

SUBMITTAL DATA: FA-H18-D20TL

18,000 BTU E-20 Series Wall-Mounted Heat Pump

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ 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	18000
Rated Power Input	W	1800
SEER	BTU/W*hr	19.0
EER	BTU/W*hr	10.0

Heating Performances at -8 °C (47 F)

Rated Capacity	BTU/hr	19000
Rated Power Input	W	1850
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)	9.52 (3/8)
Outer Diameter of Liquid Pipe	mm (in)	6.35 (1/4)
Connection Method	—	Flared
Factory Charge	g (oz)	1070 (37.74)
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
Fan Motor RLA	A	0.6
Moisture Removal Capacity	L/hr (pt/hr)	2.20 (4.65)
Airflow Volume	m³/hr (CFM)	1030 / 790 / 730 (606 / 465 / 429)
Sound Pressure Level	db(A)	48 / 45 / 40 / 35 / 31
Dimensions (W x H x D)	mm (in)	1010 × 220 × 315 (39.76 × 8.66 × 12.40)
Weight (Net/Gross)	kg (lb)	13.0 / 16.0 (28.7 / 35.3)

OUTDOOR UNIT DATA

Compressor Type	—	Inverter
Compressor RLA	A	8.7
Refrigerant Type	—	R410A
Fan Motor RLA	A	0.3
Airflow Volume	m³/hr (CFM)	2580 (1520)
Sound Pressure Level	db(A)	52
Dimensions (W x H x D)	mm (in)	780 × 605 × 349 (30.70 × 23.81 × 13.74)
Weight (Net/Gross)	kg (lb)	33.5 / 37.0 (73.8 / 81.5)

ELECTRICAL DATA

Normal Operational Voltage	V / Hz / phase	230 / 60 / 1
Rated Current	A	8.0 / 8.3
MCA	A	12
MOCP / Breaker Size	A	20

