – Variable Speed System

System Tons	System Btuh	Volt-Ph @ 60Hz	SEER	EER		Indoor Model Number	Outdoor Model Number	Indoor Price	Outdoor Price	System Price
0.75	9,000	115-1	23	13.0		DLFCAB09J1A	DLCCAR09J1A			
1.00	12,000	115-1	22	13.0		DLFCAB12J1A	DLCCAR12J1A			
0.75	9,000	208/230-1	23	14.0		DLFCAB09K1A	DLCCAR09K1A			
1.00	12,000	208/230-1	22	13.0		DLFCAB12K1A	DLCCAR12K1A			
1.50	18,000	208/230-1	20	13.0		DLFCAB18K1A	DLCCAR18K1A			
1.83	22,000	208/230-1	20	13.3		DLFCAB24K1A	DLCCAR24K1A			
2.33	28,000	208/230-1	18	10.4		DLFCAB30K1A	DLCCAR30K1A			
2.80	33,600	208/230-1	18	8.2		DLFCAB36K1A	DLCCAR36K1A			

Wireless remote control included with indoor unit.

Heat Pump with factory installed base pan heater – Variable Speed System

System Tons	System Btuh	Volt-Ph @ 60Hz	SEER	EER	HSPF	Indoor Model Number	Outdoor Model Number	Indoor Price	Outdoor Price	System Price
0.75	9,000	115-1	23	12.9	10.5	DLFCHB09J1A	DLCCHR09J1A			
1.00	12,000	115-1	22	12.5	10.2	DLFCHB12J1A	DLCCHR12J1A			
0.75	9,000	208/230-1	23	14.3	10.5	DLFCHB09K1A	DLCCHR09K1A			
1.00	12,000	208/230-1	22	12.5	10.1	DLFCHB12K1A	DLCCHR12K1A			
1.50	18,000	208/230-1	20	12.5	10.0	DLFCHB18K1A	DLCCHR18K1A			
1.83	22,000	208/230-1	20	12.5	10.0	DLFCHB24K1A	DLCCHR24K1A			
2.33	28,000	208/230-1	18	10.4	9.0	DLFCHB30K1A	DLCCHR30K1A			
2.80	33,600	208/230-1	18	8.2	9.0	DLFCHB36K1A	DLCCHR36K1A			

Wireless remote control included with indoor unit.

Accessories

Ordering No.	Description	For Models	Price
KSACN0201AAA	Wired Remote Control	All Systems	

Specifications subject to change without notice.

DLCDAR - Outdoor Cooling Only / DLCDHR Outdoor Heat Pump
DLFDAB - Indoor Cooling Only / DLFDB Indoor Heat Pump
High-Wall Ductless Split System
Sizes 09-36

International Comfort Products, Lewisburg, TN 37091
 SUBJECT TO CHANGE WITHOUT NOTICE



HIGHWALL STANDARD FEATURES

- Variable Speed (Inverter)
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- X-Fan mode
- Dehumidifying mode
- 4 Fan Speeds
- Sleep mode
- Quiet operation
- 46°F Heating Mode (Heating Setback)
- I FEEL function

CONTROL FEATURES

- Wireless remote control (standard)
- Wired remote control (optional)

Cooling Only – Variable Speed System

System Tons	System Btuh	Volt-Ph @ 60Hz	SEER	EER		Indoor Model Number	Outdoor Model Number	Indoor Notes	Outdoor Notes	System Notes
0.75	9,000	115-1	16	9.6		DLFDAB09J1A	DLCDAR09J1A			
1.00	12,000	115-1	16	10.6		DLFDAB12J1A	DLCDAR12J1A			
0.75	9,000	208/230-1	16	10.0		DLFDAB09K1A	DLCDAR09K1A			
1.00	12,000	208/230-1	16	9.3		DLFDAB12K1A	DLCDAR12K1A			
1.50	18,000	208/230-1	16	10.0		DLFDAB18K1A	DLCDAR18K1A			
1.83	22,000	208/230-1	16	9.8		DLFDAB24K1A	DLCDAR24K1A			

Wireless remote control included with indoor unit.

Heat Pump with factory installed base pan heater – Variable Speed System

System Tons	System Btuh	Volt-Ph @ 60Hz	SEER	EER	HSPF	Indoor Model Number	Outdoor Model Number	Indoor Notes	Outdoor Notes	System Notes
0.75	9,000	115-1	16	9.6	9.0	DLFDHB09J1A	DLCDHR09J1A			
1.00	12,000	115-1	16	10.6	9.0	DLFDHB12J1A	DLCDHR12J1A			
0.75	9,000	208/230-1	16	10.0	9.0	DLFDHB09K1A	DLCDHR09K1A			
1.00	12,000	208/230-1	16	9.3	9.0	DLFDHB12K1A	DLCDHR12K1A			
1.50	18,000	208/230-1	16	9.0	9.0	DLFDHB18K1A	DLCDHR18K1A			
1.83	22,000	208/230-1	16	9.8	9.0	DLFDHB24K1A	DLCDHR24K1A			
2.33	28,000	208/230-1	18	10.4	8.2	DLFDHB30K1A	DLCDHR30K1A			
2.80	33,600	208/230-1	18	8.6	8.2	DLFDHB36K1A	DLCDHR36K1A			

Wireless remote control included with indoor unit.

Accessories

Ordering No.	Description	For Models	Notes
KSACN0201AAA	Wired Remote Control	All Systems	

Specifications subject to change without notice.

DLCBHR - Outdoor DLFAHH / DLFBHB / DLFBHC / DLFBHD / DLFBHF

MULTI-ZONE DUCTLESS SPLIT SYSTEM

Efficient Up to 22 SEER

Sizes 18-56, 1½ - 4½ Tons

STANDARD FEATURES

- Variable Speed (Inverter)
- Built-in base pan heater
- Quiet operation
- Connect up to 9 multiple style indoor units
 - High Wall (DLFAHH and DLFBHB)
 - Cassette (DLFBHC)
 - Ducted (DLFBHD)
 - Floor Console (DLFBHF)

CONTROL FEATURES

- Wireless Remote Controller included with each indoor unit.
- Wired Remote Controller included with each Ducted and Cassette indoor unit (Optional DLFBHB High Wall)



Outdoor Unit - Heat Pump with factory installed base pan heater – Variable Speed System

Outdoor Model Number	System Tons	System Btuh	Volt-Ph @ 60Hz	Min # of Indoor Units	Max # of Indoor Units	SEER	EER	HSPF	Notes
DLCBHR18K1A	1.5	18,000	208/230-1	2	2	22.0	10.9	9.0	
DLCBHR24K1A	2	24,000	208/230-1	2	3	20.5	10.2	11.0	
DLCBHR30K1A	2.5	30,000	208/230-1	2	4	21.0	12.0	10.2	
DLCBHR36K1A	3	36,000	208/230-1	2	4	21.0	12.1	10.2	
DLCBHR42K1A	3.5	42,000	208/230-1	2	5	21.0	10.4	10.2	
DLCBHR48K1A	4	48,000	208/230-1	2	8	16.0	9.5	8.2	
DLCBHR56K1A	4.67	56,000	208/230-1	2	9	16.0	9.4	8.2	

Note: All ports do not need to be used at time of the original installation. Future system expansion is possible.

Branch Box is required on sizes 48 and 56; sold separately.

High Wall DLFAHH Indoor Unit

Indoor Model Number	Unit Tons	Unit Btuh	Volt-Ph @60Hz	Noes
DLFAHH09K1A	0.75	9,000	208/230-1	
DLFAHH12K1A	1	12,000	208/230-1	
DLFAHH18K1A	1.5	18,000	208/230-1	

Note: Wireless remote controller included with each indoor unit. Wired Remote Control not available.

High Wall DLFBHB Indoor Unit

Indoor Model Number	Unit Tons	Unit Btuh	Volt-Ph @60Hz	Notes
DLFBHB09K1A	0.75	9,000	208/230-1	
DLFBHB12K1A	1	12,000	208/230-1	
DLFBHB18K1A	1.5	18,000	208/230-1	
DLFBHB24K1A	2	24,000	208/230-1	

Note: Wireless remote controller included with each indoor unit. Wired remote controller optional.

DLCBHR - Outdoor DLFAHH / DLFBHB / DLFBHC / DLFBHD / DLFBHF

Cassette DLFBHC Indoor Unit

Indoor Model Number	Grille Model Number	Unit Tons	Unit Btuh	Volt-Ph @60Hz	Notes
DLFBHC12K1A	DLFBHC01K1A	1	12,000	208/230-1	
DLFBHC18K1A	DLFBHC01K1A	1.5	18,000	208/230-1	
DLFBHC24K1A	DLFBHC02K1A	2	24,000	208/230-1	

Ducted DLFBHD Indoor Unit

Indoor Model Number	Unit Tons	Unit Btuh	Volt-Ph @60Hz	Notes
DLFBHD09K1A	0.75	9,000	208/230-1	
DLFBHD12K1A	1	12,000	208/230-1	
DLFBHD18K1A	1.5	18,000	208/230-1	
DLFBHD21K1A	1.75	21,000	208/230-1	
DLFBHD24K1A	2	24,000	208/230-1	

Floor Console DLFBHF Indoor Unit

Indoor Model Number	Unit Tons	Unit Btuh	Volt-Ph @60Hz	Notes
DLFBHF09K1A	0.75	9,000	208/230-1	
DLFBHF12K1A	1	12,000	208/230-1	
DLFBHF18K1A	1.5	18,000	208/230-1	

Accessories

Ordering No.	Description	For Models	Notes
KSACN0201AAA	Wired Remote Control	DLFBHB Indoor unit Only	
DLFBHC01K1A	Grille/Ceiling panel	Cassette Indoor units 12, 18	
DLFBHC02K1A	Grille/Ceiling panel	Cassette Indoor units 24	
KSAUI0201AAA	Multi 2 Port Branch Box	Multi-zone 48, 56 (230v)	
KSAUI0401AAA	Multi 3 Port Branch Box	Multi-zone 48, 56 (230v)	
KSAUI0501AAA	Y-type Branch Tube	Multi-zone 48, 56 (230v)	

Accessories

DLCBHR - Outdoor
DLFAHH/DLFBHB/DLFBHC/DLFBHD/DLFBHF
Multi-zone Ductless Split System
Sizes 18-56

Part Number	Description	Used on Model Size	Notes
KSACN0201AAA	Wired Remote Control	DLFBHB Indoor unit Only	
DLFBHC01K1A	Grille/Ceiling panel	Cassette Indoor units 12, 18	
DLFBHC02K1A	Grille/Ceiling panel	Cassette Indoor units 24	
KSAUI0201AAA	Multi 2 Port Branch Box	Multi-zone 48, 56 (230v)	
KSAUI0401AAA	Multi 3 Port Branch Box	Multi-zone 48, 56 (230v)	
KSAUI0501AAA	Y-type Branch Tube	Multi-zone 48, 56 (230v)	

REFER TO PRODUCT SPECIFICATIONS FOR EXACT ACCESSORY MATCH.

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED HEAT PUMP

WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed



TSTAT0201CW
Recommended
(sold separately)



smartsense
TECHNOLOGY



Qualifying models only
This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

PERFORMANCE

- Up to 13.0 EER and 11 HSPF
- Integrated inverter control enables 5-stage operation with Observer control
Observer Wall Control with version 5.0 or newer software required
Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CVH824GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	132/154(60/70)	
CVH825GKA‡	2	24,000	23.6	40	38-1/2 x 23-1/8	156/181 (71/82)	
CVH836GKA	3	36,000	24.4	40	(980 x 587)	156/181 (71/82)	
CVH837GKA‡	3	36,000	26.0	40	38-15/19 x 31-3/16	207/244 (94/111)	
CVH848GKA	4	48,000	31.4	50	(989 x 792)	207/244 (94/111)	
CVH860GKA	5	60,000	40.8	60	42-5/16 x 31-3/16 (1075 x 792)	233/272(106/123)	

‡ = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED HEAT PUMP

WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed



TSTAT0201CW
Recommended
(sold separately)

PERFORMANCE

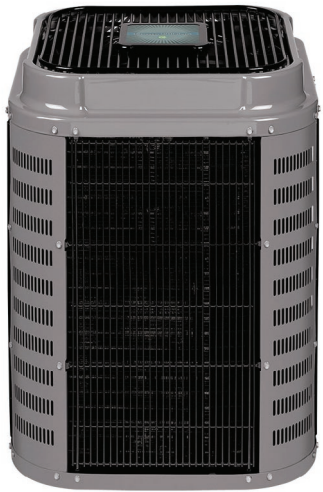
- Up to 13.0 EER and 11 HSPF
- Integrated inverter control enables 5-stage operation with Observer control
Observer Wall Control with version 5.0 or newer software required
Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



smartsense
TECHNOLOGY



Qualifying models only
This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HVH824GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	132/154(60/70)	
HVH825GKA‡	2	24,000	23.6	40	38-1/2 x 23-1/8	156/181 (71/82)	
HVH836GKA	3	36,000	24.4	40	(980 x 587)	156/181 (71/82)	
HVH837GKA‡	3	36,000	26.0	40	38-15/19 x 31-3/16	207/244 (94/111)	
HVH848GKA	4	48,000	31.4	50	(989 x 792)	207/244 (94/111)	
HVH860GKA	5	60,000	40.8	60	42-5/16 x 31-3/16 (1075 x 792)	233/272(106/123)	

‡ = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED HEAT PUMP

WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed



TSTAT0201CW
Recommended
(sold separately)

PERFORMANCE

- Up to 13.0 EER and 11 HSPF
- Integrated inverter control enables 5-stage operation with Observer control
Observer Wall Control with version 5.0 or newer software required
Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



smartsense
TECHNOLOGY



Qualifying models only
This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TVH824GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	132/154(60/70)	
TVH825GKA‡	2	24,000	23.6	40	38-1/2 x 23-1/8 (980 x 587)	156/181 (71/82)	
TVH836GKA	3	36,000	24.4	40	38-15/19 x 31-3/16 (989 x 792)	156/181 (71/82)	
TVH837GKA‡	3	36,000	26.0	40	38-15/19 x 31-3/16 (989 x 792)	207/244 (94/111)	
TVH848GKA	4	48,000	31.4	50	42-5/16 x 31-3/16 (1075 x 792)	207/244 (94/111)	
TVH860GKA	5	60,000	40.8	60	42-5/16 x 31-3/16 (1075 x 792)	233/272(106/123)	

‡ = Meets Energy Star criteria when matched with appropriate coil

HIGH EFFICIENCY UP TO 16 SEER TWO-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Only two control wires required from communicating indoor unit to condenser
- Easy Access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CCH624GKA1	2	24,000	16.4	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
CCH624GKA3	2	24,000	16.2	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
CCH636GKA1	3	36,000	21.8	35	43-1/2 x 35 x 35 (1105 x 889 x 889)	313 / 270 (142 / 123)	
CCH636GKA2	3	36,000	23.7	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	313 / 270 (142 / 123)	
CCH648GKA1	4	48,000	34.8	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	345 / 302 (157 / 137)	
CCH648GKA2	4	48,000	29.8	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	345 / 302 (157 / 137)	
CCH660GKA1	5	60,000	30.1	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	
CCH660GKA2	5	60,000	37.5	60	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	

HIGH EFFICIENCY UP TO 16 SEER TWO-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Only two control wires required from communicating indoor unit to condenser
- Easy Access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HCH624GKA1	2	24,000	16.4	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
HCH624GKA3	2	24,000	16.2	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
HCH636GKA1	3	36,000	21.8	35	43-1/2 x 35 x 35 (1105 x 889 x 889)	313 / 270 (142 / 123)	
HCH636GKA2	3	36,000	23.7	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	313 / 270 (142 / 123)	
HCH648GKA1	4	48,000	34.8	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	345 / 302 (157 / 137)	
HCH648GKA2	4	48,000	29.8	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	345 / 302 (157 / 137)	
HCH660GKA1	5	60,000	30.1	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	
HCH660GKA2	5	60,000	37.5	60	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	

TCH6

HIGH EFFICIENCY UP TO 16 SEER TWO-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Only two control wires required from communicating indoor unit to condenser
- Easy Access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



Recommended
(sold separately)



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TCH624GKA1	2	24,000	16.4	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
TCH624GKA3	2	24,000	16.2	25	40-1/8 x 35 x 35 (1019 x 889 x 889)	292 / 249 (132 / 113)	
TCH636GKA1	3	36,000	21.8	35	43-1/2 x 35 x 35 (1105 x 889 x 889)	313 / 270 (142 / 123)	
TCH636GKA2	3	36,000	23.7	40	40-1/8 x 35 x 35 (1019 x 889 x 889)	313 / 270 (142 / 123)	
TCH648GKA1	4	48,000	34.8	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	345 / 302 (157 / 137)	
TCH648GKA2	4	48,000	29.8	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	345 / 302 (157 / 137)	
TCH660GKA1	5	60,000	30.1	50	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	
TCH660GKA2	5	60,000	37.5	60	46-7/8 x 35 x 35 (1191 x 889 x 889)	369 / 323 (167 / 147)	

Specifications subject to change without notice.

16 SEER SINGLE-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer® communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CSH618GKA	1½	18,000	13.6	20	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902.0)	213 / 181 (96.6 / 82.1)	
CSH624GKA	2	24,000	15.5	25	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	232 / 194 (105.2 / 88.0)	
CSH630GKA	2½	30,000	19.9	30	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	267 / 229 (121.1 / 103.9)	
CSH636GKA	3	36,000	21.6	35	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	275 / 237 (124.7 / 107.5)	
CSH642GKA	3½	42,000	27.8	40	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	293 / 255 (132.9 / 115.7)	
CSH648GKA	4	48,000	31.8	45	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	298 / 260 (135.2 / 117.9)	
CSH660GKA	5	60,000	33.9	50	35 x 35 x 47-3/16 (889.0 x 889.0 x 1199.0)	363 / 317 (164.7 / 143.8)	

16 SEER SINGLE-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer® communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HSH618GKA	1½	18,000	13.6	20	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902.0)	213 / 181 (96.6 / 82.1)	
HSH624GKA	2	24,000	15.5	25	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	232 / 194 (105.2 / 88.0)	
HSH630GKA	2½	30,000	19.9	30	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	267 / 229 (121.1 / 103.9)	
HSH636GKA	3	36,000	21.6	35	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	275 / 237 (124.7 / 107.5)	
HSH642GKA	3½	42,000	27.8	40	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	293 / 255 (132.9 / 115.7)	
HSH648GKA	4	48,000	31.8	45	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	298 / 260 (135.2 / 117.9)	
HSH660GKA	5	60,000	33.9	50	35 x 35 x 47-3/16 (889.0 x 889.0 x 1199.0)	363 / 317 (164.7 / 143.8)	

16 SEER SINGLE-STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz
REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer® communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
TSH618GKA	1½	18,000	13.6	20	31-3/16 x 31-3/16 x 35-1/2 (792.5 x 792.5 x 902.0)	213 / 181 (96.6 / 82.1)
TSH624GKA	2	24,000	15.5	25	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	232 / 194 (105.2 / 88.0)
TSH630GKA	2½	30,000	19.9	30	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	267 / 229 (121.1 / 103.9)
TSH636GKA	3	36,000	21.6	35	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	275 / 237 (124.7 / 107.5)
TSH642GKA	3½	42,000	27.8	40	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	293 / 255 (132.9 / 115.7)
TSH648GKA	4	48,000	31.8	45	35 x 35 x 33-5/8 (889.0 x 889.0 x 853.5)	298 / 260 (135.2 / 117.9)
TSH660GKA	5	60,000	33.9	50	35 x 35 x 47-3/16 (889.0 x 889.0 x 1199.0)	363 / 317 (164.7 / 143.8)

UP TO 15 SEER SINGLE STAGE HEAT PUMP WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer wall control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Price
CSH518GKA	1½	18,000	11.8	20	28-11/16 x 31-3/16 x 31-3/16 (729 x 792 x 792)	219 / 184 (99 / 83)	
CSH524GKA	2	24,000	16.5	25	33-1/2 x 35 x 35 (850 x 889 x 889)	257 / 215 (117 / 98)	
CSH530GKA	2½	30,000	18.1	30	33-1/2 x 35 x 35 (850 x 889 x 889)	259 / 218 (117 / 99)	
CSH536GKA	3	36,000	22.1	35	36-7/8 x 35 x 35 (937 x 889 x 889)	273 / 230 (124 / 104)	
CSH542GKA	3½	42,000	27.6	40	30-1/16 x 35 x 35 (764 x 889 x 889)	305 / 263 (135 / 119)	
CSH548GKA	4	48,000	28.5	40	33-1/2 x 35 x 35 (850 x 889 x 889)	323 / 279 (146 / 126)	
CSH560GKA	5	60,000	34.2	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	357 / 314 (162 / 142)	

UP TO 15 SEER SINGLE STAGE HEAT PUMP
WITH OBSERVER® COMMUNICATING CONTROL SYSTEM
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer wall control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
 Recommended
 (sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Price
HSH518GKA	1½	18,000	11.8	20	28-9/16 x 31-3/16 x 31-3/16 (726 x 792 x 792)	219 / 184 (99 / 83)	
HSH524GKA	2	24,000	16.5	25	33-5/16 x 35 x 35 (846 x 889 x 889)	257 / 215 (117 / 98)	
HSH530GKA	2½	30,000	18.1	30	33-5/16 x 35 x 35 (846 x 889 x 889)	259 / 218 (117 / 99)	
HSH536GKA	3	36,000	22.1	35	36-11/16 x 35 x 35 (932 x 889 x 889)	273 / 230 (124 / 104)	
HSH542GKA	3½	42,000	27.6	40	29-7/8 x 35 x 35 (760 x 889 x 889)	305 / 263 (135 / 119)	
HSH548GKA	4	48,000	28.5	40	33-5/16 x 35 x 35 (846 x 889 x 889)	323 / 279 (146 / 126)	
HSH560GKA	5	60,000	34.2	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	357 / 314 (162 / 142)	

UP TO 15 SEER SINGLE STAGE HEAT PUMP

WITH OBSERVER® COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer wall control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TSH518GKA	1½	18,000	11.8	20	28-11/16 x 31-3/16 x 31-3/16 (729 x 792 x 792)	219 / 184 (99 / 83)	
TSH524GKA	2	24,000	16.5	25	33-1/2 x 35 x 35 (850 x 889 x 889)	257 / 215 (117 / 98)	
TSH530GKA	2½	30,000	18.1	30	33-1/2 x 35 x 35 (850 x 889 x 889)	259 / 218 (117 / 99)	
TSH536GKA	3	36,000	22.1	35	36-7/8 x 35 x 35 (937 x 889 x 889)	273 / 230 (124 / 104)	
TSH542GKA	3½	42,000	27.6	40	30-1/16 x 35 x 35 (764 x 889 x 889)	305 / 263 (135 / 119)	
TSH548GKA	4	48,000	28.5	40	33-1/2 x 35 x 35 (850 x 889 x 889)	323 / 279 (146 / 126)	
TSH560GKA	5	60,000	34.2	50	40-1/8 x 35 x 35 (1019 x 889 x 889)	357 / 314 (162 / 142)	

**14 SEER SINGLE STAGE HEAT PUMP
WITH OBSERVER® COMMUNICATING CONTROL SYSTEM
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz**

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
CSH418GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	219 / 184 (99.3 / 83.5)	
CSH424GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	195 / 164 (88.5 / 73.4)	
CSH430GKA	2½	30,000	18.3	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	216 / 182 (98.0 / 82.6)	
CSH436GKA	3	36,000	20	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	228 / 194 (103.4 / 88.0)	
CSH442GKA	3½	42,000	24	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
CSH448GKA	4	48,000	25.2	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
CSH460GKA	5	60,000	32	50	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	267 / 236 (121.1 / 107.0)	

14 SEER SINGLE STAGE HEAT PUMP
WITH OBSERVER® COMMUNICATING CONTROL SYSTEM
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified™ Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
HSH418GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	219 / 184 (99.3 / 83.5)	
HSH424GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	195 / 164 (88.5 / 73.4)	
HSH430GKA	2½	30,000	18.3	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	216 / 182 (98.0 / 82.6)	
HSH436GKA	3	36,000	20	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	228 / 194 (103.4 / 88.0)	
HSH442GKA	3½	42,000	24	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
HSH448GKA	4	48,000	25.2	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
HSH460GKA	5	60,000	32	50	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	267 / 236 (121.1 / 107.0)	

14 SEER SINGLE STAGE HEAT PUMP
WITH OBSERVER® COMMUNICATING CONTROL SYSTEM
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on select models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer® wall control (TSTAT0201CW)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style



TSTAT0201CW
Recommended
(sold separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TSH418GKA	1½	18,000	11.8	20	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	219 / 184 (99.3 / 83.5)	
TSH424GKA	2	24,000	17.6	25	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	195 / 164 (88.5 / 73.4)	
TSH430GKA	2½	30,000	18.3	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	216 / 182 (98.0 / 82.6)	
TSH436GKA	3	36,000	20	30	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	228 / 194 (103.4 / 88.0)	
TSH442GKA	3½	42,000	24	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
TSH448GKA	4	48,000	25.2	40	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	252 / 221 (114.3 / 100.2)	
TSH460GKA	5	60,000	32	50	31-3/16 x 31-3/16 x 28-11/16 (792.5 x 792.5 x 729.3)	267 / 236 (121.1 / 107.0)	

EFFICIENT UP TO 17.5 SEER / 13.5 EER / 9.5 HSPF HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt 1-phase



REFRIGERATION CIRCUIT

- 2-stage scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions length x width x height in. (mm)	Operating/Ship Weight lbs. (kg)	Notes
N4H624GKA	2	24,000	16.2	25	35 x 35 x 38-7/8 (889 x 889 x 988)	233/277 (106/126)	
N4H636GKA	3	36,000	23.7	40	35 x 35 x 38-7/8 (889 x 889 x 988)	245/289 (111/131)	
N4H648GKA	4	48,000	29.8	50	35 x 35 x 38-7/8 (889 x 889 x 988)	271/315 (123/143)	
N4H660GKA	5	60,000	37.5	60	35 x 35 x 45-11/16 (889 x 889 x 1161)	294/340 (133/154)	

HIGH EFFICIENCY 16 SEER HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
NXH618GKA	1½	18,000	13.6	20	31-3/16 x 31-3/16 x 35-1/2 (793 x 793 x 901)	199 / 167 (90 / 76)	
NXH624GKA	2	24,000	15.5	25	35 x 35 x 32-1/16 (889 x 889 x 815)	210 / 172 (95 / 78)	
NXH630GKA	2½	30,000	19.9	30	35 x 35 x 32-1/16 (889 x 889 x 815)	245 / 207 (111 / 94)	
NXH636GKA	3	36,000	21.6	35	35 x 35 x 32-1/16 (889 x 889 x 815)	253 / 215 (115 / 98)	
NXH642GKA	3½	42,000	27.8	40	35 x 35 x 32-1/16 (889 x 889 x 815)	271 / 233 (123 / 106)	
NXH648GKA	4	48,000	31.8	45	35 x 35 x 32-1/16 (889 x 889 x 815)	276 / 238 (125 / 108)	
NXH660GKA	5	60,000	33.9	50	35 x 35 x 45-11/16 (889 x 889 x 1161)	334 / 288 (152 / 131)	

HIGH EFFICIENCY UP TO 15 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
NXH518GKA	1½	18,000	11.8	20	28-15/16 x 31-3/16 x 31-3/16 (735 x 792 x 792)	207 / 169 (94 / 77)	
NXH524GKA	2	24,000	16.5	25	32-5/16 x 35 x 35 (821 x 889 x 889)	233 / 200 (106 / 91)	
NXH530GKA	2½	30,000	18.1	30	32-5/16 x 35 x 35 (821 x 889 x 889)	242 / 196 (110 / 89)	
NXH536GKA	3	36,000	22.1	35	35-3/4 x 35 x 35 (908 x 889 x 889)	257 / 215 (117 / 98)	
NXH537GKA	3	36,000	22.1	35	35-3/4 x 35 x 35 (908 x 889 x 889)	297 / 255 (135 / 116)	
NXH542GKA	3½	42,000	27.6	40	28-15/16 x 35 x 35 (735 x 889 x 889)	290 / 245 (132 / 111)	
NXH548GKA	4	48,000	28.5	40	28-15/16 x 35 x 35 (735 x 889 x 889)	303 / 260 (137 / 118)	
NXH560GKA	5	60,000	34.2	50	39-1/8 x 35 x 35 (994 x 889 x 889)	345 / 294 (157 / 133)	

COASTAL 14 SEER HEAT PUMP
14 SEER/11.5-11.7EER/8.2 HSPF R-410A REFRIGERANT
2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz
REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish on all sides
- Corrosion protection epoxy phenolic coated aluminum fins
- Coated, weather-resistant cabinet screws
- Coastal coated inlet grille with 3/8 (10mm) spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Operating/Ship Weight lbs. (kg)	Notes
N4H418CKG	1-1/2	18,000	12.40	20	35-3/4 x 25-3/4 x 25-3/4 (895 x 654 x 654)	136 / 162 (61 / 73)	
N4H424CKG	2	24,000	14.70	25	38-7/8 x 31-3/16 x 31-3/16 (988 x 792 x 792)	160 / 195 (72 / 89)	
N4H430CKG	2-1/2	30,000	18.30	25	28-1/8 x 31-3/16 x 31-3/16 (792 x 722 x 722)	162 / 196 (73 / 89)	
N4H436CKG	3	36,000	21.50	35	32-1/16 x 31-3/16 x 31-3/16 (815 x 792 x 792)	189 / 225 (86 / 102)	
N4H442CKG	3-1/2	42,000	31.20	50	28-7/16 x 31-3/16 x 31-3/16 (792 x 722 x 722)	203 / 237 (92 / 108)	
N4H448CKG	4	48,000	28.00	40	35-1/2 x 31-3/16 x 31-3/16 (901 x 792 x 792)	223 / 259 (101 / 117)	
N4H460CKG	5	60,000	32.50	50	38-7/8 x 31-3/16 x 31-3/16 (988 x 792 x 792)	233 / 269 (106 / 122)	

14 SEER HORIZONTAL DISCHARGE HEAT PUMP FOR USE WITH DUCTED INDOOR UNITS ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ thru 5 Tons, 208/230 Volt, 1-Phase

3 thru 5 Tons, 208/230 Volt, 3-Phase

3 thru 5 Tons, 460 Volt, 3-Phase

REFRIGERATION CIRCUIT

14-16 SEER/11-13 EER/8.2-9.0 HSPF

- Scroll compressors on all models
- Factory-supplied filter-drier
- High and Low pressure switches
- Line lengths up to 250 feet (76.2m)
- Accumulator

EASY TO INSTALL AND SERVICE

- Small footprint
- Easy access service valves on all models
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Low ambient operation (down to 0°F/-17.8°C)
- Ball-Bearing Fan Motor



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
208/230-1-60							
NH4H418AKA	1½	18,000	11.80	20	25-1/8 x 36-15/16 x 14-9/16 (638 x 938 x 370)	150/170(68/77)	
NH4H424AKA	2	24,000	16.50	25	31-1/8 x 36-15/16 x 14-9/16 (790 x 938 x 370)	161/181(73/82)	
NH4H430AKA	2½	30,000	17.20	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	196/226(89/103)	
NH4H436AKA	3	36,000	19.00	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	197/227(89/103)	
NH4H448AKA	4	48,000	28.80	50	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	246/276(112/125)	
NH4H460AKA	5	60,000	33.40	50	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	258/288(117/131)	
208/230-3-60							
NH4H436AHA	3	36,000	12.80	20	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	197/227(89/103)	
NH4H448AHA	4	48,000	18.60	30	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	246/276(112/125)	
NH4H460AHA	5	60,000	22.90	40	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	258/288(117/131)	
460-3-60							
NH4H436ALA	3	36,000	7.60	15	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	197/227(89/103)	
NH4H448ALA	4	48,000	8.60	15	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	246/276(112/125)	
NH4H460ALA	5	60,000	10.60	15	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	258/288(117/131)	

HIGH EFFICIENCY 14 SEER HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Painted cabinet finish over galvanized steel
- Coated inlet grille with 3/8" (10mm) spacing for extra protection



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions length x width x height in. (mm)	Operating/Ship Weight lbs. (kg)	Notes
R4H418AKC R4H418GKC	1½	18,000	11.8	20	23-1/8 x 23-1/8 x 35-1/16 (587 x 587 x 891)	136 / 166 (61 / 75)	
R4H424AKC R4H424GKC	2	24,000	14.2	25	25-3/4 x 25-3/4 x 35-1/2 (654 x 654 x 901)	144 / 175 (65 / 79)	
R4H430AKC R4H430GKC	2½	30,000	18.3	30	31-3/16 x 31-3/16 x 31-11/16 (792 x 792 x 804)	158 / 180 (72 / 82)	
R4H436AKC R4H436GKC	3	36,000	20	30	31-3/16 x 31-3/16 x 28-1/4 (792 x 792 x 718)	170 / 201 (77 / 91)	
R4H442AKC R4H442GKC	3½	42,000	24	40	31-3/16 x 31-3/16 x 38-7/16 (792 x 792 x 977)	201 / 235 (91 / 107)	
R4H448AKC R4H448GKC	4	48,000	25.2	40	31-3/16 x 31-3/16 x 28-1/4 (792 x 792 x 718)	197 / 232 (89 / 105)	
R4H460AKC R4H460GKC	5	60,000	32	50	31-3/16 x 31-3/16 x 31-11/16 (792 x 792 x 804)	212 / 248 (96 / 113)	

A = 2" (51mm) spacing inlet grille

G = 3/8" (10mm) spacing inlet grille

FAN COILS & COILS

FCM4X

FAN COILS WITH OBSERVER® COMMUNICATING CONTROL

Smart Diagnostics

Easier troubleshooting, providing faster service and repair

- 2, 3, 4, and 5 Tons
- Multi-position installation
- Communicating, self configuring when used with Observer Communicating Wall Control
- Bi-flow hard-shutoff R-410A TXV metering device
- HUD approved for manufactured housing
- Sweat connections
- Primary and secondary brass drain connections
- Energy efficient variable speed ECM Motor
- Ultra-low power consumption during fan only operation
- High duct static capability
- Pre-painted galvanized sheet metal cabinet insulation with vapor barrier
- Cabinet construction designed to prevent cabinet sweating
- Meets requirements of a 2% cabinet leakage rate when tested at 1.0 in. w.c. of static pressure.
- Modular cabinet on 5 ton model
- 208/230-1-60 supply voltage
- Multiple electrical entry for application flexibility
- Low voltage terminal strip
- Easy plug connection provided for quick installation of accessory heater packages
- Factory supplied washable filter easily removed - no tools required



TSAT0101CW
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	CFM (L/s)	Operating Dimensions height x width x depth in. (mm)	Filter Size in. (mm)	Ship Weight lbs. (kg)	Notes
FCM4X2400A	2	24,000	800 (378)	42-11/16 x 17-5/8 x 22-1/16 (1084 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	135 (61)	
FCM4X2400AL							
FCM4X2400AT							
FCM4X3600A	3	36,000	1200 (566)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	150 (68)	
FCM4X3600AL							
FCM4X3600AT							
FCM4X4800A	4	48,000	1600 (755)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	172 (78)	
FCM4X4800AL							
FCM4X4800AT							
FCM4X6000A	5	60,000	1750 (826)	59-3/16 x 24-11/16 x 22-1/16 (1503 x 627 x 560)	23-5/16 x 21-1/2 (592 x 546)	207 (94)	
FCM4X6000AL							
FCM4X6000AT							

** A = Copper Tube, Aluminum Fin Evaporator Coil
AL = Aluminum Tube, Aluminum Fin Evaporator Coil
AT = Tin Coated Copper Tube, Aluminum Fin Evaporator Coil

VARIABLE SPEED FAN COILS

- 2, 3, 4, and 5 Tons
- Supports two-stage outdoor units
- Available for Environmentally Sound R-410A systems
- Bolt-on, hard shut-off TXV metering device factory installed on all models
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230–1–60 supply voltage
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with accessory kits)
- Filter (washable) factory supplied
- Heat staging option
- Dehumidification function with standardized logic
- 1 inch (25mm) thick insulation with R value of 4.2



PERFORMANCE

- Variable speed ECM motor on all models
- Adjustable cooling and heating ON/OFF delay
- Heat Pump Comfort option to provide higher than normal heating air delivery temperature
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column

EASY TO INSTALL AND SERVICE

- Multiple electrical entry locations
- TXV and manifold positioned to the side for easier cleaning
- Zero clearance without heaters



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UNIT PERFORMANCE DATA								
Model Number	Size (tons)	Nominal Btu/hr	CFM (L/s) Range		Operating Dimensions height x width x depth in. (mm)	Filter Size in. (mm)	Unit Ship Weight lbs. (kg)	Notes
			Low	High				
FVM4X2400B	2	24,000	350 (165)	1200 (566)	42-11/16 x 17-5/8 x 22-1/16 (1084 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	135 (61)	
FVM4X2400BL								
FVM4X2400BT								
FVM4X3600B	3	36,000	415 (196)	1400 (661)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	150 (68)	
FVM4X3600BL								
FVM4X3600BT								
FVM4X4800B	4	48,000	425 (201)	1600 (755)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	172 (78)	
FVM4X4800BL								
FVM4X4800BT								
FVM4X6000B	5	60,000	540 (255)	2000 (944)	59-3/16 x 24-11/16 x 22-1/16 (1503 x 627 x 560)	23-5/16 x 21-1/2 (592 x 546)	207 (94)	
FVM4X6000BL								
FVM4X6000BT								

B = Copper Tube, Aluminum Fin Evaporator Coil
 BL = Aluminum Tube, Aluminum Fin Evaporator Coil
 BT = Tin Coated Copper Tube, Aluminum Fin Evaporator Coil

FAN COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- TXV metering device factory installed
- ECM 5-speed motor
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- 3 amp automotive type fuse in wire harness
- Multiple electrical entry locations
- Time delay relay (TDR) programmed in motor
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230–1–60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 1 inch thick insulation with R value of 4.2
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- No Heat (Plug) Kit factory installed
- Filter (washable) factory supplied



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UNIT PERFORMANCE DATA							
Model Number	Size (tons)	Nominal Btu/hr	Nominal CFM (L/s)	Dimensions Height x Width x depth in. (mm)	Filter Size in. (mm)	Ship Weight lbs. (kg)	Notes
FXM4X1800A	1½	18,000	600 (283)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FXM4X1800AL							
FXM4X1800AT							
FXM4X2400A	2	24,000	800 (378)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FXM4X2400AL							
FXM4X2400AT							
FXM4X3000A	2½	30,000	1000 (472)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	146 (66)	
FXM4X3000AL							
FXM4X3000AT							
FXM4X3600A	3	36,000	1200 (566)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FXM4X3600AL							
FXM4X3600AT							
FXM4X4200A	3½	42,000	1400 (661)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FXM4X4200AL							
FXM4X4200AT							
FXM4X4800A	4	48,000	1600 (755)	53-7/16 x 24-11/16 x 22-1/16 (1357 x 627 x 560)	23-5/16 x 21-1/2 (592 x 546)	185 (84)	
FXM4X4800AL							
FXM4X4800AT							
FXM4X6000A	5	60,000	2000 (944)	59-3/16 x 24-11/16 x 22-1/16 (1503 x 627 x 560)	23-5/16 x 21-1/2 (592 x 546)	201 (91)	
FXM4X6000AL							
FXM4X6000AT							

A = Copper Tube, Aluminum Fin Evaporator Coil
 AL = Aluminum Tube, Aluminum Fin Evaporator Coil
 AT = Tin Coated Copper Tube, Aluminum Fin Evaporator Coil

FAN COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- 1-1/2 thru 5 tons
- Available for environmentally sound R-410A systems
- Factory installed TXV metering device
- Sweat connections
- Aluminum Tube, Aluminum Fin Evaporator
- Primary and secondary drain fittings with brass inserts
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW - 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 1 inch thick insulation with R value of 4.2
- Filter (washable) available as accessory
- ECM 5-speed motor
- Multiposition installation - upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- Low voltage circuit protective fuse (3amp) inline on wire harness
- No Heat (Plug) Kit factory installed



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal CFM (L/s)	Dimensions Height x Width x depth in. (mm)	Filter Size in. (mm)	Ship Weight lbs. (kg)	Notes
FEM4X1800BL	1½	600 (283)	42-11/16 x 14-5/16 x 22-1/16 (1084 x 364 x 560)	13 x 21-1/2 (330 x 546)	112 (51)	
FEM4X2400CL	2	800 (378)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FEM4X3000BL	2½	1000 (472)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FEM4X3600BL	3	1200 (566)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FEM4X4200BL	3½	1400 (661)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FEM4X4800BL	4	1600 (755)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FEM4X6000BL	5	1750 (826)	53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	175 (79)	

FEM4P

FAN COILS

1½ THRU 4 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Factory installed piston metering device with Teflon ring
- ECM, 5-speed motor
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Low voltage circuit protective fuse (3 amp) inline on wire harness
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- 208/230–1–60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 1 inch thick insulation with R value of 4.2
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- No Heat (Plug) Kit factory installed
- Filter (washable) available as accessory
- HUD approved for manufactured housing



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UNIT PERFORMANCE DATA						
Model Number	Size (tons)	Nominal CFM (L/s)	Dimensions Height x Width x depth in. (mm)	Filter Size in. (mm)	Ship Weight lbs. (kg)	Notes
FEM4P1800A	1½	600 (283)	42-11/16 x 14-5/16 x 22-1/16 (1084 x 364 x 560)	13 x 21-1/2 (330 x 546)	112 (51)	
FEM4P1800AL						
FEM4P1800AT						
FEM4P2400A	2	800 (378)	42-11/16 x 14-5/16 x 22-1/16 (1084 x 364 x 560)	13 x 21-1/2 (330 x 546)	112 (51)	
FEM4P2400AL						
FEM4P2400AT						
FEM4P3000A	2½	1000 (472)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FEM4P3000AL						
FEM4P3000AT						
FEM4P3600A	3	1200 (566)	49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560)	16-3/8 x 21-1/2 (416 x 546)	122 (55)	
FEM4P3600AL						
FEM4P3600AT						
FEM4P4200A	3½	1400 (661)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FEM4P4200AL						
FEM4P4200AT						
FEM4P4800A	4	1600 (755)	49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560)	19-7/8 x 21-1/2 (505 x 546)	157 (71)	
FEM4P4800AL						
FEM4P4800AT						

A = Copper Tube, Aluminum Fin Evaporator Coil
 AL = Aluminum Tube, Aluminum Fin Evaporator Coil
 AT = Tin Coated Copper Tube, Aluminum Fin Evaporator Coil

FMA4X, FMA4P

APARTMENT FAN COILS

ALL MODELS

- 1-1/2, 2, 2-1/2, and 3 Tons
- Upflow application only
- Accessory field-installed electric heat kits available in 5, 7.5, or 10 kW
- 208/230-1-60 supply voltage
- Front return convertible to bottom return
- Cabinet exterior is galvanized sheet metal
- Fully insulated for conditioned space
(not to be installed in unconditioned spaces)

FMA4P

- For use with R-410A refrigerant or R-22 with accessory R-22 TXV

FMA4X

- R-410A refrigerant TXV standard or R-22 with accessory R-22 TXV

PERFORMANCE

- PSC motor on all FMA4P
- ECM motor on all FMA4X
- Motor suspended on rubber grommets for quieter operation
- Fresh air intake holes (capped from factory)

EASY TO INSTALL AND SERVICE

- Units fits between standard stud spacings
- All service access is located in the front
- Primary and secondary drain connections exit from the bottom
- No return-air ductwork required in specific applications
- Wall hanging brackets included with the unit



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UNIT PERFORMANCE DATA								
Model	Nominal BTU	Size (tons)	Nominal CFM(L/s)		Operating Dimensions height x width x depth in (mm)	Filter Size in(mm)	Ship Weight lbs. (kg)	Notes
FMA4P	18,000	1-1/2	450(212)	675(319)	36-1/2 x 20-1/2 x 15 (928 x 521 x 381)	16 x 20 (406 x 508)	99 (45)	
	24,000	2	600(283)	900(425)			99 (45)	
	30,000	2-1/2	750(354)	1125(531)	39-1/2 x 22 x 19 (1004 x 559 x 483)	20 x 20 (508 x 508)	121 (55)	
	36,000	3	900(425)	1350(637)			121 (55)	
FMA4X	18,000	1-1/2	450(212)	675(319)	36-1/2 x 20-1/2 x 15 (928 x 521 x 381)	16 x 20 (406 x 508)	99 (45)	
	24,000	2	600(283)	900(425)			99 (45)	
	30,000	2-1/2	750(354)	1125(531)	39-1/2 x 22 x 19 (1004 x 559 x 483)	20 x 20 (508 x 508)	121 (55)	
	36,000	3	900(425)	1350(637)			121 (55)	

Specifications subject to change without notice.

FMU4X, FMU4P, FMC4X, FMC4P

HORIZONTAL FAN COILS

1½ THRU 3 TONS

- FMU4P and FMC4P 1-1/2, 2, 2-1/2, and 3 Tons
- FMU4X and FMC4X 1-1/2, 2 and 2-1/2 Tons

ALL MODELS

- Horizontal application only
- For use with R-410A refrigerant or R-22 with accessory TXV
- Accessory field-installed electric heat kits available in 5, 7.5, or 10 kW
- 40 VA 208/230-1-60 supply voltage
- FMU4P & FMC4P use R-410A piston metering device
- FMU4X & FMC4X use R-410A TXV metering device
- R-22 capable with accessory R-22 TXV

FMC4X & FMC4P

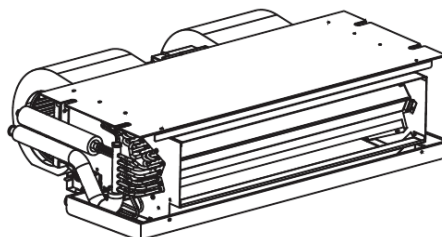
- Horizontal return applications require field fabricated bottom cover
- Cabinets meet the requirement of 2% cabinet leakage rate at 1-in w.c. of static pressure
- Cabinets constructed to prevent cabinet sweating
- Refrigerant lines and electrical connections can be run out the back or side of casing
- Primary and secondary drain connections exit from the back or side of the cabinet.

PERFORMANCE

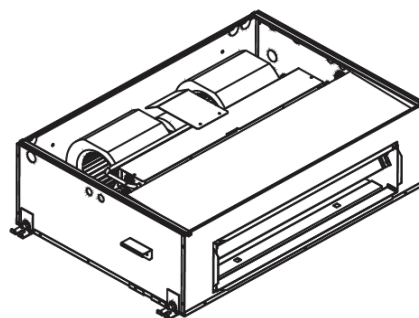
- PSC motor on all models

EASY TO INSTALL AND SERVICE

- A-coil design for maximum surface area
- Multiple electrical, refrigerant lineset and drain line entry for application flexibility
- Primary and secondary drain connections exit from the back or side of the cabinet.
- Supports furred-down ceiling open return and ducted return applications
- Sweat connections for long term reliability
- Grooved copper tube / aluminum fin coils



A13303
FMU4X & FMU4P – Uncased Horizontal Fan Coil
(FMU4P model shown)



A13304
FMC4X & FMC4P – Cased Horizontal Fan Coil
(Unit pictured upside down)



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UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal CFM(L/s)	Operating Dimensions height x width x depth in (mm)	Ship Weight lbs. (kg)	Notes
UNCASED					
FMU4P1800	1-1/2	600(283)	10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)	75(34)	
FMU4P2400	2	800(378)		75(34)	
FMU4P3000	2-1/2	1000(472)	10-1/4 x 49-1/4 x 26-3/8 (260 x 1251 x 670)	93(42)	
FMU4P3600	3*	1200(566)		93(42)	
FMU4X1800	1-1/2	600(283)	10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)	75(34)	
FMU4X2400	2	800(378)		75(34)	
FMU4X3000	2-1/2	1000(472)	10-1/4 x 49-1/4 x 26-3/8 (260 x 1251 x 670)	93(42)	
FMU4X3600	3*	1200(566)		93(42)	
CASED					
FMC4P1800	1-1/2	600(283)	11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)	109 (49)	
FMC4P2400	2	800(378)		109 (49)	
FMC4P3000	2-1/2	1000(472)	11 x 51-3/4 x 27-3/4 (282 x 1315 x 704)	135 (61)	
FMC4P3600	3*	1200(566)		135 (61)	
FMC4X1800	1-1/2	600(283)	11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)	109 (49)	
FMC4X2400	2	800(378)		109 (49)	
FMC4X3000	2-1/2	1000(472)	11 x 51-3/4 x 27-3/4 (282 x 1315 x 704)	135 (61)	
FMC4X3600	3*	1200(566)		135 (61)	

* 3600 size in FMU4P and FMC4P product only

MULTI-POSITION EVAPORATOR COILS CASED A-COILS

1-1/2 THRU 5 TONS

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- 2-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22 gauge, pre-painted steel cabinet
- Multiposition installation - upflow, downflow, or horizontal
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



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Model Number	Size (tons)	Dimensions		Notes
		H x W x D inches	(mm)	
EAM4X18L14A	1-1/2	25-13/16 x 14-3/16 x 20-5/8	(659 x 361 x 524)	
EAM4X19L17A		25-13/16 x 17-1/2 x 20-5/8	(659 x 445 x 524)	
EAM4X24L14A	2	25-13/16 x 14-3/16 x 20-5/8	(659 x 361 x 524)	
EAM4X24L17A		25-13/16 x 17-1/2 x 20-5/8	(659 x 445 x 524)	
EAM4X25L17A		29-3/4 x 17-1/2 x 20-5/8	(757 x 445 x 524)	
EAM4X30L14A	2-1/2	25-13/16 x 14-3/16 x 20-5/8	(659 x 361 x 524)	
EAM4X30L17A		25-13/16 x 17-1/2 x 20-5/8	(659 x 445 x 524)	
EAM4X36L17A	3	29-3/4 x 17-1/2 x 20-5/8	(757 x 445 x 524)	
EAM4X36L21A		29-3/4 x 21 x 20-5/8	(757 x 533 x 524)	
EAM4X37L17A		25-13/16 x 17-1/2 x 20-5/8	(659 x 445 x 524)	
EAM4X37L21A		29-3/4 x 21 x 20-5/8	(757 x 533 x 524)	
EAM4X42L21A	3-1/2	29-3/4 x 21 x 20-5/8	(757 x 533 x 524)	
EAM4X42L24A		29-3/4 x 24-1/2 x 20-5/8	(757 x 622 x 524)	
EAM4X43L21A		29-3/4 x 21 x 20-5/8	(757 x 533 x 524)	
EAM4X48L21A	4	29-3/4 x 21 x 20-5/8	(757 x 533 x 524)	
EAM4X48L24A		29-3/4 x 24-1/2 x 20-5/8	(757 x 622 x 524)	
EAM4X60L21A	5	35 x 21 x 20-5/8	(889 x 533 x 524)	
EAM4X60L24A		35 x 24-1/2 x 20-5/8	(889 x 622 x 524)	
EAM4X61L24A		35 x 24-1/2 x 20-5/8	(889 x 622 x 524)	

UPFLOW OR DOWNFLOW EVAPORATOR COILS CASED A-COILS

1-1/2 THRU 5 TONS

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- 2-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22 gauge, pre-painted steel cabinet
- Vertical installation - upflow or downflow
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



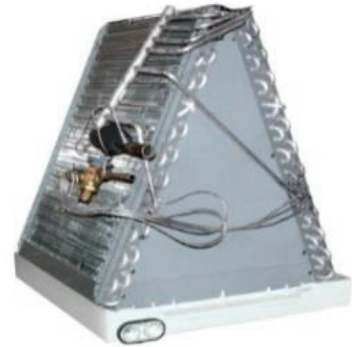
Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions	Notes
		H x W x D inches (mm)	
EAD4X19L17A	1-1/2	25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)	
EAD4X25L17A	2	29-3/4 x 17-1/2 x 20-5/8 (757 x 445 x 524)	
EAD4X37L17A	3	25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)	
EAD4X37L21A		29-3/4 x 21 x 20-5/8 (757 x 533 x 524)	
EAD4X43L21A	3-1/2	29-3/4 x 21 x 20-5/8 (757 x 533 x 524)	
EAD4X61L24A	5	35 x 24-1/2 x 20-5/8 (889 x 622 x 524)	

UPFLOW OR DOWNFLOW EVAPORATOR COILS UNCASED A-COILS

1-1/2 THRU 5 TONS

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions	Notes
		H x W x D inches (mm)	
EAA4X18L14A	1-1/2	13-5/8 x 13 x 20-1/8 (346 x 330 x 511)	
EAA4X24L14A	2	17-3/4 x 13 x 20-1/8 (451 x 330 x 511)	
EAA4X24L17A	2	21-7/8 x 13 x 20-1/8 (556 x 330 x 511)	
EAA4X30L14A	2-1/2	17-1/4 x 16-5/16 x 20-1/8 (451 x 414 x 511)	
EAA4X30L17A	2-1/2	21-7/8 x 16-5/16 x 20-1/8 (545 x 414 x 511)	
EAA4X36L17A	3	23-9/16 x 16-5/16 x 20-1/8 (598 x 414 x 511)	
EAA4X36L21A	3	23 x 19-13/16 x 20-1/8 (584 x 503 x 511)	
EAA4X42L21A	3-1/2	25-1/16 x 19-13/16 x 20-1/8 (637 x 503 x 511)	
EAA4X48L21A	4	25-5/16 x 19-13/16 x 20-1/8 (643 x 503 x 511)	
EAA4X48L24A	4	24-13/16 x 23-5/16 x 20-1/8 (630 x 592 x 511)	
EAA4X60L24A	5	31-1/16 x 23-5/16 x 20-1/8 (789 x 592 x 511)	

VERTICAL EVAPORATOR COILS CASED N-COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 14-3/16", 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation
- Compact design, shorter than comparable A-coils
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
END4X18L14A	1-1/2	12-5/8 x 14-3/16 x 21 (321 x 360 x 533)	
END4X19L17A		17 x 17-1/2 x 21 (432 x 445 x 533)	
END4X24L14A	2	14-5/8 x 14-3/16 x 21 (372 x 360 x 533)	
END4X24L17A		14-5/8 x 17-1/2 x 21 (372 x 445 x 533)	
END4X30L14A	2-1/2	17 x 14-3/16 x 21 (432 x 360 x 533)	
END4X30L17A		17 x 17-1/2 x 21 (432 x 445 x 533)	
END4X31L17A		23-1/4 x 17-1/2 x 21 (591 x 445 x 533)	
END4X36L17A	3	17 x 17-1/2 x 21 (432 x 445 x 533)	
END4X36L21A		17 x 21 x 21 (432 x 533 x 533)	

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
END4X37L17A	3	27-3/16 x 17-1/2 x 21 (691 x 445 x 533)	
END4X42L17A	3-1/2	21-1/8 x 17-1/2 x 21 (537 x 445 x 533)	
END4X42L21A		19 x 21 x 21 (483 x 533 x 533)	
END4X43L24A		26-5/16 x 24-1/2 x 21 (669 x 622 x 533)	
END4X48L21A	4	22-1/16 x 21 x 21 (560 x 533 x 533)	
END4X48L24A		22-1/16 x 24-1/2 x 21 (560 x 622 x 533)	
END4X60L24A	5	26-7/8 x 24-1/2 x 21 (683 x 622 x 533)	
END4X61L24A		32-7/16 x 24-1/2 x 21 (824 x 622 x 533)	

ENW4X

VERTICAL EVAPORATOR COILS CASED N-COILS

3 THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Drainpan raised 2" (51mm) and block-off plate factory installed - for installing wider coil on narrower furnace
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

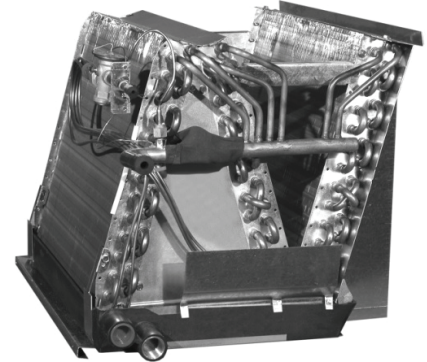
UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
ENW4X36L17A	3	19-13/16 x 17-1/2 x 21 (503 x 445 x 533)	
ENW4X42L21A	3-1/2	21-13/16 x 21 x 21 (432 x 533 x 533)	
ENW4X48L21A	4	24-7/8 x 21 x 21 (632 x 533 x 533)	
ENW4X60L24A	5	29-1/8 x 24-1/2 x 21 (740 x 622 x 533)	

VERTICAL EVAPORATOR COILS UNCASED N-COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Upflow or downflow installation
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
ENA4X18L14A	1-1/2	10-7/8 x 12-7/8 x 19-3/8 (276 x 327 x 492)	
ENA4X19L17A		14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)	
ENA4X24L14A	2	12-7/8 x 12-7/8 x 19-3/8 (327 x 327 x 492)	
ENA4X24L17A		12-11/16 x 16-1/4 x 19-3/8 (322 x 413 x 492)	
ENA4X30L14A	2-1/2	14-7/8 x 12-7/8 x 19-3/8 (378 x 327 x 492)	
ENA4X30L17A		14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)	
ENA4X31L17A		20-3/4 x 16-1/4 x 19-3/8 (527 x 413 x 492)	
ENA4X36L17A	3	14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)	
ENA4X36L21A		14-7/16 x 19-5/8 x 19-3/8 (367 x 499 x 492)	

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
ENA4X37L17A	3	24-3/4 x 16-1/4 x 19-3/8 (629 x 413 x 492)	
ENA4X42L21A	3-1/2	16-1/2 x 19-5/8 x 19-3/8 (419 x 499 x 492)	
ENA4X43L24A		24-3/8 x 23-1/8 x 19-3/8 (619 x 587 x 492)	
ENA4X48L21A	4	20-9/16 x 19-5/8 x 19-3/8 (522 x 499 x 492)	
ENA4X48L24A		20-5/16 x 23-1/8 x 19-3/8 (516 x 587 x 492)	
ENA4X60L24A	5	24-3/8 x 23-1/8 x 19-3/8 (619 x 587 x 492)	
ENA4X61L24A		30-1/2 x 23-1/8 x 19-3/8 (774 x 587 x 492)	

HORIZONTAL EVAPORATOR COILS CASED N-COILS

2 THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Horizontal installation
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions H x W x D inches (mm)	Notes
ENH4X24L17A	2	19 x 17-1/2 x 20-3/4 (483 x 445 x 527)	
ENH4X30L17A	2-1/2	22-1/16 x 17-1/2 x 20-3/4 (560 x 445 x 527)	
ENH4X31L17A		27-1/2 x 17-1/2 x 20-3/4 (699 x 445 x 527)	
ENH4X36L17A	3	22-1/16 x 17-1/2 x 20-3/4 (560 x 445 x 527)	
ENH4X42L21A	3-1/2	22-1/16 x 21 x 20-3/4 (560 x 533 x 527)	
ENH4X43L21A		30-1/8 x 21 x 20-3/4 (766 x 533 x 527)	
ENH4X48L21A	4	28-1/16 x 21 x 20-3/4 (713 x 533 x 527)	
ENH4X60L24A	5	29 x 24-1/2 x 20-3/4 (737 x 622 x 527)	
ENH4X61L24A		29-1/16 x 24-1/2 x 20-3/4 (738 x 622 x 527)	

EDM4X

CASED MULTIPOSITION A-COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

Widths match 15-1/2, 19-1/4, 22-3/4, 24-1/2 ICP gas furnaces

FEATURES

- Removable front access panel
- Easy slide-out coil for inspection
- Two UV light knock-outs provided on cabinet
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Multiposition installation - upflow, downflow, or horizontal
- Sturdy, 22 gauge, pre-painted steel cabinet
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

COIL FEATURES

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections
- Two-piece delta plate for easier removal and cleaning



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA				UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions height x width x depth inches (mm)	Notes	Model Number	Size (tons)	Dimensions height x width x depth inches (mm)	Notes
EDM4X18BAL	1-1/2	25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)		EDM4X42FAL	3-1/2	29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)	
EDM4X24BAL	2	25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)		EDM4X42JAL		29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)	
EDM4X24FAL		25-7/8 x 19-1/4 x 20-5/8 (657 x 489 x 524)		EDM4X42LAL		29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)	
EDM4X30BAL	2-1/2	25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)		EDM4X48FAL	4	35 x 19-1/4 x 20-5/8 (889 x 489 x 524)	
EDM4X30FAL		25-7/8 x 19-1/4 x 20-5/8 (657 x 489 x 524)		EDM4X48JAL		29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)	
EDM4X36BAL	3	29-3/4 x 15-5/8 x 20-5/8 (756 x 397 x 524)		EDM4X48LAL		29-3/4 x 24-1/2 x 20-5/8 (756 x 622 x 524)	
EDM4X36FAL		29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)		EDM4X60JAL	5	35 x 22-7/8 x 20-5/8 (889 x 581 x 524)	
EDM4X36JAL		29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)		EDM4X60LAL		35 x 24-1/2 x 20-5/8 (881 x 622 x 524)	

EMA4X

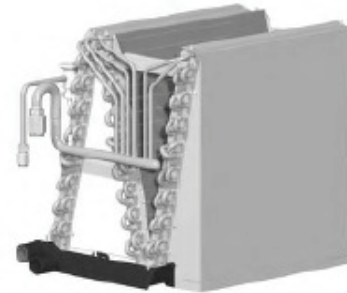
COILS for MANUFACTURED HOUSING

2, 3 and 4 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

FEATURES

- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped with condensate drain hose and trap
- Shipped with fittings and adapter plates
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions height x width x depth inches (mm)	Notes
EMA4X24DAL	2	12-5/8 x 17-7/8 x 19-9/16 (321 x 454 x 497)	
EMA4X36DAL	3	14-11/16 x 17-7/8 x 19-9/16 (373 x 454 x 497)	
EMA4X48DAL	4	18-3/4 x 17-7/8 x 19-9/16 (476 x 454 x 497)	

EHD4X

CASED HORIZONTAL DUCT COILS

2 THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

FEATURES

- Horizontal, bi-directional airflow
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Slide-out feature for easy cleaning
- Pre-painted steel cabinet
- Aluminum main tubing and aluminum fins (copper stubs for field connection)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA			
Model Number	Size (tons)	Dimensions height x width x depth inches (mm)	Notes
EHD4X24AAL	2	28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 637)	
EHD4X30AAL	2-1/2	28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 637)	
EHD4X36AAL	3	28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)	
EHD4X42AAL	3-1/2	28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)	
EHD4X48AAL	4	30-3/8 x 11-3/4 x 28-13/16 (772 x 298 x 732)	
EHD4X60AAL	5	30-3/8 x 11-3/4 x 38-15/16 (772 x 298 x 989)	

MODULAR VARIABLE SPEED BLOWER CABINET

2, 3, 4 and 5 TONS

FEATURES

- Variable speed modular blower
- Supports two-stage outdoor units
- Dehumidification Speed: 80% airflow
- Efficient low continuous fan selection: 50% airflow
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Adjustable blower time delay
- Accepts accessory two stage outdoor thermostats
- Matches with AC and HP cased coils
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single or three phase available separately

SERVICE

- Direct drive slide-out blower assembly

QUALITY

- Internally lined with 1/2 inch(12.7mm) insulation
- Thermosetting powder coated steel cabinet



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA									
Model Number	Nominal Tons	CFM Range		Motor HP	Dimensions height x width x depth in/mm		Unit Wt. lbs(kg)	Ship Wt. lbs (kg)	Notes
		Low	High						
MV080014C	2	350	1200	1/2	24 x 14-1/2 x 20-1/2	610 x 360 x 521	54(25)	58(26)	
MV120017C	3	415	1400	1/2	24 x 17-1/2 x 20-1/2	610 x 445 x 521	58(26)	62(28)	
MV160021C	4	540	2000	3/4	25 x 21 x 20-1/2	635 x 533 x 521	70(32)	75(34)	
MV200024C	5	540	2000	3/4	25 x 24-1/2 x 20-1/2	635 x 622 x 521	73(33)	79(36)	

MODULAR ELECTRIC FURNACE

2, 3, 4 and 5 TONS

FEATURES

- Modular blower cabinet, air conditioning or heat pump ready
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Three speed PSC motor on all models
- Matches with AC and HP cased coils
- Accepts accessory two stage outdoor thermostats
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single or three phase available separately

SERVICE

- Direct drive slide-out blower assembly

QUALITY

- Internally lined with 1/2 inch(12.7mm) insulation
- Thermosetting powder coated steel cabinet



UNIT PERFORMANCE DATA								
Model Number	Nominal Tons	Nominal CFM	Motor HP	Dimensions height x width x depth in/mm		Unit Wt. lbs(kg)	Ship Wt. lbs (kg)	Notes
MF080014C	2	800	1/3	24 x 14-1/2 x 20-1/2	610 x 360 x 521	54(25)	58(26)	
MF120017C	3	1200	1/2	24 x 17-1/2 x 20-1/2	610 x 445 x 521	58(26)	62(28)	
MF160021C	4	1600	1/2	25 x 21 x 20-1/2	635 x 533 x 521	70(32)	75(34)	
MF200024C	5	2000	3/4	25 x 24-1/2 x 20-1/2	635 x 622 x 521	73(33)	79(36)	

TSTAT0201CW, 0406, 0408

TSTAT0201CW (Wi-Fi® compatible) COLOR TOUCH-SCREEN COMMUNICATING WALL CONTROL

For use in Single or Multi-Zone Installations (Requires a complete Observer Zoning System and Version 4.02 software or later)

- Supports Observer System communicating equipment multistage Heating and Cooling operation, including modulating gas furnaces (version 4.02 and later) and inverter compressor sections (ODUs; version 5.02 and later). **NOTE:** The TSTAT0101SC wall control DOES NOT support inverter compressor sections.
- TSTAT0201CW features Remote Access via home Wi-Fi network; See www.MyObserverComfort.com for more information and access to iOS and Android mobile apps.
- 4-wire (or 2-/3-wire depending on the communicating outdoor unit used) installation from each compatible component in the system
- Self configuration with all compatible components in the system
- Simplified programming with options for 4 daily periods during individual days, all days same, or weekday/weekend schedule; California Title 24 compliant
- Option to use NAXA00101DB Daughter Board for connection with non-communicating system components (Single or Multi-Zone Installations)
- True Dual Fuel compatible; Full humidity control (with compatible equipment)
- Selectable screen backlight brightness, including 30%/Off
- Supports up to 4 stages Heat, 2 stages Cool for non-communicating equipment
- Adjustable/resettable filter and service reminders
- High definition full color touch-screen display; QWERTY keyboard for data entry
- Communication with all compatible components in the system
- Enter dealer name and contact info for display during a fault
- Text based diagnostics viewable on screen



TSTAT0406

- 7-Day programming
- Dual Fuel System Management
- Four-wire capability with Daughter Board
- Four-stage heat, two-stage cool
- Auto changeover
- Digital dealer contact info display
- Blue backlit display

TSTAT0408

- 7-Day programming
- Dual Fuel System Management
- Four-wire capability with Daughter Board
- Four-stage heat, Two-stage cool
- Auto changeover
- Digital dealer contact info display
- Blue backlit display
- Humidity control
- Option to make "H" terminal energized for dehum or de-energized for dehum



Model Number	Description	Notes
TSTAT0201CW	Observer® Wireless Wall Control	
TSTAT0406	Programmable Thermostat	
TSTAT0408	Prog Thermostat with Humidity Control	
NAXA00101DB	Relay Pack Daughter Board	
40106750000**	USB Memory Stick Adapter	

**Available through the Literature Ordering System.

All trademarks are the property of their respective owners. Wi-Fi® is a trademark of Wi-Fi Alliance Corporation.

TSTAT0201CW and TSTAT0101SC ACCESSORIES		
PART NUMBER	DESCRIPTION	Notes
NAXA00101DB	Daughter board for use with non-communicating equipment. Converts 4-wire signal to conventional multi-wire signals (Y1, Y2, W1, W2, G, O) NOTE: Can be used in either Single or Multi-Zone Installations	
NAXA00101WA	Observer Wireless Access Point for use with TSTAT0201CW model wall control. Provides gateway/router services to an Observer Wi-Fi® network if other Wi-Fi networks are unavailable or unusable. Connects to an existing ethernet network that provides internet access. DOES NOT add Wi-Fi capability to the TSTAT0101SC model wall control.	
TSTATXXSEN01B	Outdoor Temperature Sensor, use with non-communicating equipment (communicating outdoor equipment factory equipped with OD temp sensor)	
TXMBP01	Backplate, medium size. Covers wall spots left when replacing larger thermostats	
SYSTXGRPLG10	Communicating Plug, 4-wire (DX+, DX-, C, R). Matches connector on control board of communicating indoor and outdoor equipment, 10 pack	
SYSTXIIRRS01	Remote Room Sensor (not required), requires 2-wire stat cable, use 1 or 4 with Observer control for optional remote temperature sensing (temperatures averaged)	
ZONING ACCESSORIES		
PART NUMBER	DESCRIPTION	Notes
ZONE0101ZP6	Observer Zone Panel supports up to 6 zones and provides basic relay logic for damper operation and serves as the common connection point for the Observer Zoning System.	
ZONE0101RRS	Observer Communicating Room Sensor is a Zone Sensor option for Zones 2 through 6. It provides full setback capabilities (through the Observer wall control interface only) and communicates to Observer Zoning System).	
ZONEXX0DTS01	Leavening Air Temperature (LAT) Sensor provides temperature readings to the zoning system to optimize performance and to protect the equipment	
ZDAMPRND06INCB	Round Dampers 6 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPRND08INCB	Round Dampers 8 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPRND10INCB	Round Dampers 10 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPRND12INCB	Round Dampers 12 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPRND14INCB	hub	
ZDAMPRND16INCB	Round Dampers 16 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC08X10B	Rectangular Dampers 8 inch X 10 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC08X14B	Rectangular Dampers 8 inch X 14 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC08X18B	Rectangular Dampers 8 inch X 18 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC08X24B	Rectangular Dampers 10 inch X 24 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC10X10B	Rectangular Dampers 10 inch X 10 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC10X14B	Rectangular Dampers 10 inch X 14 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC10X18B	Rectangular Dampers 10 inch X 18 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPREC10X24B	Rectangular Dampers 10 inch X 24 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPBAR8X14	Rectangular Barometric Bypass 8 inch X 14 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPBAR8X24	Rectangular Barometric Bypass 8 inch X 24 inch power open, power closed damper with self-aligning shaft and actuator hub	
ZDAMPACT45DEGR	45° Replacement Actuator for Round Dampers	
ZDAMPACT90DEGR	90° Replacement Actuator for Round Dampers	

AHIC & FAIC

FAN COIL MEDIA CLEANER

AHIC Media Cabinet

EFFICIENCY

- Minimum Efficiency Reporting Value as specified by ASHRAE is MERV 8

EASY FILTER ACCESS

- AHIC media cabinet allows easy filter access on fan coil systems

IMPROVED INDOOR AIR QUALITY (IAQ)

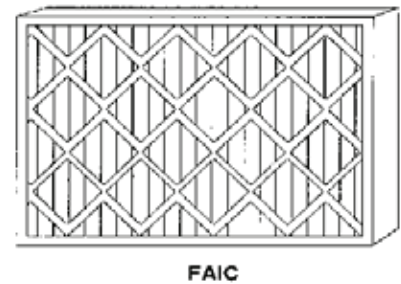
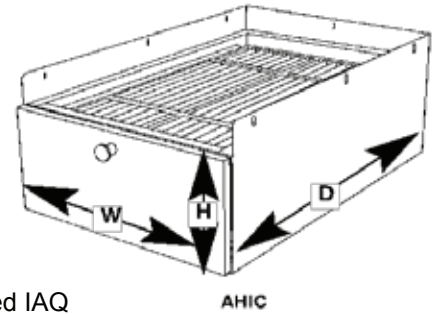
- When used with high efficiency FAIC filter, the AHIC media cabinet provides improved IAQ

TROUBLE FREE INSTALLATION

- No electricity required

NEARLY MAINTENANCE FREE OPERATION

- Only maintenance required is replacing media filter cartridge when needed (before each heating or cooling season)



FAIC Media Filter Cartridge

EFFICIENCY

- Minimum Efficiency Reporting Value as specified by ASHRAE is MERV 8, minimum of 70% particle collection efficiency in the 3-10micron particle size

LARGE DUST HOLDING CAPACITY

- Filters accommodate between 13 and 25 sq. ft. of filter media into a low-pressure drop design - providing large dust holding capacities
- Large surface area traps dust, pollen, molds, tobacco smoke, grease, soot, bacteria, and animal dander to provide cleaner, fresher air

EXCEPTIONAL SYSTEM PERFORMANCE

- For optimum system performance use the AHIC with FAIC high efficiency media

UNIT PERFORMANCE DATA			
Model Number	CFM	Dimensions height x width x depth in. (mm)	Notes
AHIC0014A	900	7.008 x 14.293 x 22.143 (178 x 363 x 562)	
AHIC0017A	1350	7.008 x 17.620 x 22.143 (178 x 448 x 562)	
AHIC0021A	2000	7.008 x 21.124 x 22.143 (178 x 537 x 562)	
AHIC0024A	2200	7.008 x 24.620 x 22.143 (178 x 625 x 562)	
Model Number	CFM	Dimensions height x width x depth in. (mm)	Notes
FAIC0014A02	13.05 sq.ft.	19.8125 x 12.175 x 4.3125 (503 x 309 x 110)	
FAIC0017A02	17.8 sq. ft.	19.8125 x 15.625 x 4.3125 (503 x 397 x 110)	
FAIC0021A02	20.17 sq. ft.	19.8125 x 19.125 x 4.3125 (503 x 486 x 110)	
FAIC0024A02	24.9 sq. ft.	19.8125 x 22.625 x 4.3125 (503 x 575 x 110)	

RESIDENTIAL HEATING

Up to 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

EASIER TO SELL

- Up to 98% AFUE in upflow and horizontal positions
Up to 96.7% AFUE in downflow
- Modulating heating operation (40% - 100% capacity)
- Observer® Communicating Control System
- Xtra SEER Variable Speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly



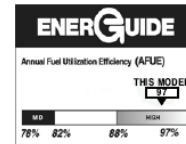
TSTAT0201CW
Recommended
(sold separately)



WARNING
CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
 This furnace is not designed for use in recreation vehicles, manufactured (mobile) homes or outdoors.
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UNIT PERFORMANCE DATA								
Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
G9MAE0601714A	60,000	97.0%	95.0%	✓	510-1335	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	154 (69)	
G9MAE0602120A	60,600	98.0%	96.7%	✓	510-1905	35 x 21 x 29-1/2 (889 x 533 x 750)	159 (70)	
G9MAE0801714A	80,000	97.0%	95.0%	✓	490-1375	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	164 (74)	
G9MAE0802120A	80,000	97.0%	95.0%	✓	750-1945	35 x 21 x 29-1/2 (889 x 533 x 750)	169(77)	
G9MAE1002122A	100,000	97.0%	95.0%	✓	715-2160	35 x 21 x 29-1/2 (889 x 533 x 750)	179 (80)	
G9MAE1202422A	120,000	97.0%	95.0%	✓	885-2185	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	203 (91)	

Up to 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

EASIER TO SELL

- Up to 98% AFUE in upflow and horizontal positions
Up to 96.7% AFUE in downflow
- Modulating heating operation (40% - 100% capacity)
- Observer® Communicating Control System
- Xtra SEER Variable Speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

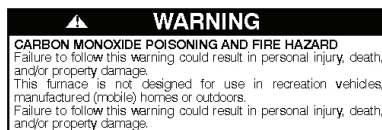
- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly



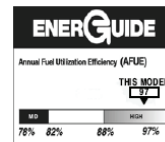
TSTAT0201CW
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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
F9MAE0601714A	60,000	97.0%	95.0%	✓	510-1335	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	154 (69)	
F9MAE0602120A	60,600	98.0%	96.7%	✓	510-1905	35 x 21 x 29-1/2 (889 x 533 x 750)	159 (70)	
F9MAE0801714A	80,000	97.0%	95.0%	✓	490-1375	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	164 (74)	
F9MAE0802120A	80,000	97.0%	95.0%	✓	750-1945	35 x 21 x 29-1/2 (889 x 533 x 750)	169(77)	
F9MAE1002122A	100,000	97.0%	95.0%	✓	715-2160	35 x 21 x 29-1/2 (889 x 533 x 750)	179 (80)	
F9MAE1202422A	120,000	97.0%	95.0%	✓	885-2185	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	203 (91)	

Up to 96% AFUE, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE, all models, all positions
- All models earn the ENERGY STAR® (See below, indicated with check mark.)
- Series 'A2' approved for Twinning applications (0601714, 0801716, 1002120, and 1202422) with accessory (order separately)
- Series 'A4' (or greater) allow 15 Amp breaker (0802120, 1002120 and 1202422) with accessory (order separately)
- Two-stage heating operation
- Observer® Communicating Control System
- Xtra SEER Variable speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed ECM blower motor
- Fully insulated steel cabinet

EASIER TO INSTALL AND SERVICE

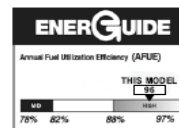
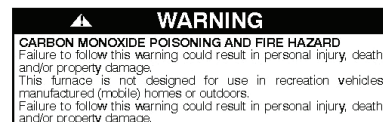
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly



TSTAT0201CW
Recommended
(sold separately)



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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
G9MVE0401410A	40,000	96.0%	95.0%	✓	440-905	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	121 (54)	
G9MVE0401712A	40,000	96.0%	95.0%	✓	385-1065	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	131 (59)	
G9MVE0601412A	60,000	95.0%	95.0%	✓	420-1065	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	132 (60)	
G9MVE0601714A	60,000	96.0%	95.0%	✓	435-1475	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	142 (64)	
G9MVE0801716A	80,000	96.0%	95.0%	✓	555-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	152 (68)	
G9MVE0802120A	80,000	96.0%	95.0%	✓	440-2005	35 x 21 x 29-1/2 (889 x 533 x 750)	156 (71)	
G9MVE1002120A	100,000	96.0%	95.0%	✓	405-2005	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (75)	
G9MVE1202422A	120,000	96.0%	95.0%	✓	480-2115	35 x 24-1/2 x 29-1/2 (889 x 622 x 7507)	190 (86)	

Up to 96% AFUE, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE, all models, all positions
- All models earn the ENERGY STAR® (See below, indicated with check mark.)
- Series 'A2' (or greater) approved for Twinning applications (0601714, 0801716, 1002120 and 1202422) with accessory (order separately)
- Series 'A4' (or greater) allow 15 Amp breaker (0802120, 1002120 and 1202422) with accessory (order separately)
- Two-stage heating operation
- Observer® Communicating Control System
- Xtra SEER Variable speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed ECM blower motor
- Fully insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

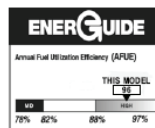


TSTAT0201CW
Recommended
(sold separately)



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WARNING
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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
F9MVE0401410A	40,000	96%	95%	✓	440-905	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	121 (54)	
F9MVE0401712A	40,000	96%	95%	✓	385-1065	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	131 (59)	
F9MVE0601412A	60,000	95%	95%	✓	420-1065	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	132 (60)	
F9MVE0601714A	60,000	96%	95%	✓	435-1475	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	142 (64)	
F9MVE0801716A	80,000	96%	95%	✓	555-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	152 (68)	
F9MVE0802120A	80,000	96%	95%	✓	440-2005	35 x 21 x 29-1/2 (889 x 533 x 750)	156 (71)	
F9MVE1002120A	100,000	96%	95%	✓	405-2005	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (75)	
F9MVE1202422A	120,000	96%	95%	✓	480-2115	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	190 (86)	

Up to 96% AFUE, TWO-STAGE, ECM GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE in upflow and horizontal positions
95% AFUE in downflow position
- California NOx approved
- All models earn the ENERGY STAR®
- Two-stage heating operation
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601412 through 1202422) with accessory (order separately)
- Dehumidification feature in cooling
- Electronic air cleaner terminal
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

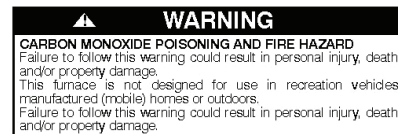
- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

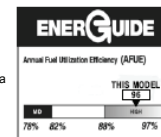
- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly



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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
G9MXT0401410A	40,000	96.0%	95.0%	✓	385-925	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	125 (56)	
G9MXT0401712A	40,000	96.0%	95.0%	✓	330-1085	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	135 (61)	
G9MXT0601412A	60,000	96.0%	95.0%	✓	620-1090	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	136 (62)	
G9MXT0601714A	60,000	96.0%	95.0%	✓	530-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	146 (66)	
G9MXT0801716A	80,000	96.0%	95.0%	✓	920-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	156 (70)	
G9MXT0802120A	80,000	96.0%	95.0%	✓	795-2015	35 x 21 x 29-1/2 (889 x 533 x 750)	161 (73)	
G9MXT1002120A	100,000	96.0%	95.0%	✓	1105-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	171 (77)	
G9MXT1202422A	120,000	96.0%	95.0%	✓	1215-2055	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	195 (88)	

Specifications subject to change without notice.

Up to 96% AFUE, TWO-STAGE, ECM GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE in upflow and horizontal positions
95% AFUE in downflow position
- California NOx approved
- All models earn the ENERGY STAR®
- Two-stage heating operation
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601412 through 1202422) with accessory (order separately)
- Dehumidification feature in cooling
- Electronic air cleaner terminal
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly



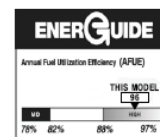
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WARNING

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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
F9MXT0401410A	40,000	96.0%	95.0%	✓	385-925	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	125 (56)	
F9MXT0401712A	40,000	96.0%	95.0%	✓	330-1085	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	135 (61)	
F9MXT0601412A	60,000	96.0%	95.0%	✓	620-1090	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	136 (62)	
F9MXT0601714A	60,000	96.0%	95.0%	✓	530-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	146 (66)	
F9MXT0801716A	80,000	96.0%	95.0%	✓	920-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	156 (70)	
F9MXT0802120A	80,000	96.0%	95.0%	✓	795-2015	35 x 21 x 29-1/2 (889 x 533 x 750)	161 (73)	
F9MXT1002120A	100,000	96.0%	95.0%	✓	1105-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	171 (77)	
F9MXT1202422A	120,000	96.0%	95.0%	✓	1215-2055	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	195 (88)	

Up to 96% AFUE, SINGLE STAGE, ECM GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE in upflow and horizontal positions
95% AFUE in downflow position
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601714 through 1202422) with accessory (order separately)
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly



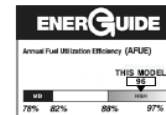
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⚠ WARNING

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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
G9MXE0261410A	26,000	96.0%	95.0%	√	375-895	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	118 (54)	
G9MXE0401410A	40,000	96.0%	95.0%	√	385-925	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	120 (54)	
G9MXE0401712A	40,000	96.0%	95.0%	√	330-1085	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	135 (61)	
G9MXE0601412A	60,000	95.5%	95.0%	√	620-1090	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	136 (62)	
G9MXE0601714A	60,000	96.0%	95.0%	√	530-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	141 (63)	
G9MXE0801716A	80,000	96.0%	95.0%	√	920-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (68)	
G9MXE0802120A	80,000	96.0%	95.0%	√	795-2015	35 x 21 x 29-1/2 (889 x 533 x 750)	156 (71)	
G9MXE1002120A	100,000	96.0%	95.0%	√	1105-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (75)	
G9MXE1202422A	120,000	96.0%	95.0%	√	1215-2055	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	190 (85)	

Up to 96% AFUE, SINGLE STAGE, ECM GAS FURNACE

EASIER TO SELL

- Up to 96% AFUE in upflow and horizontal positions
95% AFUE in downflow position
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601714 through 1202422) with accessory (order separately)
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly



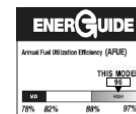
Illustrations and photographs are only representative. Some Product models may vary.

WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
 This furnace is not designed for use in recreation vehicles or outdoors.
 Failure to follow this warning could result in personal injury, death, and/or property damage.



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UNIT PERFORMANCE DATA								
Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow					
F9MXE0261410A	26,000	96.0%	95.0%	√	375-895	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	118 (54)	
F9MXE0401410A	40,000	96.0%	95.0%	√	385-925	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	120 (54)	
F9MXE0401712A	40,000	96.0%	95.0%	√	330-1085	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	135 (61)	
F9MXE0601412A	60,000	95.5%	95.0%	√	620-1090	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	136 (62)	
F9MXE0601714A	60,000	96.0%	95.0%	√	530-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	141 (63)	
F9MXE0801716A	80,000	96.0%	95.0%	√	920-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (98)	
F9MXE0802120A	80,000	96.0%	95.0%	√	795-2015	35 x 21 x 29-1/2 (889 x 533 x 750)	156 (71)	
F9MXE1002120A	100,000	96.0%	95.0%	√	1105-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (75)	
F9MXE1202422A	120,000	96.0%	95.0%	√	1215-2055	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	190 (85)	

95.5% AFUE, SINGLE STAGE, GAS FURNACE

EASIER TO SELL

- Up to 95.5% AFUE in upflow and horizontal positions
Up to 95% AFUE in downflow position
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for twinning applications (0601410 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal & electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly



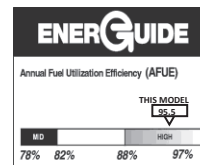
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WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow				
N9MSE0261408A	26,000	95.5%	95.0%	440-775	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	120 (54)	
N9MSE0401410A	40,000	95.5%	95.0%	625-905	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	123 (55)	
N9MSE0401712A	40,000	95.5%	95.0%	650-1050	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	134 (61)	
N9MSE0601410A	60,000	95.5%	95.0%	675-1130	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	127 (57)	
N9MSE0601714A	60,000	95.5%	95.0%	650-1420	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	144 (65)	
N9MSE0801716A	80,000	95.5%	95.0%	810-1600	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	154 (69)	
N9MSE0802120A	80,000	95.5%	95.0%	1335-1970	35 x 21 x 29-1/2 (889 x 533 x 750)	162 (73)	
N9MSE1002114A	100,000	95.5%	95.0%	915-1545	35 x 21 x 29-1/2 (889 x 533 x 750)	169 (76)	
N9MSE1002120A	100,000	95.5%	95.0%	1345-2065	35 x 21 x 29-1/2 (889 x 533 x 750)	169 (76)	
N9MSE1202420A	120,000	95.5%	95.0%	1320-2105	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	186 (84)	
N9MSE1402420A	140,000	95.5%	94.4%	1290-2035	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	190 (86)	

92.1% AFUE, SINGLE STAGE, GAS FURNACE

EASIER TO SELL

- 92.1% AFUE, all models all positions, California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for twinning applications (0601412 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications (0401410 through 1202420) with accessory (order separately)

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal, electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

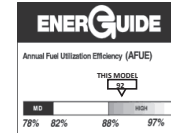


Illustrations and photographs are only representative. Some Product models may vary.

WARNING
CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency Range AFUE		Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Notes
		Upflow/Hz	Downflow				
N9MSB0401410C	40,000	92.1%	92.1%	595-970	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	121 (55)	
N9MSB0401712C	40,000	92.1%	92.1%	655-1140	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	125 (57)	
N9MSB0601412C	60,000	92.1%	92.1%	645-1155	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	127 (57)	
N9MSB0601716C	60,000	92.1%	92.1%	985-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	142 (65)	
N9MSB0801716B	80,000	92.1%	92.1%	760-1555	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (69)	
N9MSB0802120C	80,000	92.1%	92.1%	865-1885	35 x 21 x 29-1/2 (889 x 533 x 750)	159 (72)	
N9MSB1002116C	100,000	92.1%	92.1%	890-1490	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (76)	
N9MSB1002120C	100,000	92.1%	92.1%	1475-1970	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (76)	
N9MSB1202420C	120,000	92.1%	92.1%	1450-2050	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	184 (84)	

92.1% AFUE, SINGLE STAGE, GAS FURNACE

EASIER TO SELL

- 92.1% AFUE, all models all positions, California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for manufactured housing/mobile home applications with accessory (order separately)

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal, electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly



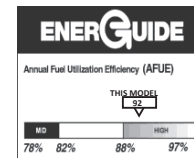
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WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
 This furnace is not designed for use in recreation vehicles or outdoors. This furnace is designed for use in manufactured (Mobile) homes when an optional Mobile Home accessory kit is installed.
 Failure to follow this warning could result in personal injury, death, and/or property damage.



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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency AFUE		Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Shipping Weight lbs (kg)	Price
		Upflow/H z	Down-flow				
R9MSB0601716B	60,000	92.1%	92.1%	985-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	142 (65)	
R9MSB0801716A	80,000	92.1%	92.1%	760-1555	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (69)	
R9MSB1002120B	100,000	92.1%	92.1%	1475-1970	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (76)	
R9MSB1202420B	120,000	92.1%	92.1%	1450-2050	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	184 (84)	

80% VARIABLE SPEED, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Series 'B' approved for Twinning applications (0902116, 1002122, and 1352422) with accessory (order separately)
- Supports two-stage cooling units
- Observer® Communicating Control System
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- California NOx approved

TOUGHER

- Variable speed ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



TSTAT0201CW
Recommended
(sold separately)



Illustrations and photographs are only representative. Some Product models may vary.

WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
Failure to follow this warning could result in personal injury, death, and/or property damage.
This furnace is not designed for use in recreation vehicles, manufactured (mobile) homes or outdoors.
Failure to follow this warning could result in personal injury, death, and/or property damage.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA						
Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
G8MVL0451412B	44,000	80%	410-1175	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
G8MVL0701716B	66,000	80%	805-1685	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	126 (57)	
G8MVL0902116B	88,000	80%	725-1770	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	146 (66)	
G8MVL1102122B	110,000	80%	700-2230	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
G8MVL1352422B	132,000	80%	920-2290	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	

80% VARIABLE SPEED, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Series 'B' approved for Twinning applications (0902116, 1002122, and 1352422) with accessory (order separately)
- Supports two-stage cooling units
- Observer® Communicating Control System
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- California NOx approved

TOUGHER

- Variable speed ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



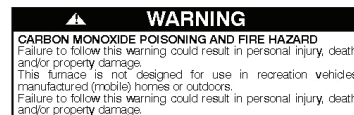
TSTAT0201CW
Recommended
(sold separately)



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Some Product models may vary.



Use of the AHR Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahrdirectory.org.



UNIT PERFORMANCE DATA						
Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
F8MVL0451412B	44,000	80%	410-1175	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
F8MVL0701716B	66,000	80%	805-1685	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	126 (57)	
F8MVL0902116B	88,000	80%	725-1770	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	146 (66)	
F8MVL1102122B	110,000	80%	700-2230	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
F8MVL1352422B	132,000	80%	920-2290	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	

80% TWO-STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Supports two-stage cooling units
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Blower compartment insulated

EASY TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with Propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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WARNING

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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
G8MTL0451412A	44,000	80%	745-1175	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (52)	
G8MTL0701412A	66,000	80%	670-1240	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)	
G8MTL0901714A	88,000	80%	1065-1385	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)	
G8MTL1102122A	110,000	80%	1180-2235	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	

80% TWO-STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Supports two-stage cooling units
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Blower compartment insulated

EASY TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with Propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)
F8MTL0451412A	44,000	80%	745-1175	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (52)
F8MTL0701412A	66,000	80%	670-1240	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)
F8MTL0901714A	88,000	80%	1065-1385	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)
F8MTL1102122A	110,000	80%	1180-2235	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)

80% SINGLE STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- N8MXL model California NOx approved
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193

TOUGHER

- ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- In-shot burners

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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WARNING

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UNIT PERFORMANCE DATA

Model	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
N8MXL0451412A	44,000	80%	415-1080	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	104 (47)	
N8MXL0701712A	66,000	80%	385-1005	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
N8MXL0701716A	66,000	80%	875-1435	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
N8MXL0901714A	66,000	80%	750-1210	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)	
N8MXL0902116A	88,000	80%	845-1445	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
N8MXL0902120A	88,000	80%	915-1980	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
N8MXL1102120A	110,000	80%	990-2040	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
N8MXL1352420A	132,000	80%	1025-1810	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	

N8MSN, N8MSL

80% SINGLE STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- N8MSL model California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- In-shot burners

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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WARNING

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UNIT PERFORMANCE DATA

Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
N8MSN0451408A	44,000	80%	580-835	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
N8MSN0451412A	44,000	80%	1040-1160	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
N8MSN0701408A	66,000	80%	595-870	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	111 (50)	
N8MSN0701412A	66,000	80%	1050-1200	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)	
N8MSN0701716A	66,000	80%	1240-1505	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
N8MSN0901714B	88,000	80%	1065-1385	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)	
N8MSN0902116A	88,000	80%	1375-1635	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
N8MSN0902120A	88,000	80%	1715-2025	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	

continued on next page

N8MSN, N8MSL (continued)

UNIT PERFORMANCE DATA						
Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
N8MSN1101712A	110,000	80%	1155-1355	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	135 (61)	
N8MSN1102116A	110,000	80%	1310-1655	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
N8MSN1102122A	110,000	80%	1650-2205	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
N8MSN1352116A	132,000	80%	1380-1710	33-1/3 x 21 x 29 (847 x 533 x 737)	149 (68)	
N8MSN1352422A	132,000	80%	1705-2160	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	
N8MSN1552420A	154,000	80%	1695-2215	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	170 (77)	
LOW NOx MODELS						
N8MSL0451408A	44,000	80%	580-835	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
N8MSL0451412A	44,000	80%	1040-1160	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
N8MSL0701408A	66,000	80%	595-870	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	111 (50)	
N8MSL0701412A	66,000	80%	1050-1200	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)	
N8MSL0701716A	66,000	80%	1240-1505	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
N8MSL0901714B	88,000	80%	1065-1385	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)	
N8MSL0902116A	88,000	80%	1375-1635	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
N8MSL0902120A	88,000	80%	1715-2025	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
N8MSL1101712A	110,000	80%	1155-1355	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	135 (61)	
N8MSL1102116A	110,000	80%	1310-1655	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
N8MSL1102122A	110,000	80%	1650-2205	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
N8MSL1352116A	132,000	80%	1380-1710	33-1/3 x 21 x 29 (847 x 533 x 737)	149 (68)	
N8MSL1352422A	132,000	80%	1705-2160	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	
N8MSL1552420A	154,000	80%	1695-2215	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	170 (77)	

R8MXL

80% SINGLE STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- R8MXL model California NOx approved
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193

TOUGHER

- ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- In-shot burners

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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WARNING

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UNIT PERFORMANCE DATA

Model	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
R8MXL0451412A	44,000	80%	415-1080	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	104 (47)	
R8MXL0701712A	66,000	80%	385-1005	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
R8MXL0701716A	66,000	80%	875-1435	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)	
R8MXL0901714A	66,000	80%	750-1210	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)	
R8MXL0902116A	88,000	80%	845-1445	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
R8MXL0902120A	88,000	80%	915-1980	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
R8MXL1102120A	110,000	80%	990-2040	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
R8MXL1352420A	132,000	80%	1025-1810	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)	

R8MSN, R8MSL

80% SINGLE STAGE GAS FURNACE

EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- R8MSL model California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

- In-shot burners

EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly



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R8MSN0451412A	44,000	80%	1040-1160	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
R8MSN0701412A	66,000	80%	1050-1200	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)	
R8MSN0902120A	88,000	80%	1715-2025	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
R8MSN1102122A	110,000	80%	1650-2205	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	
LOW NOx						
R8MSL0451412A	44,000	80%	1040-1160	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)	
R8MSL0701412A	66,000	80%	1050-1200	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)	
R8MSL0902120A	88,000	80%	1715-2025	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
R8MSL1102122A	110,000	80%	1650-2205	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)	

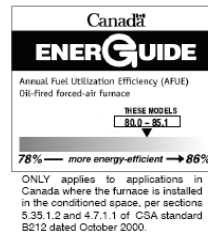
MULTI-POSITION, VARIABLE SPEED OIL FURNACE

FEATURES

- Stainless steel construction with heavy gauge heat exchanger quickly transfers heat to the ambient air
- High efficiency ECM variable speed motor, with constant airflow, delivers the right amount of air for improved comfort and great savings
- Dehumidification with variable speed ECM motor allows modulation of blower speed to better extract humidity
- Sound attenuator, integrated inside secondary heat exchanger. High density acoustic wool dampens combustion sound.
- High static pressure Riello F40 burner coupled with electric air-damper
- Multi-position, true four way multipoise unit that opens-up installation possibilities
- External inspection port/clean outs for easy access and sealed from blower compartment, adjust combustion parameters and perform inspections easily with this sealed, spring-loaded access port
- Approved for chimney vent only
- High quality finish with high gloss baked electrostatic paint
- Efficient AFUE up to 86.8% Canada, 85.7% US
- Front flue (breach)
- Shipped complete with burner installed, barometric draft regulator supplied, external filter rack



Illustrations and photographs are only representative. Some Product models may vary.



UNIT PERFORMANCE DATA

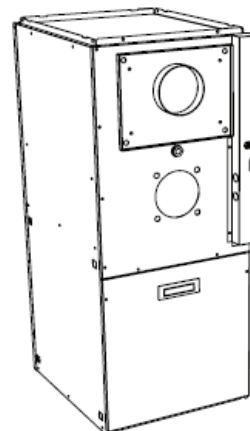
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
NOMV106D12	70,000-105,000	82.4-83.2	81.6-82.3	3 TON	48-3/4 x 20 x 35 (1238 x 508 x 889)	221 (100)	
NOMV156E19	119,000-154,000	85.5-86.8	84.3-85.7	5 TON	48-3/4 x 20 x 36 (1346 x 508 x 1003)	270 (122)	

† Depth with the burner

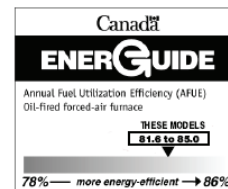
HI-BOY MULTI-POSITION, VARIABLE SPEED OIL FURNACE

FEATURES

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-position, four way multipoise unit that opens-up installation possibilities
- Low profile - OMV098 is 40-3/4 inches (1035 mm) high, OMV112 is 41-1/2 inches (1054mm) high, OMF154 is 47-7/8 inches (1216mm) high
- Sound attenuator, integrated inside secondary heat exchanger. High density acoustic wool dampens combustion sound.
- Variable speed blower ECM motor that provides true constant CFM capabilities
- Dehumidification with variable speed ECM motor allows modulation of blower speed to better extract humidity
- Choice of high static pressure oil burners: Beckett AFG & NX, Riello 40 (Burners must be ordered separately)
- Inspection port/clean outs external for easy access and sealed, adjust combustion parameters and simplify inspections parameters and perform inspections easily with this sealed, spring-loaded access port
- Approved for chimney vent and sealed combustion installations
- High quality, high gloss baked finish
- Efficient AFUE up to 86.7% Canada, 86.3% US
- Front flue (breach)



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.



UNIT PERFORMANCE DATA							
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OMV098J12B	70,000-98,000	81.9 - 85.0‡	81.9 - 85.0‡	3 TON	40-3/4 x 16-7/8 x 21-1/2 (1035 x 429 x 546)	125 (57)	
OMV112K14A	95,200-112,000	85.0‡ - 85.5‡	85.0‡ - 85.2‡	3.5 TON	41-1/2 x 21-3/4 x 25-3/4 (1054 x 553 x 654)	153 (70)	
OMV154L20A	126,000-154,000	85.3‡-86.7‡	85.0‡-86.3‡	5.0 Tons	47-7/8 x 28-1/2 x 25 (1216 x 724 x 635)	200 (90)	

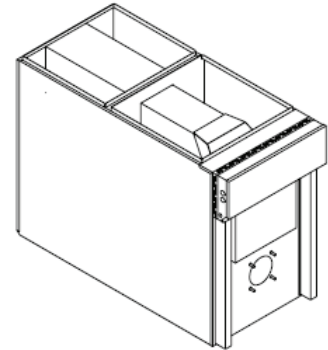
‡ Meets EnergyStar Guidelines (Only specific firing rates meet the ENERGY STAR® guidelines).

† Depth without the burner

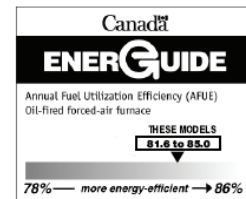
LO-BOY VARIABLE MOTOR OIL FURNACE

FEATURES

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Variable speed ECM motor that provides true constant CFM capabilities
- Fan control switch for continuous operation
- Easy access control panel
- Low profile OLV098 is 33-3/4 (857mm) high, OLV112 is 33-3/4 (857mm) high, OLV154 is 39-1/4 inches (997mm) high
- Sound attenuator, high density acoustic wool dampens combustion sound
- Choice of high efficiency, high static pressure oil burners Riello or Beckett AFG & NX burners (Burners ordered and shipped separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Accessories included, barometric draft regulator, internal filter rack and air filter
- High quality, high glass baked finish
- Efficient AFUE up to 88.1% Canada, 87.5% US
- Approved for chimney vent and sealed combustion installations



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.



UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OLV098A12A	70,000-98,000	85.4 ‡- 87.9 ‡	85.0 ‡- 86.9 ‡	3 TON	33-3/4 x 21 x 47 (857 x 533 x 1194)	175 (80)	
OLV112A16A	81,100-112,000	86.4 ‡- 88.1 ‡	85.9 ‡- 87.2 ‡	4 TON	33-3/4 x 21 x 48 (857 x 533 x 1219)	195 (89)	
OLV154F20A	107,700-154,000	86.1 ‡- 87.7 ‡	85.5 ‡- 87.5 ‡	5 TON	39-1/4 x 24 7/8 x 52 (997 x 632 x 1320)	270 (122.5)	

‡ Meets EnergyStar Guidelines

† Depth without the burner

NOMF Riello Burner

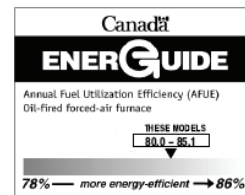
MULTI-POSITION OIL FURNACE

FEATURES

- Fan control switch for continuous speed
- Accessory terminals prewired for easy add-on electronic air cleaner and power humidifier
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Test ports factory installed to provide efficient access for set-up and service
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 2" (51mm) clearance to combustibles for tight installations
- Stainless steel primary heat exchanger
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney applications ONLY
- Efficient AFUE up to 86.6% Canada, 84.7% US
- Front flue (breach)
- Shipped complete with vestibule, barometric damper, burners and nozzles are installed
- Filters and filter rack included



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

UNIT PERFORMANCE DATA

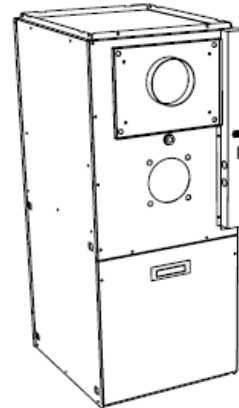
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
NOMF106D12C	70,000-105,000	82.9-83.8	81.5-82.6	3 TON	48-3/4 x 20 x 35 (1238 x 508 x 889)	221 (100)	
NOMF156E19C	119,000-154,000	85.4-86.6	83.8-84.7	5 TON	53 x 20 x 39-1/2 (1346 x 508 x 1003)	270 (122)	

† Depth with the burner

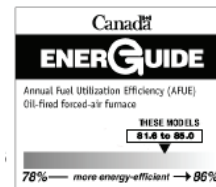
HI-BOY MULTI-POSITION OIL FURNACE

FEATURES

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-position, four way multipoise unit that opens-up installation possibilities
- Low profile - OMF098 is 40-3/4 inches (1035 mm) high, OMF112 is 41-1/2 inches (1054mm) high, OMF154 is 47-7/8 inches (1216mm) high
- Sound attenuator, integrated inside secondary heat exchanger
- High density acoustic wool dampens combustion sound
- Choice of high static pressure oil burners:
Beckett AFG & NX, Riello 40 (Burners must be ordered separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Approved for chimney vent and sealed combustion installations
- High quality, high gloss baked finish
- Efficient AFUE up to 87.0% Canada, 86.4% US
- Front flue (breach)



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OMF098J10B	70,000-98,000	84.0-87.0‡	83.3-86.4‡	2.5 TON	40-3/4 x 16-7/8 x 21-1/2 (1035 x 429 x 546)	125 (57)	
OMF112K14A	95,200-112,000	85.5‡ - 87.1‡	84.4‡ - 85.8‡	3.5 TON	41-1/2 x 21-3/4 x 25-3/4 (1054 x 553 x 654)	153 (70)	
OMF154L20A	126,000-154,000	85.3‡-87.0‡	85.0‡-86.1‡	5.0 Tons	47-7/8 x 28-1/2 x 25 (1216 x 724 x 635)	200 (90)	

‡ Meets EnergyStar Guidelines (Only specific firing rates meet the ENERGY STAR® guidelines).

† Depth without the burner

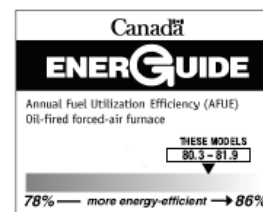
LO-BOY OIL FURNACE

FEATURES

- Fan control switch for continuous speed
- Accessory terminals prewired for easy add-on electronic air cleaner and power humidifier.
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- High efficiency Beckett burners
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 1" (25mm) clearance to combustibles for tight installations
- Ceramic combustion chamber withstands temperature of 2600° F (1427° C) with unique self aligning design
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney applications ONLY
- Efficient AFUE up to 85.9% Canada, 86.0% US
- Front flue (breach)
- Shipped complete with vestibule, barometric damper, burners and nozzles are installed



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.



UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
NOLF105A12D	70,000-105,000	82.9-85.9	79.6-86.0	1.5 - 3 TON	32 x 21 x 53-1/4 (813 x 533 x 1352)	207 (94)	

† Depth with the burner

LO-BOY UPFLOW OIL FURNACE

Note: Only available in Canada

FEATURES

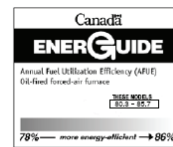
- Fan control switch for continuous fan operation
- Accessory terminals prewired for easy add-on electronic air cleaner and power humidifier
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port (some models only)
- Furnaces available with your choice of high efficiency Riello or Beckett burners (Burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 1" (25mm) clearance to combustibles for tight installations
- Ceramic combustion chamber withstands temperature of 2600° F (1427° C) with unique self aligning design
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney or some direct vent applications with accessories
- Efficient AFUE up to 85.7% Canada, 85.1% US
- OLF - Front flue (breach)
- OLR - Rear flue (breach)



Illustrations and photographs are only representative. Some Product models may vary.



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CGA standard B212 dated October 2000.

UNIT PERFORMANCE DATA

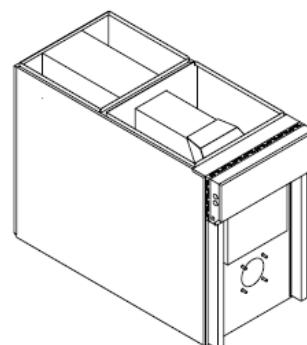
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OLR105A12D	70,000-105,000	83.7-86.8	80.5-85.7	1.5 - 3 TON	32 x 21 x 43.4 (813 x 533 x 1102)	200 (91)	
OLF105A12C	70,000-105,000	81.9-85.9	78.7-86.0	1.5 - 3 TON	32 x 21 x 43.4 (813 x 533 x 1102)	207 (94)	
OLR160B20C	119,000-159,600	80.4-85.1	78.7-83.1	1.5 - 5 TON	40 x 25 x 51.4 (1016 x 635 x 1306)	235 (107)	

† Depth without the burner

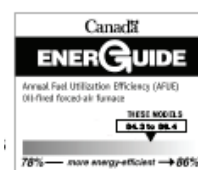
LO-BOY UPFLOW OIL FURNACE

FEATURES

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-speed direct drive motors permanently lubricated for long life performance
- Easy access control panel
- Low profile OLR098 is 33-3/4 (857mm) high, OLR112 is 33-3/4 (857mm) high, OLR154 is 39-1/4 inches (997mm) high
- Sound attenuator, high density acoustic wool dampens combustion sound
- Choice of high static pressure oil burners: Beckett AFG & NX, Riello 40 (Burners must be ordered separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Accessories included, barometric draft regulator, internal filter rack and air filter
- High quality, high gloss baked finish
- Efficient AFUE up to 87.0% Canada, 86.4% US
- Approved for chimney vent and sealed combustion installations



Illustrations and photographs are only representative. Some Product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard C212 dated October 2000.

UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OLR098A12A	77,000-98,000	85.4 ‡-87.9 ‡	85.0 ‡-86.9 ‡	3 TON	33-3/4 x 21 x 47 (857 x 533 x 1194)	175 (79)	
OLR112A16A	95,200-112,000	86.4 ‡-88.1 ‡	85.9 ‡-87.2 ‡	4 TON	33-3/4 x 21 x 48 (857 x 533 x 1219)	195 (89)	
OLR154F20A	126,000-154,000	86.1 ‡-87.7 ‡	85.5 ‡-87.5 ‡	5 TON	39-1/4 x 24 7/8 x 52 (997 x 632 x 1320)	270 (122.5)	

‡ Meets EnergyStar Guidelines

† Depth without the burner

HI-BOY UPFLOW OIL FURNACE

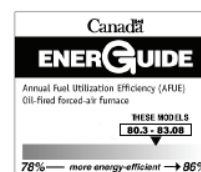
Note: Only available in Canada

FEATURES

- Fan control switch for continuous low speed
- Accessory terminals prewired for easy add-on electronic air cleaner and power humidifier
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces available with your choice of high efficiency Riello or Beckett burners (Burners ordered and shipped separately)
- Test ports factory installed to provide efficient access for set-up and service
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 1" (25mm) clearance to combustibles for tight installations
- Ceramic combustion chamber withstands temperature of 2600° F (1427° C) with unique self aligning design
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney or direct vent applications
- Efficient AFUE up to 86.1% Canada, 84.8% US
- Front flue (breach)



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ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

UNIT PERFORMANCE DATA							
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OUF105A12C	70,000-105,000	80.9-86.1	79.4-84.8	2 - 3 TON	48 x 21 x 23.4 (1219 x 533 x 594)	200 (91)	
OUF160B18C	119,000-159,600	81.3-85.4	80.0-84.3	3.5 - 5 TON	58-1/4 x 25 x 27.4 (1480 x 635 x 696)	248 (112)	

† Depth without the burner

LO-BOY OIL FURNACE

Note: Only available in Canada

FEATURES

- Fan control switch for continuous low speed
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces are available with your choice of high efficiency Riello or Beckett burners (Burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Efficient AFUE up to 86.7% Canada, 85.4% US
- OLR - Rear flue (breech)



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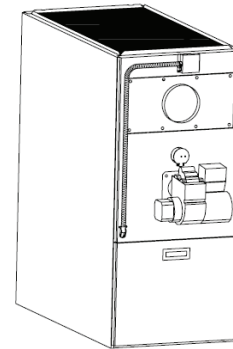
UNIT PERFORMANCE DATA							
Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OLR210F19C	168,000-210,000	84.6-86.7	83.1-85.4	5 TON	36-1/2 x 20-1/4 x 50-5/8 (918 x 533 x 1286)	240 (109)	

† Depth without the burner

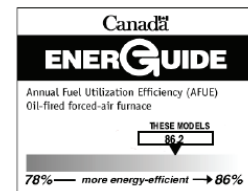
UPFLOW/HORIZONTAL OIL FURNACE

FEATURES

- Fan control switch for continuous speed
 - Large external front clean out for easy cleaning
 - Clean out sealed from blower compartment (no soot to spread)
 - Easy access control panel
 - Sight glass/view port
 - Furnaces available with your choice of high efficiency Riello or Beckett burners (Burners ordered and shipped separately)
 - Easy access heat exchanger manufactured from heavy gauge steel
 - Multi-speed direct drive motors permanently lubricated for long life performance
 - Heavy-duty insulated cabinet for quiet operation
 - Precision balanced blower ensures quiet, efficient air distribution
 - Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
 - Approved chimney vent applications
 - Efficient AFUE up to 86.3% Canada, 85.0% US
 - Air conditioning ready
 - Front flue (breach)
- * For owner-occupied residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



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UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Cooling Capacity @ .5 in wc (125 Pa)	Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US				
OTF210G21B	168,000-210,000	84.4-86.3	82.9-85.0	5 TON	52-3/4 x 24-1/4 x 34 (1340 x 616 x 864)	250 (113)	

† Depth without the burner

LO-BOY UPFLOW OIL FURNACE

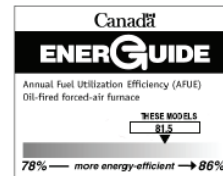
Note: Only available in Canada

FEATURES

- Fan control switch for continuous speed
- Large external rear clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces available with your choice of high efficiency
Riello or Beckett burners (Burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Efficient AFUE up to 81.5%
- Not air conditioning ready
- Rear flue (breach)



Illustrations and photographs are only representative. Some Product models may vary.



UNIT PERFORMANCE DATA

Model Number	Input (MBTUH)	Efficiency AFUE		Height x Width x Depth† in (mm)	Operating Weight lbs (kg)	Notes
		CANADA	US			
OLR350H28B	245,000 - 350,800	81.5	81.5	46-7/8 x 26 x 66-7/8 (1191 x 660 x 1699)	400 (181)	

† Depth without the burner

SMALL PACKAGE PRODUCTS SINGLE PHASE

PGR5

UP to 16 SEER, UP to 12.5 EER PACKAGE GAS/ELECTRIC, 2 to 5 TONS
208/230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard
- Two stage scroll compressors standard on all models
- Two stage gas valve and two speed inducer motor on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Induced-draft combustion and venting
- High efficiency ECM indoor blower motor on all models
- Pre-painted steel cabinet
- Direct spark ignition
- Stainless steel tubular heat exchanger standard
- Vertical condenser fan discharge
- Full perimeter steel base rails
- Crankcase heaters on select models
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 5 year No Hassle Replacement limited warranty
- 10 year parts limited warranty (including compressor and coils) and lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty and 20 year heat exchanger limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions



As an Energy Star® Partner, International Comfort Products, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Use of the AHRF Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA								
Model Number	COOLING			HEATING		Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight lbs (kg)	Notes
	Net Capacity BTU/h High / Low	SEER	EER	Input BTU/h	Efficiency AFUE %			
PGR524040KGP*	23,000	15.00	12.00	40,000/26,000	81.00	44-1/8 x 47 x 31-7/16 (1121 x 1194 x 799)	342 (155)	
PGR524060KGP*	23,000	15.00	12.00	60,000/39,000	81.00		342 (155)	
PGR530040KGP*	29,000	15.00	12.00	40,000/26,000	81.00	44-1/8 x 47 x 31-7/16 (1121 x 1194 x 799)	376 (170)	
PGR530060KGP*	29,000	15.00	12.00	60,000/39,000	81.00		376 (170)	
PGR536060KGP*	35,400	16.00	12.50	60,000/39,000	81.00	44-3/4 x 47 x 42-15/16 (1137 x 1194 x 1091)	463 (210)	
PGR536090KGP*	35,400	16.00	12.50	90,000/58,500	81.00		463 (210)	
PGR542060KGP*	42,000	16.00	12.50	60,000/39,000	81.00	44-3/4 x 47 x 42-15/16 (1137 x 1194 x 1091)	463 (210)	
PGR542090KGP*	42,000	16.00	12.50	90,000/58,500	81.00		463 (210)	
PGR548090KGP*	47,500	16.00	12.30	90,000/58,500	81.00		481 (218)	
PGR548115KGP*	47,500	16.00	12.30	115,000/75,000	81.00	50-3/4 x 47 x 42-15/16 (1289 x 1194 x 1091)	481 (218)	
PGR548130KGP*	47,500	16.00	12.30	127,000/84,500	81.00		481 (218)	
PGR560090KGP*	57,000	16.00	12.30	90,000/58,500	81.00		509 (231)	
PGR560115KGP*	57,000	16.00	12.30	115,000/75,000	81.00	52-3/4 x 47 x 42-15/16 (1340 x 1194 x 1091)	509 (231)	
PGR560130KGP*	57,000	16.00	12.30	127,000/84,500	81.00		509 (231)	

* - 0 = Standard, 1 = Low NOx

Up to 14.5 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TON: Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles on all models
- Tin-coated copper evaporator coil standard
- Induced-draft combustion and venting
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Stainless steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 3 year No Hassle Replacement limited warranty
 - 10 year parts limited warranty (including compressor and coils) with timely registration
 - 5 year parts limited warranty and 20 year heat exchanger limited warranty if not registered within 90 days of original installation
- * See warranty certificate for complete details and restrictions



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



As an Energy Star® Partner, International Comfort Products, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

UNIT PERFORMANCE DATA								
Model Number	Cooling			Heating		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
PGS424040KGP*D	23,600	14.5	12.0	40,000	81.0	42-1/8 x 48-3/16 x 32-5/8 (1070 x 1224 x 829)	330 (149)	
PGS424060KGP*D	23,600	14.5	12.0	60,000	81.0		330 (149)	
PGS430040KGP*D	28,600	14.5	12.0	40,000	81.0	44-1/8 x 48-3/16 x 32-5/8 (1121 x 1224 x 829)	342 (155)	
PGS430060KGP*D	28,600	14.5	12.0	60,000	81.0		342 (155)	
PGS436060KGP*D	34,200	14.5	12.0	60,000	81.0	46-1/8 x 48-3/16 x 32-5/8 1172 x 1224 x 829)	376 (170)	
PGS436090KGP*D	34,200	14.5	12.0	90,000	81.0		376 (170)	
PGS442060KGP*D	41,000	14.5	12.0	60,000	81.0	44-3/4 x 48-3/16 x 44-1/8 (1137 x 1224 x 1123)	463 (210)	
PGS442090KGP*D	41,000	14.5	12.0	90,000	81.0		463 (210)	
PGS448090KGP*D	47,000	14.2	12.0	90,000	81.0	48-3/4 x 48-3/16 x 44-1/8 (1238 x 1224 x 1123)	481 (218)	
PGS448115KGP*D	47,000	14.2	12.0	115,000	81.0		481 (218)	
PGS448130KGP*D	47,000	14.2	12.0	127,000	81.0		481 (218)	
PGS460090KGP*D	57,000	14.2	12.0	90,000	81.0	52-3/4 x 48-3/16 x 44-1/8 (1368 x 1224 x 1123)	509 (231)	
PGS460115KGP*D	57,000	14.2	12.0	115,000	81.0		509 (231)	
PGS460130KGP*D	57,000	14.2	12.0	127,000	81.0		509 (231)	

* - 0 = Standard, 1 = Low NOx

PGD4

Up to 14.5 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TONS

Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Wire grilles with 2 inch spacing on all models
- Induced-draft combustion and venting
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Aluminized steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 15 year heat exchanger limited warranty
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty and 15 year heat exchanger limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions



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UNIT PERFORMANCE DATA								
Model Number	Cooling			Heating		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
PGD424040K00*D	23,600	14.5	12.0	40,000	81.0	42-1/8 x 48-3/16 x 32-5/8 (1070 x 1224 x 829)	330 (149)	
PGD424060K00*D	23,600	14.5	12.0	60,000	81.0		330 (149)	
PGD430040K00*D	28,600	14.5	12.0	40,000	81.0	44-1/8 x 48-3/16 x 32-5/8 (1121 x 1224 x 829)	342 (155)	
PGD430060K00*D	28,600	14.5	12.0	60,000	81.0		342 (155)	
PGD436060K00*D	34,200	14.5	12.0	60,000	81.0	46-1/8 x 48-3/16 x 32-5/8 1172 x 1224 x 829)	376 (170)	
PGD436090K00*D	34,200	14.5	12.0	90,000	81.0		376 (170)	
PGD442060K00*D	41,000	14.5	12.0	60,000	81.0	44-3/4 x 48-3/16 x 44-1/8 (1137 x 1224 x 1123)	463 (210)	
PGD442090K00*D	41,000	14.5	12.0	90,000	81.0		463 (210)	
PGD448090K00*D	47,000	14.2	12.0	90,000	81.0	48-3/4 x 48-3/16 x 44-1/8 (1238 x 1224 x 1123)	481 (218)	
PGD448115K00*D	47,000	14.2	12.0	115,000	81.0		481 (218)	
PGD448130K00*D	47,000	14.2	12.0	127,000	81.0		481 (218)	
PGD460090K00*D	57,000	14.2	12.0	90,000	81.0	52-3/4 x 48-3/16 x 44-1/8 (1368 x 1224 x 1123)	509 (231)	
PGD460115K00*D	57,000	14.2	12.0	115,000	81.0		509 (231)	
PGD460130K00*D	57,000	14.2	12.0	127,000	81.0		509 (231)	

* - 0 = Standard, 1 = Low NOx

Up to 14.5 SEER PACKAGE DUAL FUEL HEAT PUMP, 2 to 5 TON¹ 208/230-1-60, Single Phase

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating, heat pump heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Factory installed tin-coated copper evaporator main tubes (GP)
- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (GC)
(Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Hail guard (3/8" spacing) wire grilles standard all models
- Pre-painted steel cabinet
- Induced-draft combustion and venting
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Stainless Steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 3 year No Hassle Replacement limited warranty
- 10 year parts limited warranty (including compressor and coils) with timely registration and lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty and 20 year heat exchanger limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA

Stainless Steel Heat Exchanger	Capacity BTU/h	SEER	EER	Capacity BTU/h	HSPF	Input BTU/h	Efficiency AFUE %	Unit Dimensions Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
PDS424040KGP*E	23,000	14.5	12.0	22,600	8.0	40,000	81.0	47-3/4 x 48-3/16 x 32-5/8 (1213 x 1 224 x 829)	311 (141)	
PDS424060KGP*E	23,000	14.5	12.0	22,600	8.0	60,000	81.0		311 (141)	
PDS430040KGC*E	28,600	14.0	11.5	28,400	8.0	40,000	81.0	51-3/4 x 48-3/16 x 32-5/8 (1315 x 1 224 x 829)	351 (159)	
PDS430040KGP*E	28,600	14.0	11.5	28,400	8.0	40,000	81.0		351 (159)	
PDS430060KGC*E	28,600	14.0	11.5	28,400	8.0	60,000	81.0		351 (159)	
PDS430060KGP*E	28,600	14.0	11.5	28,400	8.0	60,000	81.0		351 (159)	

* - 0 = Standard, 1 = Low Nox

Continued on next page

Up to 14.5 SEER PACKAGE DUAL FUEL HEAT PUMP, 2 to 5 TONS

208/230-1-60, Single Phase

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating, heat pump heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Wire grilles with 2 inch spacing on all models
- Pre-painted steel cabinet
- Induced-draft combustion and venting
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Aluminized steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 15 year heat exchanger limited warranty
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA										
Aluminized Steel Heat Exchanger	Capacity BTU/h	SEER	EER	Capacity BTU/h	HSPF	Input BTU/h	Efficiency AFUE %	Unit Dimensions Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
PDD424040K00*E	23,000	14.5	12.0	22,600	8.0	40,000	81.0	47-3/4 x 48-3/16 x 32-5/8 (1213 x 1224 x 829)	311 (141)	
PDD424060K00*E	23,000	14.5	12.0	22,600	8.0	60,000	81.0		311 (141)	
PDD430040K00*E	28,600	14.0	14.0	28,400	8.0	40,000	81.0	51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)	351 (159)	
PDD430060K00*E	28,600	14.0	14.0	28,400	8.0	60,000	81.0		351 (159)	
PDD436060K00*E	34,200	14.0	11.5	34,400	8.0	60,000	81.0	48-3/4 x 48-3/16 x 44-1/8 (1238 x 1224 x 1122)	387 (176)	
PDD436090K00*E	34,200	14.0	11.5	34,400	8.0	90,000	81.0		387 (176)	
PDD442060K00*E	41,000	14.0	11.5	40,000	8.0	60,000	81.0	54-3/4 x 48-3/16 x 44-1/8 (1391 x 1224 x 1122)	435 (197)	
PDD442090K00*E	41,000	14.0	11.5	40,000	8.0	90,000	81.0		435 (197)	
PDD448090K00*E	48,000	14.0	12.0	46,000	8.0	90,000	81.0	54-3/4 x 48-3/16 x 44-1/8 (1391 x 1224 x 1122)	456 (207)	
PDD448115K00*E	48,000	14.0	12.0	46,000	8.0	115,000	81.0		456 (207)	
PDD448130K00*E	48,000	14.0	12.0	46,000	8.0	130,000	81.0		456 (207)	
PDD460090K00*E	57,500	14.0	11.5	57,500	8.0	90,000	81.0	48-3/4 x 48-3/16 x 44-1/8 (1238 x 1224 x 1122)	487 (221)	
PDD460115K00*E	57,500	14.0	11.5	57,500	8.0	115,000	81.0		487 (221)	
PDD460130K00*E	57,500	14.0	11.5	57,500	8.0	130,000	81.0		487 (221)	

* - 0 = Standard, 1 = Low Nox

**Up to 16 SEER, Up to 12.5 EER, PACKAGE AIR CONDITIONER,
2 to 5 TONS
208/230 Volt, 1-phase, 60 Hz**

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard
- Dehumidification mode (airflow reduction) on all models
- Enhanced dehumidification feature on high stage cooling with use of a dehumidistat
- Two stage scroll compressors standard on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

WARRANTY*

- 5 year No Hassle Replacement limited warranty for models with tin-coated copper evaporator coil.
- 5 year parts limited warranty (including compressor and coils)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications



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As an Energy Star® Partner, International Comfort Products, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



UNIT PERFORMANCE DATA							
Model Number	COOLING				Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight lbs / kg	Notes
	Net Capacity BTU/h High Stage	Standard CFM High / Low Stage	S.E.E.R	E.E.R.			
PAR524000K000A1	23000	800/600	15.00	12.00	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	327/148	
PAR524000KTP0A1	23000	800/600	15.00	12.00		327/148	
PAR530000K000A1	29000	100/750	15.00	12.00	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	334/152	
PAR530000KTP0A1	29000	100/750	15.00	12.00		334/152	
PAR536000K000A1	35400	1200/900	16.00	12.50	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	389/176	
PAR536000KTP0A1	35400	1200/900	16.00	12.50		389/176	
PAR542000K000A1	42000	1400/1050	16.00	12.50	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	392/178	
PAR542000KTP0A1	42000	1400/1050	16.00	12.50		392/178	
PAR548000K000A1	47500	1600/1200	16.00	12.30	50-3/4 x 46-13/16 x 42-15/16 (1269 x 1189 x 1091)	444/201	
PAR548000KTP0A1	47500	1600/1200	16.00	12.30		444/201	
PAR560000K000A1	57000	1750/1200	16.00	12.30	52-3/4 x 46-13/16 x 42-15/16 (1340 x 1189 x 1091)	464/211	
PAR560000KTP0A1	57000	1750/1200	16.00	12.30		464/211	

Up to 14.5 SEER, 12 EER PACKAGE AIR CONDITIONER, 2 to 5 TONS

208/230–1–60 Single Phase

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

BUILT TO LAST

- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (LC)
- Available with optional factory installed tin-coated copper evaporator coil with 3/8" spacing wire grilles standard as hail guard (TP)
All other models have 2" spacing wire grilles
(Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- High efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High pressure switch provides added reliability for the compressor

LIMITED WARRANTY*

- 3 year No Hassle Replacement™ limited warranty for tin-coated 'TP' models
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA

Model Number	COOLING			Unit Dimensions Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Capacity BTU/h	SEER	EER			
PAD424000K000E	23,000	14.00	11.50	43-3/4 x 48-3/16 x 32-5/8 (1111 x 1224 x 829)	304 (138)	
PAD424000KTP0E	23,000	14.00	11.50		304 (138)	
PAD430000K000E	28,600	14.00	11.50	45-3/4 x 48-3/16 x 32-5/8 (1162 x 1224 x 829)	336 (152)	
PAD430000KLC0E	28,600	14.00	11.50		336 (152)	
PAD430000KTP0E	28,600	14.00	11.50		336 (152)	
PAD436000K000E	34,800	14.00	11.50	51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)	349 (158)	
PAD436000KLC0E	34,800	14.00	11.50		349 (158)	
PAD436000KTP0E	34,800	14.00	11.50		349 (158)	
PAD442000K000E	40,000	14.00	11.50	44-3/4 x 48-1/4 x 44-3/16 (1137 x 1226 x 1123)	413 (187)	
PAD442000KLC0E	40,000	14.00	11.50		413 (187)	
PAD442000KTP0E	40,000	14.00	11.50		413 (187)	
PAD448000K000E	46,000	14.00	11.50	52-3/4 x 48-1/4 x 44-3/16 (1340 x 1226 x 1123)	438 (199)	
PAD448000KLC0E	46,000	14.00	11.50		438 (199)	
PAD448000KTP0E	46,000	14.00	11.50		438 (199)	
PAD460000K000E	56,000	14.00	11.50	54-3/4 x 48-1/4 x 44-3/16 (1391 x 1226 x 1123)	455 (206)	
PAD460000KLC0E	56,000	14.00	11.50		455 (206)	

**Up to 14.5 SEER, R-410A
PACKAGE AIR CONDITIONER FOR MANUFACTURED HOUSING,
RESIDENTIAL, AND LIGHT COMMERCIAL APPLICATIONS
2 - 5 TONS, Single Phase, 208/230 V, 60 Hz**



REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Liquid refrigerant filter driers
- Copper/tube/aluminum fin condenser and evaporator coils

EASY TO INSTALL AND SERVICE

- Light weight, compact construction ideal for manufactured housing and residential applications
- Hand holds built into the unit base pan
- Compact, fully self-contained, electric cooling unit with horizontal supply and return ducts
- Easy panel accessibility for maintenance and installation
- Accessory electric heaters with single point connections
- Designed to be serviced from both the side and front

BUILT TO LAST

- Vibration isolation provides quiet operation
- Compressors have internal over current protection
- Direct-drive multispeed blower motor standard on all models
- No-rust base pan with integrated drain pan standard on all units
- Durable pre-painted steel cabinet
- Louvered coil enclosure for protection against vandalism and hail damage
- Aerodynamic fan blade design reduces the overall sound
- All models available with optional factory installed tin-coated copper evaporator coil.
(These models are identified with letters TP in the 11th and 12th positions in the model number)

LIMITED WARRANTY*

- 10-year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA							
Model Number	Cooling				Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Nominal Tons	Capacity BTU/h	SEER	EER			
PAJ424000K000A	2	22,400	14	11.50	30-1/8 x 51 x 32 (765 x 1295 x 813)	230 (104)	
PAJ424000KTP0A							
PAJ430000K000A	2.50	28,600	14	11.50		249 (113)	
PAJ430000KTP0A							
PAJ436000K000A	3	35,000	14	11.50		272 (123)	
PAJ436000KTP0A							
PAJ442000K000A	3.50	41,000	14.50	11.50	34-1/8 x 51 x 32 (867 x 1295 x 813)	275 (125)	
PAJ442000KTP0A							
PAJ448000K000A	4	47,000	14	11.50	42-1/8 x 51 x 32 (1070 x 1295 x 813)	318 (144)	
PAJ448000KTP0A							
PAJ460000K000A	5	54,000	14	11.30		344 (156)	
PAJ460000KTP0A							

**UP to 15.5 SEER, UP to 12.5 EER, Up to 8.5 HSPF,
PACKAGE HEAT PUMP UNITS, 2 – 5 TONS
208/230 Volt, 1–phase, 60 Hz**

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard
- Enhanced dehumidification feature on high stage cooling with use of a dehumidistat
- Two stage scroll compressors standard on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor



As an Energy Star® Partner, International Comfort Products, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



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UNIT PERFORMANCE DATA									
Model Number	COOLING				HSPF	COP	Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight lbs / kg	Notes
	Net Capacity BTU/h High Stage	Standard CFM High / Low Stage	SEER	EER					
PHR524000KTP0B	22800	855/675	15.0	12.0	8.2	3.9	51-3/4 X 47 x 32-5/8 (1315 x 1194 x 829)	338/153	
PHR530000KTP0B	29400	1000/775	15.0	12.0	8.2	3.7	51-3/4 X 47 x 32-5/8 (1315 x 1194 x 829)	384/174	
PHR536000KTP0A	34000	1200/900	15.0	12.0	8.2	3.7	44-3/4 x 48-1/4 x 44-3/16 (1137 x 1226 x 1122)	413/187	
PHR542000KTP0A	42000	1400/1050	15.0	12.0	8.2	3.6	50-3/4 x 48-1/4 x 44-3/16 (1289 x 1226 x 1122)	444/201	
PHR548000KTP0A	47500	1600/1200	15.5	12.5	8.2	3.7	48-3/4 x 48-1/4 x 44-3/16 (1238 x 1226 x 1122)	447/203	
PHR560000KTP0A	57000	1750/1200	15.0	12.0	8.5	3.5	54-3/4 x 48-1/4 x 44-3/16 (1391 x 1226 x 1122)	503/228	

PHD4

Up to 14.5 SEER, 12 EER PACKAGE AIR CONDITIONER, 2 to 5 TONS

208/230–1–60 Single Phase

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Scroll compressor standard on all models
- Short-cycling protection for the compressor is built into the defrost control board
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination electric heating and cooling

BUILT TO LAST

- Factory installed optional for tin-coated copper evaporator coil with 3/8" spacing wire grilles standard as hail guard (TP)
- Factory installed option for low cabinet air leakage and factory installed tin-coated copper evaporator main tubes (LC)
(Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Direct Drive high efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

LIMITED WARRANTY*

- 3 year No Hassle Replacement™ limited warranty for tin-coated 'TP' models
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA

Model Number	COOLING			HEATING		Unit Dimensions Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Capacity BTU/h	SEER	EER	Capacity BTU/h	HSPF			
PHD424000K000F	23,000	14.5	12.5	22,600	8.0	47-3/4 x 48-3/16 x 32-5/8 (1213 x 1224 x 829)	311 (141)	
PHD424000KTP0F	23,000	14.5	12.5	22,600	8.0		311 (141)	
PHD430000K000F	28,600	14.0	11.5	28,400	8.0	51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)	351 (159)	
PHD430000KLC0F	28,600	14.0	11.5	28,400	8.0		351 (159)	
PHD430000KTP0F	28,600	14.0	11.5	28,400	8.0	48-3/4 x 48-3/16 x 44-3/16 (1137 x 1224 x 1122)	387 (176)	
PHD436000K000F	34,200	14.0	11.5	34,400	8.0		387 (176)	
PHD436000KLC0F	34,200	14.0	11.5	34,400	8.0	54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122)	435 (197)	
PHD436000KTP0F	34,200	14.0	11.5	34,400	8.0		435 (197)	
PHD442000K000F	41,000	14.0	11.5	40,000	8.0	54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122)	435 (197)	
PHD442000KLC0F	41,000	14.0	11.5	40,000	8.0		435 (197)	
PHD442000KTP0F	41,000	14.0	11.5	40,000	8.0	54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122)	456 (207)	
PHD448000K000F	48,000	14.0	12	46,000	8.0		456 (207)	
PHD448000KLC0F	48,000	14.0	12	46,000	8.0	48-3/4 x 48-3/16 x 44-3/16 (1391 x 1224 x 1122)	487 (221)	
PHD448000KTP0F	48,000	14.0	12	46,000	8.0		487 (221)	
PHD460000K000F	57,500	14.0	11.5	57,500	8.0	48-3/4 x 48-3/16 x 44-3/16 (1391 x 1224 x 1122)	487 (221)	
PHD460000KLC0F	57,500	14.0	11.5	57,500	8.0		487 (221)	
PHD460000KTP0F	57,500	14.0	11.5	57,500	8.0		487 (221)	

**Up to 14.5 SEER, R-410A
PACKAGE HEAT PUMP FOR MANUFACTURED HOUSING,
RESIDENTIAL, AND LIGHT COMMERCIAL APPLICATIONS
2 - 5 TONS, Single Phase, 208/230 V, 60 Hz**

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Compact, fully self-contained, electric cooling and heating unit with horizontal supply and return ducts
- Light weight, compact construction ideal for manufactured housing and residential applications
- Environmentally sound R-410A refrigerant
- Vibration isolation provides quiet operation
- Compressors have internal over current protection.
- Liquid refrigerant filter driers
- Hand holds built into the unit base pan
- Designed to be serviced from both the side and front
- Accessory electric heaters with single point connections
- Durable pre-painted steel cabinet
- No-rust base pan with integrated drain pan standard on all units
- Direct drive ECM multispeed blower motor on all models
- Louvered coil enclosure for protection against vandalism and hail damage
- Aerodynamic fan blade design reduces the overall sound
- All models available with optional factory installed tin-coated copper evaporator coil.



LIMITED WARRANTY*

- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation

* See warranty certificate for complete details and restrictions.



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UNIT PERFORMANCE DATA								
Model Number	Cooling			Heat Pump		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
	Net Capacity BTU/h @ 95°F(35°C)	SEER	EER	Net Capacity BTU/h @ 17°F(-8.3°C)	HSPF			
PHJ424000K000A	24,000	14.5	11.5	23,400	8.0	30-1/8 x 51 x 32	253 (115)	
PHJ424000KTP0A	24,000	14.5	11.5	23,400	8.0	(765 x 1295 x 813)	253 (115)	
PHJ430000K000A	29,800	14.5	11.5	28,600	8.0	34-1/8 x 51 x 32	283 (128)	
PHJ430000KTP0A	29,800	14.5	11.5	28,600	8.0	(867 x 1295 x 813)	283 (128)	
PHJ436000K000A	36,000	14.5	11.5	34,400	8.0	34-1/8 x 51 x 32	285 (130)	
PHJ436000KTP0A	36,000	14.5	11.5	34,400	8.0	(867 x 1295 x 813)	285 (130)	
PHJ442000K000A	42,000	14.5	11.5	40,000	8.0	42-1/8 x 51 x 32	339 (154)	
PHJ442000KTP0A	42,000	14.5	11.5	40,000	8.0	(1070 x 1295 x 813)	339 (154)	
PHJ448000K000A	46,500	14.0	11.5	45,000	8.0	42-1/8 x 51 x 32	358 (163)	
PHJ448000KTP0A	46,500	14.0	11.5	45,000	8.0	(1070 x 1295 x 813)	358 (163)	
PHJ460000K000A	55,000	14.0	11.0	56,000	8.0	42-1/8 x 51 x 32	425 (193)	
PHJ460000KTP0A	55,000	14.0	11.0	56,000	8.0	(1070 x 1295 x 813)	425 (193)	

GEOHERMAL

R-410A GEOTHERMAL PACKAGE HEAT PUMP 1.5 TO 5 TON

EASIER TO SELL

- 3.7 - 4.3 COP, 18.5 - 21.7 EER (Closed Loop)
- 4.3 - 5.2 COP, 22.7 - 28.1 EER (Open Loop)
- Optional supplemental domestic water heating
- MERV 8 with 2" filter
- Unit available in vertical upflow and horizontal
- Fully insulated cabinet with fiberglass

TOUGHER

- Single-stage scroll compressor (rotary in size 018)
- Multi-speed constant torque blower motor
- Tin plated copper tubing in air coil

EASIER TO INSTALL AND SERVICE

- Compatible with many 3 stage heat, 1 stage cooling programmable thermostats
- Microprocessor control



Illustrations and photographs are only representative.
Some product models may vary.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Qualifying models only



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/Brkr	Dimensions H x W x D (in)	Notes
HB018HELCXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HELNXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HERCXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HERNXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HSLCXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HSLNXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HSRCXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018HSRXCC1XX1	1.5	18000	12.10	15	19.75 x 22.25 x 45.25	
HB018VTLCXCC1XX1	1.5	18000	12.10	15	39.25 x 21.75 x 21.75	
HB018VTLNXCC1XX1	1.5	18000	12.10	15	39.25 x 21.75 x 21.75	
HB018VTRCXCC1XX1	1.5	18000	12.10	15	39.25 x 21.75 x 21.75	
HB018VTRNXCC1XX1	1.5	18000	12.10	15	39.25 x 21.75 x 21.75	

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Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Notes
HB024HELCDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HELCXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HELNDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HELNXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HERCDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HERCXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HERNDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HERNXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSLCDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSLCXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSLNDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSLNXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSRCDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSRCXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSRNDCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024HSRNXCC1XX1	2	24000	19.70	30	22.00 x 26.25 x 54.75	
HB024VTLCDCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTLXCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTLNDCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTLNXCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTRCDCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTRCXCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTRNDCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB024VTRNXCC1XX1	2	24000	19.70	30	47.25 x 21.75 x 26.25	
HB030HELCDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HELCXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HELNDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HELNXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HERCDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HERCXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HERNDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HERNXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSLCDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSLCXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSLNDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSLNXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSRCDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSRCXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSRNDCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030HSRNXCC1XX1	2.5	30000	20.10	30	22.00 x 30.25 x 68.25	
HB030VTLCDCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTLXCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTLNDCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTLNXCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTRCDCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTRCXCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTRNDCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	
HB030VTRNXCC1XX1	2.5	30000	20.10	30	47.25 x 24.25 x 33.50	

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Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Notes
HB036HELCDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HELXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HELNDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HELNXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HERCDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HERXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HERNDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HERNXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSLCDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSLXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSLNDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSLNXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSRCDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSRXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSRNDCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036HSRNXCC1XX1	3	36000	26.00	40	22.00 x 30.25 x 68.25	
HB036VTLCDCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTLXCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTLNDCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTLNXCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTRCDCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTRXCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTRNDCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB036VTRNXCC1XX1	3	36000	26.00	40	47.25 x 24.25 x 33.50	
HB042HELCDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HELXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HELNDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HELNXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HERCDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HERXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HERNDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HERNXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSLCDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSLXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSLNDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSLNXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSRCDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSRXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSRNDCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042HSRNXCC1XX1	3.5	42000	26.90	40	22.00 x 30.25 x 79.00	
HB042VTLCDCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTLXCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTLNDCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTLNXCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTRCDCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTRXCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTRNDCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	
HB042VTRNXCC1XX1	3.5	42000	26.90	40	58.25 x 26.25 x 33.50	

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Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Notes
HB048HELCDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HELCXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HELNDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HELNXC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HERCDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HERCXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HERNDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HERNXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSLCDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSLCXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSLNDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSLNXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSRCDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSRCXCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSRNDCC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048HSRNXC1XX1	4	48000	30.90	50	22.00 x 32.25 x 79.00	
HB048VTLCDCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTLXC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTLNDCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTLNXCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTRCDCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTRCXCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTRNDCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB048VTRNXCC1XX1	4	48000	30.90	50	58.25 x 26.25 x 33.50	
HB060HELCDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HELCXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HELNDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HELNXC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HERCDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HERCXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HERNDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HERNXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSLCDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSLCXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSLNDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSLNXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSRCDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSRCXCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSRNDCC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060HSRNXC1XX1	5	60000	38.90	60	22.00 x 30.25 x 89.25	
HB060VTLCDCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTLXC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTLNDCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTLNXCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTRCDCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTRCXCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTRNDCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	
HB060VTRNXCC1XX1	5	60000	38.90	60	66.25 x 26.25 x 33.50	

Specifications subject to change without notice.

R-410A GEOTHERMAL PACKAGE HEAT PUMP 2 TO 6 TON

EASIER TO SELL

- 3.5 - 4.0 COP, 15.5 - 24.5 EER (Closed Loop)
- 4.0 - 4.6 COP, 19.6 - 30.0 EER (Open Loop)
- 2, filter, MERV 8
- Unit available in vertical upflow, downflow and horizontal
- Compressor blanket
- Fully insulated cabinet with closed cell foam
- Optional supplemental domestic water heating
- Optional cupro-nickel heat exchanger for open loop applications

TOUGHER

- Two-stage scroll compressor
- Variable speed ECM blower motor
- Tin plated copper tubing in air coil

EASIER TO INSTALL AND SERVICE

- Compatible with many 3 stage heat, 2 stage cooling programmable thermostats
- Microprocessor control



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Qualifying models only



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/Brkr	Dimensions H x W x D (in)	Notes
HP024CBLCDT1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBLXET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBLNDET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBLNXET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBRCDET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBRCXET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBRNDET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024CBRNXET1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024HELCDT1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HELXET1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	

Continued on next page

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/Brkr	Dimensions H x W x D (in)	Notes
HP024HELND1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HELNX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HERCD1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HERCX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HERND1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HERNX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSLCD1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSLCX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSLND1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSLNX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSRCD1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSRCX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSRND1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024HSRNX1XX1	2	24000	17.40	25	21.75 x 26 x 54.50	
HP024VTLCD1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTLCX1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTLND1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTLNX1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTRCD1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTRCX1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTRND1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP024VTRNX1XX1	2	24000	17.40	25	47.25 x 21.5 x 26	
HP036CBLCD1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBLCX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBLND1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBLNX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBRC1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBRCX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBRND1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036CBRNX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036HELCD1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HELCDX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HELND1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HELNX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HERCD1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HERCDX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HERND1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HERNX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSLCD1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSLCDX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSLND1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSLNX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSRCD1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSRCDX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSRND1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036HSRNX1XX1	3	36000	23.40	35	21.75 x 26 x 54.50	
HP036VTLCD1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTLCDX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTLND1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	

Continued on next page

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/Brkr	Dimensions H x W x D (in)	Notes
HP036VTLNX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTRCD1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTRCX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTRND1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP036VTRNX1XX1	3	36000	23.40	35	47.25 x 21.5 x 26	
HP048CBLCD1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	

Specifications subject to change without notice.

HP048CBLXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBLNDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBLNXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBRCDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBRCXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBRNDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048CBRNXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048HELCDT1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HELXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HELNDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HELNXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HERCDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HERCXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HERNDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HERNXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSLCDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSLCXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSLNDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSLNXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSRCDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSRCXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSRNDET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048HSRNXET1XX1	4	48000	33.30	50	21.75 x 30 x 68.00	
HP048VTLCDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTLXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTLNDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTLNXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTRCDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTRCXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTRNDET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP048VTRNXET1XX1	4	48000	33.30	50	47.25 x 24 x 32.75	
HP060CBLCDT1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBLXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBLNDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBLNXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBRCDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBRCXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBRNDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060CBRNXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060HELCDT1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HELXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HELNDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HELNXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HERCDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	

Continued on next page

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/Brkr	Dimensions H x W x D (in)	Notes
HP060HERCXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HERNDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HERNXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSLCDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSLCXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSLNDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSLNXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSRCDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSRCXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSRNDET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060HSRNXET1XX1	5	60000	43.00	70	21.75 x 30 x 68.00	
HP060VTLCDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTLXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTLNDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	

Specifications subject to change without notice.

HP060VTLNXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTRCDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTRCXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTRNDET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP060VTRNXET1XX1	5	60000	43.00	70	51.25 x 26 x 33.25	
HP072CBLCDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBLCXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBLNDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBLNXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBRCDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBRCXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBRNDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072CBRNXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072HELCDT1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HELXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HELNDT1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HELNXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HERCDET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HERCXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HERNDET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HERNXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSLCDT1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSLCXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSLNDET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSLNXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSRCDET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSRCXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSRNDET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072HSRNXET1XX1	6	72000	46.20	70	21.75 x 30 x 78.00	
HP072VTLCDT1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTLCXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTLNDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTLNXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTRCDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTRCXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTRNDET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	
HP072VTRNXET1XX1	6	72000	46.20	70	58.25 x 26 x 33.25	

Specifications subject to change without notice.

R-410A GEOTHERMAL SPLIT HEAT PUMP 2 TO 5 TON

EASIER TO SELL

- 3.4 - 4.5 COP, 15.4 - 26.4 EER (Closed Loop)
- 3.9 - 5.1 COP, 19.2 - 30.5 EER (Open Loop)
- Compressor blanket
- Fully insulated cabinet with closed cell foam
- Optional supplemental domestic water heating

TOUGHER

- Two-stage scroll compressor
- Used with variable speed fan coil or furnace coil

EASIER TO INSTALL AND SERVICE

- Unit compatible with ICP evaporator coils
- Compatible with FVM4X Fan Coils
- Microprocessor control
- Compatible with many 3 stage heat, 2 stage cooling programmable thermostats



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Qualifying models only



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Operating (Shipping) Wt - Lbs	Notes
HS024SXXCDXX1XX1	2	24000	14.60	25	21.5 x 24 x 27.4	189 (172)	
HS024SXXCXXX1XX1	2	24000	14.60	25	21.5 x 24 x 27.4	189 (172)	
HS024SXXNDXX1XX1	2	24000	14.60	25	21.5 x 24 x 27.4	189 (172)	
HS024SXXNXXX1XX1	3	36000	19.10	30	21.5 x 24 x 27.4	189 (172)	
HS036SXXCDXX1XX1	3	36000	19.10	30	21.5 x 24 x 27.4	189 (172)	
HS036SXXCXXX1XX1	3	36000	19.10	30	21.5 x 24 x 27.4	189 (172)	
HS036SXXNDXX1XX1	3	36000	19.10	30	21.5 x 24 x 27.4	189 (172)	
HS036SXXNXXX1XX1	3	36000	19.10	30	21.5 x 24 x 27.4	189 (172)	
HS048SXXCDXX1XX1	4	48000	26.50	45	21.5 x 24 x 27.4	189 (172)	
HS048SXXCXXX1XX1	4	48000	26.50	45	21.5 x 24 x 27.4	189 (172)	
HS048SXXNDXX1XX1	4	48000	26.50	45	21.5 x 24 x 27.4	189 (172)	
HS048SXXNXXX1XX1	4	48000	26.50	45	21.5 x 24 x 27.4	189 (172)	
HS060SXXCDXX1XX1	5	60000	33.90	60	23.3 x 27 x 33.4	261 (237)	
HS060SXXCXXX1XX1	5	60000	33.90	60	23.3 x 27 x 33.4	261 (237)	
HS060SXXNDXX1XX1	5	60000	33.90	60	23.3 x 27 x 33.4	261 (237)	
HS060SXXNXXX1XX1	5	60000	33.90	60	23.3 x 27 x 33.4	261 (237)	

R-410A WATER-TO-WATER GEOTHERMAL HEAT PUMP 2 TO 6 TON

EASIER TO SELL

- 3.0 - 3.21 COP, 14.6 - 22.1 EER (Closed Loop)
- 3.4 - 3.8 COP, 18.8 - 25.7 EER (Open Loop)
- Fully insulated cabinet with fiberglass
- Compressor blanket
- Optional supplemental domestic water heating

TOUGHER

- Two-stage scroll compressor

EASIER TO INSTALL AND SERVICE

- Unit designed for variety of hydronic applications
- Microprocessor control



Illustrations and photographs are only representative.
Some product models may vary.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Qualifying models only



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Operating (Shipping) Wt. - Lbs	Notes
HW024WXXDDXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXDXXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXEDXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXEXXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXFDXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXFXXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXGDX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW024WXXGXXX1XX1	2	24000	14.60	25	24.12 x 32.5 x 24	250 (270)	
HW036WXXDDXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXDXXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXEDXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXEXXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXFDXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXFXXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXGDX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	
HW036WXXGXXX1XX1	3	36000	19.10	30	24.12 x 32.5 x 24	270 (290)	

Continued on next page

Model Number	Size (ton)	Nominal BTU/hr	Min. Circuit Amps	Max. Fuse/ Brkr	Dimensions H x W x D (in)	Operating (Shipping) Wt. - Lbs	Notes
HW048WXXDDXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXDXXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXEDXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXEXXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXFDXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXFXXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW048WXXGDX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	

Specifications subject to change without notice.

HW048WXXGXXX1XX1	4	48000	26.50	45	24.12 x 32.5 x 24	252 (270)	
HW060WXXDDXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXDXXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXEDXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXEXXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXFDXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXFXXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXGDXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW060WXXGXXX1XX1	5	60000	33.90	60	24.12 x 32.5 x 24	340 (360)	
HW072WXXDDXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXDXXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXEDXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXEXXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXFDXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXFXXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXGDXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	
HW072WXXGXXX1XX1	6	72000	37.10	60	24.12 x 32.5 x 24	360 (380)	

Specifications subject to change without notice.

HB, HP, HS, HW

Geothermal Heat Pump Accessory Components

SUBJECT TO CHANGE WITHOUT NOTICE

Note: For a complete catalog of accessories including nomenclature, photos and pump curves, see the Geothermal System Components catalog.

RESIDENTIAL FLOW CENTERS

Flo-Link Series (Double O-ring) Pressurized Flow Centers

PART NUMBER	DESCRIPTION	NOTES
Flo-Link Foamed Cabinet (Double O-ring Connections -- Brass Valves)		
FCP11BD	FL1-99 UPS26-99, 3-speed, 230V, Grundfos	
FCP12BD	FL1-116 UP26-116, single speed, 230V Grundfos	
FCP13BD	FLV1, UPS32-140 (variable speed), 230V, Grundfos*	
FCP21BD	FL2-99 UPS26-99, 3-speed, 230V, Grundfos, Qty 2	
FCP22BD	FL2-116 UP26-116, single speed, 230V, Grundfos, Qty 2	
FCP24BD	FLV2, one UPS32-140 (variable speed) and one UPS26-99 (3-speed), 230V, Grundfos*	

NOTE: Each unit contains: Mounting hardware and one set of Flo-Link by 1-1/4 in. fusion fittings (loop side).

* Variable speed flow centers require a controller package see Accessory section of Geothermal System Components Catalog.

PART NUMBER	DESCRIPTION	NOTES
Flo-Link Foamed Cabinet (Double O-ring Connections -- Composite Valves)		
FCP11CD	FL1-99 UPS26-99, 3-speed, 230V Grundfos	
FCP21CD	FL2-99 UPS26-99, 3 speed, 230V, Grundfos, Qty 2	

NOTE: Each unit contains: Mounting hardware and one set of Flo-Link by 1-1/4 in. fusion fittings (loop side).

Panel Mount Variable Speed Flow Centers

PART NUMBER	DESCRIPTION			NOTES
	Variable Speed Pre-wired Packages (Panel Mounted)			
	Flow Center	Control	Connections	
FCM13BDT	Single pump,	Temperature Difference	Hose kit / PE fusion *	
FCM13BDF	brass valves	Flow & Temperature Control		
FCM24BDT	Two pump,	Temperature Difference		
FCM24BDF	brass valves	Flow & Temperature Control		

* Kit includes all of the fittings necessary for connecting to the ground loop (1-1/4 in. PE fusion) and to the heat pump (1 in. MPT)

GPM Series (FPT) Pressurized Flow Centers

PART NUMBER	DESCRIPTION	NOTES
GPM-1 with Foamed Cabinet (FPT Connections)		
FCP11BF	GPM-1 UPS26-99, 3-speed, 230V, Grundfos	
FCP12BF	GPM-1 UP26-116, single speed 230V, Grundfos	
GPM-2 with Foamed Cabinet (FPT Connections)		
FCP21BF	GPM-2 UPS26-99, 3-speed, 230V, Grundfos, Qty 2	
FCP22BF	GPM-2 UP26-116, single speed 230V, Grundfos, Qty 2	
GPM-3 with Foamed Cabinet (FPT Connections)		
FCP31BF	GPM-3 UPS26-99, 3-speed, 230V, Grundfos, Qty 3	
FCP32BF	GPM-3 UP26-116, single speed 230V, Grundfos, Qty 3	
GPM-4 with Foamed Cabinet (FPT Connections)		
FCP41BF	GPM-4 UPS26-99, 3-speed, 230V, Grundfos, Qty 4	
FCP42BF	GPM-4 UP26-116, single speed 230V, Grundfos, Qty 4	

NOTE: Each unit contains mounting hardware.

NP Series Non-Pressurized Flow Center

PART NUMBER	DESCRIPTION	NOTES
NP¹ with Foamed Cabinet (Flo-Link Double O-Ring Connections)		
FCN11CD	NP ¹ UPS26-99, 3-speed, 230V, Grundfos	
FCN12CD	NP ¹ UP26-116, single speed, 230V, Grundfos	
NP² with Foamed Cabinet (Flo-Link Double O-Ring Connections)		
FCN21CD	NP ² UPS26-99, 3-speed, 230V, Grundfos, Qty 2	
FCN22CD	NP ² UP26-116, single speed, 230V, Grundfos, Qty 2	
NP^V & NP^{V2} w/Foamed Cabinet (Flo-Link Double O-Ring Connections)		
FCN13CD	NP ^V Magna GEO (variable speed), 230V, Grundfos*	
FCN24CD	NP ^{V2} One Magna GEO (variable speed) & one UPS26-99 (constand speed), 230V, Grundfos*	

NOTE: Requires Flo-Link adapter sets for all connections or connector kit.

* Variable speed flow centers require a controller package.

HOSE KITS

PART NUMBER	DESCRIPTION	NOTES
1-in Hose Kit (MPT @ Flow Center & Heat Pump)		
HK4MM	Hose kit contents:	Qty 1: 12 ft. 1-in. ID black hose
		Qty 2: Insulating boot
		Qty 2: Insulating boot caps
		Qty 2: PT plug, 1/4 in. MPT
		Qty 2: Fitting, 1-in. MPT x 1-in. hose barb (flow center connection)
		Qty 2: Elbow, 1-in. MPT x 1-in. hose barb w/PT port (heat pump connection)
		Qty 8: Hose clamps
1-in Hose Kit (Flo-Link Double O-ring @ Flow Center; MPT @ HP)		
HK4DM	Hose kit contents:	Qty 1: 12 ft. 1-in. ID black hose
		Qty 2: Insulating boot
		Qty 2: Insulating boot caps
		Qty 2: PT plug, 1/4 in. MPT
		Qty 2: Fitting, Flo-Link x 1-in. hose barb (flow center connection)
		Qty 2: Elbow, 1-in. MPT x 1-in. hose barb w/PT port (heat pump connection)
		Qty 8: Hose clamps

FITTINGS

PART NUMBER	DESCRIPTION	NOTES
PE and PVC Adapters		
FIS4D5U	Flo-Link x 1-1/4 in. PE Fusion	
FIS4D4U	Flo-Link x 1 in. PE Fusion	
FIS4D5P	Flo-Link x 1-1/4 in. PVC Glue	
Brass Adapters - Hose Barb		
FIS4D4B	Flo-Link x 1 in. Hose Barb	
FIS4D4V	Flo-Link x 1 in. Hose Barb (w/check valve)	
FIS4D5B	Flo-Link x 1-1/4 in. Hose Barb	
Brass Adapters - Threaded		
FIS4D4M	Flo-Link x 1 in. MPT	
FIS4D4F	Flow-Link x 1-in. FPT	
FIS4E4M	Flo-Link (Female) x 1 in. MPT	
FIS4D4J	Flo-Link x 1 FPT full port isolation valves	
FIN4M4F	Flo-Link 1 in. MPT x 1 in. FPT 45° angle	
Brass Adapters with Fitting for PT Port		
FIS4T4B	Flo-Link x 1 in. Hose Barb w/fitting for PT port	
FIE4T4B	Flo-Link Elbow x 1 in. Hose Barb w/fitting for PT port	
FIS4T4M	Flo-Link x 1 in. MPT w/fitting for PT port	
FIE4T4M	Flo-Link Elbow x 1 in. MPT w/fitting for PT port	
FIS4DSS	Flo-Link x 1-1/8 in. Sweat w/fitting for PT port	
FIE4M4F	Flo-Link 1 in. MPT x 1 in. FPT Elbow w/PT plugs and port	

FITTINGS Cont.

Installation/Service Adapters		
FIE4D4C	Flo-Link x Male Cam Adapter	
FIS4D3G	Flo-Link by Male Garden Hose Adapter	
FIS4D3H	Flo-Link x Female Garden Hose Adapter	
Threaded Fittings, Adapters, and Other Fitting Components		
FIE4M4B	1 in. MPT Elbow x 1 in. Hose Barb w/fitting for PT port	
FIS4M5B	1 in. MPT x 1-1/4 in. Hose Barb	
FIE4A4A	Insulating boot set for 1 in. elbows	
FIS4Z4W	Water Heater Adapter (use ASME rated water heater as buffer tank)	
FIS4M4C	1 in. MPT x 1 in. CAM, Aluminum	

GEOTHERMAL ACCESSORIES

PART NUMBER	DESCRIPTION	NOTES
Loop Pressurization		
ACPB	Pressure Battery (polyethylene expansion tank) -- up to 6 tons	
ACGB	Geo-Booster (loop pressurization system -- 35 psig)	
ACGP	Geo-Prime Tank *	
Pressure/Temperature Plugs		
ACPTP1	1/4-in P/T Plug (each)	
ACPTP2	1/2-in. P/T Plug (each)	
Controllers for Variable Speed Flow Centers		
ACVCT	Grundfos Magna GEO Controller (for NPV & NPV2) -- Temperature Control (hose kit or PVC connections - 1/4-in. MPT immersion thermistors included)	
ACVCFHB	Grundfos Magna GEO Controller (for NPV & NPV2) -- Temperature and Flow Control for hose kit connections	
ACVCFPVC	Grundfos Magna GEO Controller (for NPV & NPV2) -- Temperature and Flow Control for PVC connections	
Two Heat Pump Flow Center Sharing Control		
ACPSRN	Pump sharing relay (2 units; 1 flow center) w/NEMA encl.	

* Use with Flo-Link flow centers or insulated pumps. May also be used with GPM flow centers with Flo-Link female x 1-in MPT adapter.

NP Series Connector Kit

PART NUMBER	DESCRIPTION		NOTES
NP Series Hose Kit with 3-way Flushing/Purging Valve			
ACCKNP	Hose kit contents:	Qty 1 : 12 ft. 1-in. ID black hose. 150 psi	
		Qty 4: Insulating boot	
		Qty 2 Elbow, 1-in. MPT x 1-in. hose barb w/PT port (heat pump connections)	
		Qty 2: Pt Plug, 1/4-in. MPT	
		Qty 2: Elbow with 1/4-in. plugs, Flo-Link x 1-in hose barb (flow center connections)	
		Qty 1: 3-way Valve, Single, Composite, Flo-Link fittings	
		Qty 1: 1-1/4-in. PE fusion x Flo-Link (3-way Valve connection to ground loop)	
		Qty 1: Flo-Link x 1 in. hose barb (3-way Valve connection to heat pump)	
		Qty 1: 1-1/4-in. PE fusion x 1 in. hose barb (ground loop connection to hose at flow center, RH side)	
		Qty 12: Hose clamps	

Compatible with NP series flow centers and heat pumps with 1-in. FPT connections.

Unit Mounting Pad

PART NUMBER	DESCRIPTION	NOTES
ACMP2436	3/4" high density rubber equipment pad, 24" x 36"	
ACMP2836	3/4" high density rubber equipment pad, 28" x 36"	

OPEN LOOP ACCESSORIES

PART NUMBER	DESCRIPTION	NOTES
Motorized Solenoid Valves		
MVBR3F	Valve, motorized solenoid, forged brass 3/4-in. FPT, 24V w/end sw	
MVBR4F	Valve, motorized solenoid, forged brass 1-in. FPT, 24V w/end sw	
Flow Regulator Valves		
FR2	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 2 GPM	
FR3	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 3 GPM	
FR4	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 4 GPM	
FR5	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 5 GPM	
FR6	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 6 GPM	
FR7	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 7 GPM	
FR8	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 8 GPM	
FR9	Valve, flow regulator, 3/4-in. FPT x 3/4-in. FPT, 9 GPM	

FUSION AND SERVICE TOOLS

PART NUMBER	DESCRIPTION	NOTES
Flush Cart & Accessories		
TLFLC2	Flush cart*	
TLFLH1	Hose assy, flush cart (set of 2, 10 ft.) -- 1-in CAM ftgs (loop side)	
TLFLH2	Hose assy, flush cart (set of 2, 10 ft.) -- w/ 1-1/4 in. ball valves	
TLFFLH3	Hose assembly (set of 2, 20 ft.) -- 1-1/2-in CAM ftgs (loop side)**	
TLFB100	Filter bag, 100 micron, for flush cart (each)	
TLFB001	Filter bag, One (1) micron, for flush cart (each)	
Loop Tools & Accessories		
TLGG0	Geo-Gooser loop pressurization device	
TLDTH	Thermometer, digital w/case	
TLPG1	Pressure gauge, 0-100 psig, 3.5 in. dial w/PT adapter	
TLGAD	Gauge adapter P/T plug w/guard	
TLHYD	Hydrometer, alcohols	
TLMFI	AC Magnetic Field Indicator (check pump operation)	
TLFLK	Loop Service and Flush Kit	

*Ships with hose set with 1-1/4 in. ball valve.

** Ships with 2-CAM male x male adapters. May be used as an extension set or with Flo-Link XL flow centers.

Fusion and Service Tools for NP Series

PART NUMBER	DESCRIPTION	NOTES
GEO-METER Flow Meter Tool		
TLNPFMT	Mechanical (variable area) flow meter tool	
TLNPBDA	Adapter kit for B & D flow meter tool (allows B & D tool to be used with NP series flow centers)	

Flow meter tool 3762 contains: Tool with fittings, 90° cam x double O-ring adapter, straight cam x double O-ring adapter, B & D adapter, and carrying case.

FUSION AND SERVICE TOOLS (CONT)

PART NUMBER	DESCRIPTION	NOTES
Fusion Tools		
TLHFD	Heat fusion tool - double face	
TLFKT	Fusion tool kit 3/4 in., 1-1/4 in., & 2 in. -- includes: Complete fusion tool set (3/4 in., 1-1/4 in. and 2 in.) Heating tool w/cover, socket faces, cold rings, 1-1/4 in. & 2 in. chamfer tools, tool box Timer, temple sticks, up to 2 in. ratchet cutter	
Socket Faces		
TLSF3	3/4 in. IPS socket face set	
TLSF4	1 in. IPS socket face set	
TLSF5	1-1/4 in. IPS socket face set	
TLSF6	1-1/2 in. IPS socket face set	
TLSF8	2 in. IPS socket face set	
Cold Rings Vice Grip Clamp		
TLCR3	3/4 in. IPS cold ring Vice Grip clamp	
TLCR4	1 in. IPS cold ring Vice Grip clamp	
TLCR5	1-1/4 in. IPS cold ring Vice Grip clamp	
TLCR6	1-1/2 in. IPS cold ring Vice Grip clamp	
TLCR8	2 in. IPS cold ring Vice Grip clamp	
Depth Gauge/ChamferTool		
TLDG3	3/4 in. IPS depth gauge/chamfer tool	
TLDG4	1 in. IPS depth gauge/chamfer tool	
TLDG5	1-1/4 in. IPS depth gauge/chamfer tool	
TLDG6	1-1/2 in. IPS depth gauge/chamfer tool	
TLDG8	2 in. IPS depth gauge/chamfer tool	
Fusion Tools		
TLFHO	Fitting holder - 2 in. IPS	
TLFTI	Fusion timer	
TLTS5	Temp stick - PE, 500°F	
TLMBR	Mounting bracket for fusion tool	
TLFHB	Fusion tool heater bag	
Pipe Cutters		
TLPC4	PE cutter - up to 1 in.	
TLPC5	PE ratchet cutter - up to 1-1/4 in.	
TLPC8	PE ratchet cutter - up to 2 in.	

AUXILIARY HEATERS

PART NUMBER	DESCRIPTION	USED WITH	NOTES
KWBEH0101N05	Non-fused 5 Kw	HP 024-036, HB 018-036	
KWBEH0101N10	Non-fused 10 Kw	HP 024-036, HB 024-060	
KWBEH0101B15	Breaker 15 Kw	HP 048-072, HB 036-060	
KWBEH0101B20	Breaker 20 Kw	HP 060-072, HB 048-060	

NOTES