

SUBMITTAL DATA: FA-H24-D20TL

24,000 BTU E-20 Series Wall-Mounted Heat Pump

Job Name	Location	Date		
Purchaser	Engineer			
Submitted To	For	<input type="checkbox"/> Reference	<input type="checkbox"/> Approval	<input type="checkbox"/> Construction
Unit Designations	Schedule No.			

GENERAL FEATURES

- Compact and quiet design
- Wireless remote control with LCD display
- WiFi connectivity
- Wired controller (sold separately)
- Intelligent defrost
- Low ambient cooling to -15 °C (5 °F)
- Low ambient heating to -25 °C (-13 °F)

PRODUCT IMAGE

SYSTEM RATINGS
Cooling Performances

Rated Capacity	BTU/hr	24000
Rated Power Input	W	2520
SEER	BTU/W*hr	18.00
EER	BTU/W*hr	9.5

Heating Performances at -8 °C (47 F)

Rated Capacity	BTU/hr	24400
Rated Power Input	W	2390
HSPF	BTU/W*hr	10.0
COP	W/W	3.00

Cooling Operating Range	°C (°F)	-15 to 50 (5 to 122)
Heating Operating Range	°C (°F)	-25 to 30 (-13 to 86)

REFRIGERANT PIPING DATA

Outer Diameter of Gas Pipe	mm (in)	12.7 (1/2)
Outer Diameter of Liquid Pipe	mm (in)	6.35 (1/4)
Connection Method	—	Flared
Factory Charge	g (oz)	1420 (50.09)
Additional Charge	g/m (oz/ft)	20 / 0.22
Pre-Charge Length	m (ft)	7.5 (24.6)
Max Refrigerant Pipe Length	m (ft)	20 (65.6)
Max Refrigerant Pipe Elevation	m (ft)	15 (49.2)

INDOOR UNIT DATA

Fan Motor Type	—	Variable Speed
Moisture Removal Capacity	L/hr (pt/hr)	2.60 (5.49)
Airflow Volume	m ³ /hr (CFM)	1440 / 1190 / 1090 (847 / 700 / 641)
Sound Pressure Level	db(A)	51 / 48 / 43 / 38 / 35
Dimensions (W x H x D)	mm (in)	1186 × 260 × 340 (46.69 × 10.23 × 13.38)
Weight (Net/Gross)	kg (lb)	17.0 / 21.0 (37.5 / 46.3)

OUTDOOR UNIT DATA

Compressor Type	—	Inverter
Refrigerant Type	—	R410A
Airflow Volume	m ³ /hr (CFM)	2990 (1760)
Sound Pressure Level	db(A)	58
Dimensions (W x H x D)	mm (in)	845 × 699 × 380 (33.26 × 27.51 × 14.96)
Weight (Net/Gross)	kg (lb)	43.5 / 46.8 (95.9 / 103.2)

ELECTRICAL DATA

Normal Operational Voltage	V / Hz / phase	230 / 60 / 1
Rated Current	A	11.2 / 10.6
MOCP / Breaker Size	A	30

