

SUBMITTAL DATA: FA-H12-A20TL

12,000 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	12000
Rated Power Input	W	1070
SEER	BTU/W*hr	20.0
EER	BTU/W*hr	10.5

Heating Performances at -8 °C (47 F)

Rated Capacity	BTU/hr	12000
Rated Power Input	W	1070
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)	1002 (35.24)
Additional Charge	g/m (oz/ft)	20 / 0.22
Pre-Charge Length	m (ft)	7.5 (24.6)
Max Refrigerant Pipe Length	m (ft)	15 (49.2)
Max Refrigerant Pipe Elevation	m (ft)	10 (32.8)

INDOOR UNIT DATA

Fan Motor Type	—	Variable Speed
Fan Motor RLA	A	0.6
Moisture Removal Capacity	L/hr (pt/hr)	1.60 (3.38)
Airflow Volume	m³/hr (CFM)	650 / 540 / 430 (383 / 318 / 253)
Sound Pressure Level	db(A)	42 / 39 / 34 / 29 / 27
Dimensions (W x H x D)	mm (in)	811 × 205 × 292 (31.92 × 8.07 × 11.49)
Weight (Net/Gross)	kg (lb)	9.0 / 11.0 (19.8 / 24.2)

OUTDOOR UNIT DATA

Compressor Type	—	Inverter
Compressor RLA	A	14.2
Refrigerant Type	—	R410A
Fan Motor RLA	A	0.6
Airflow Volume	m³/hr (CFM)	2290 (1350)
Sound Pressure Level	db(A)	52
Dimensions (W x H x D)	mm (in)	728 × 550 × 305 (28.66 × 21.65 × 12.01)
Weight (Net/Gross)	kg (lb)	29.5 / 30.0 (65.0 / 66.1)

ELECTRICAL DATA

Normal Operational Voltage	V / Hz / phase	115 / 60 / 1
Rated Current	A	9.7 / 9.7
MCA	A	19
MOCP / Breaker Size	A	30

