



Submittal Data Sheet

Outdoor Unit Model#: SC-30Z-HH-M4B

30K Multi-Zone (4-Zone) Heat Pump Condenser

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY RATINGS

Cooling		Heating	
SEER	21.0	HSPF	10.0
EER (Btu/h)/W	12.5	COP (W/W)	3.91

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	28400
Min/Max Capacity	8190 ~ 34100
Ambient Operating Temperature Range °F (°C)	-22° ~ 118° (-30° ~ 48°)

HEATING PERFORMANCE

Heating (Btu/hr)	
Rated Capacity	30000
Min/Max Capacity	8190 ~ 40900
Ambient Operating Temperature Range °F (°C)	-22° ~ 75.2° (-30° ~ 24°)

FEATURES

- Automatic Defrosting
- Low Ambient Cooling Function
- Low Voltage Startup
- Chassis Electric Heater

OUTDOOR UNIT SPECIFICATION

Compressor Type		Inverter Rotary
Compressor Model		QXFS-B238zX070
Refrigerant		R410A
Refrigerant Oil Charge (L)		0.5
Refrigerant Oil Type		FW68DA or equivalent
Condenser Material		Aluminum Fin - Copper Tube
Outdoor Fan Motor Model		B-SWZ130E
Outdoor Fan Motor (Type / Drive Type)		DC Motor / Direct Drive
Outdoor Fan (Type / Quantity)		Axial-Flow / 1
Outdoor Fan Diameter (in / mm)		21.65 / 550
Outdoor Fan Motor Speed (RPM)		860
Outdoor Air Flow (Max) (CFM)		3413
Outdoor Noise Level (dBA)		74
Dimension (W×D×H)	inch	40.2 x 16.8 x 32.5
	mm	1020 x 427 x 826
Package (W×D×H)	inch	43.0 x 19.6 x 34.8
	mm	1093 x 497 x 885
Net/Gross Weight	lbs	152.1 / 167.6
	kg	69.0 / 76.0

ELECTRICAL SPECIFICATIONS

Power Supply	208/230V, 1 Ph, 60 Hz
Min./Max. Voltage (V)	187 / 253
System MCA	23
System MOCP	35
Fuse Current (A)	30
Rated Current (A)	20.41 / 21.74
Starting Current (A)	5
Recommended Power Cable (Core) (N)	3.00
Compressor RLA	14.25
Compressor Capacity (W)	14.25
Outdoor Fan Motor FLA	2.2
Outdoor Fan Motor Power Output (W)	130
System Power Input @ Cooling (kW)	2.27
System Power Input @ Heating (kW)	2.25
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	FLA: Full Load Amp (A)

REFRIGERANT PIPING SPECIFICATIONS

Liquid Size (O.D.)	4 x 6.00mm (1/4in)
Gas Size (O.D.)	4 x 9.52mm (3/8in)
Max. Piping Length for all rooms (ft/m)	262.5 / 80
Max. Piping Length for one IDU (ft/m)	82.0 / 25
Max. Height Difference of IDU and ODU (ft/m)	82.0 / 25
Refrigerant Charge Amount (oz/kg)	105.8 / 3.0
Additional Refrigerant Charge Amount (oz/ft) / (g/m)	0.2 / 20.0
Outdoor Throttle Type	EEV
Max. Allowable Pressure (Mpa)	4.3
Connection Method	Flare Connection