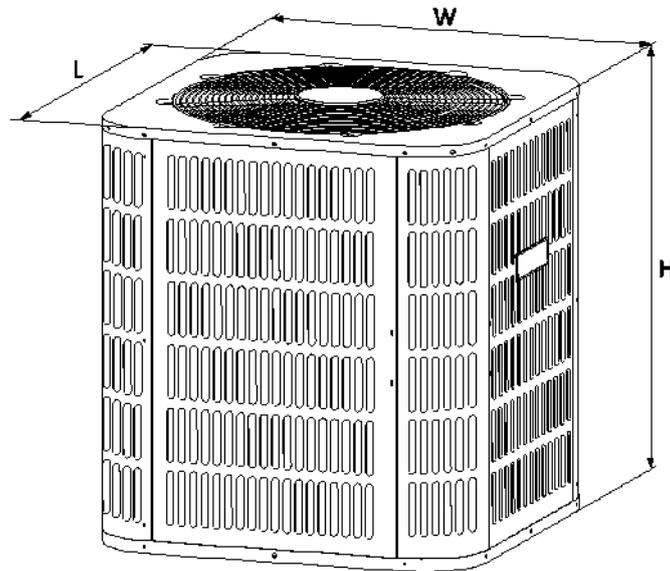## Submittal

Condensing Unit
Prime Series Heat Pump
Up to 14.3 SEER2
Cooling capacity: 18-60 kBTU/h

Model Size	Unit Width "W" in. [mm]	Unit Height "H" in. [mm]	Unit Length "L" in. [mm]	Unit Weight (lbs.[kg])
18	21-4/5(554)	25(633)	21-4/5(554)	132(60)
24	21-4/5(554)	25(633)	21-4/5(554)	133(60.5)
30	29-1/7(740)	25(633)	29-1/7(740)	164(74.5)
36	29-1/7(740)	25(633)	29-1/7(740)	168(76)
42	29-1/7(740)	32-7/8(835)	29-1/7(740)	183(83)
48	29-1/7(740)	32-7/8(835)	29-1/7(740)	203(92)
60	29-1/7(740)	32-7/8(835)	29-1/7(740)	216(98)

Specifications

	18K	24K	30K	36K
NOMINAL CAPACITY				
Cooling (BTU/h)	18,000	23,000	27,600	33,400
Heating (BTU/h)	17,600	22,400	27,800	33,000
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	14	18	25	30
Max. Overcurrent Protection (MOP) (A)	15	25	35	40
COMPRESSOR				
Type	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single
Rated Load Amps (RLA) (A)	11.20	14.30	16.30	21.00
Locked Rotor Amps (LRA) (A)	47	59	71	75
Crankcase Heater	Yes	Yes	Yes	Yes
CONDENSER COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D) (in.)	9/32	9/32	9/32	9/32
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/
Horsepower (HP)	1/4	1/4	1/4	1/4
Full Load Amps (FLA) (A)	1.8	1.8	1.8	1.8
REFRIGERATION SYSTEM				
Liquid Valve Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Valve Size (O.D.) (in.)	3/4	3/4	3/4	3/4
Liquid Line Size ("O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size ("O.D.) (in.)	3/4	3/4	3/4	3/4
Refrigerant Charge (- oz.)	82.89	82.89	116.40	125.22
SOUND POWER (dB(A))	59	60	60	60
OPERATION RANGE				
Cooling (ºC)	11.7-48.9	11.7-48.9	11.7-48.9	11.7-48.9
Cooling (ºF)	53-120	53-120	53-120	53-120
Heating (ºC)	-5-26.7	-5-26.7	-5-26.7	-5-26.7
Heating (ºF)	5-80	5-80	5-80	5-80

	42K	48K	60K
NOMINAL CAPACITY			
Cooling (BTU/h)	41,000	47,500	54,000
Heating (BTU/h)	41,000	47,000	54,000
ELECTRICAL DATA			
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	30	30	40
Max. Overcurrent Protection (MOP) (A)	40	45	50
COMPRESSOR			
Type	Scroll	Scroll	Scroll
Stage	Single	Single	Single
Rated Load Amps (RLA) (A)	24.6	30.2	36.4
Locked Rotor Amps (LRA) (A)	96	102	125
Crankcase Heater	Yes	Yes	Yes
CONDENSER COIL			
Type	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D) (in.)	9/32	9/32	9/32
FAN MOTOR			
Motor Type	ECM	ECM	ECM
Capacitor (uF)	/	/	/
Horsepower (HP)	1/4	1/4	1/4
Full Load Amps (FLA) (A)	1.8	1.8	1.8
REFRIGERATION SYSTEM			
Liquid Valve Size (O.D.) (in.)	3/8	3/8	3/8
Suction Valve Size (O.D.) (in.)	3/4	7/8	7/8
Liquid Line Size ("O.D.) (in.)	3/8	3/8	3/8
Suction Line Size ("O.D.) (in.)	3/4	7/8	7/8
Refrigerant Charge (- oz.)	137.56	137.56	172.84
SOUND POWER (dB(A))	63	63	63
OPERATION RANGE			
Cooling (ºC)	11.7-48.9	11.7-48.9	11.7-48.9
Cooling (ºF)	53-120	53-120	53-120
Heating (ºC)	-5-26.7	-5-26.7	-5-26.7
Heating (ºF)	5-80	5-80	5-80

Standard Features:

- Environmentally friendly R454B refrigerant featuring a low Global Warming Potential (GWP) rating
- High-efficiency Inverter rotary compressor
- Advanced copper-aluminum condenser for superior heat transfer
- Service valves with sweat connections and conveniently accessible gauge ports
- Pre-installed high-pressure switch. Fully AHRI certified and ETL listed

Cabinet Features:

- Space-saving compact design that simplifies installation, ensures proper clearance, enhances durability, and improves maneuverability
- Durable powder-coated galvanized steel cabinet construction
- Robust steel louvered coil guard for added protection
- Protective steel wire guard for the axial fan
- Energy-efficient DC fan motor paired with an optimized blade design for smoother airflow and reduced operating noise