Submittal AM260JXVAFH/AZ

DVM S

SAMSUNG Latin America

Job Name _____ Location _____
Purchaser _____ Engineer _____
Submitted to _____ Reference _____ Approval _____ Construction _____

Specifications

Model			AM260JXVAFH/AZ
Features	Type		DVM S
Power	Voltage [Φ, #, V, Hz]		3,3,208-230,60
	MCA [A]		73.00 (MCA)
	MFA [A]		80.00
Performance	HP		26.00
	Cooling [kW]		72.80
	Cooling [Btu/h]		248,400
	Heating [kW]		81.90
	Heating [Btu/h]		279,500
	EER		3.40
	COP		4.55
Power Input	Cooling 1 [kW]		21.41
	Heating 2 [kW]		18.00
Current Input (Nominal)	Cooling 1 [A]		62.43
	Heating 2 [A]		52.49
System	Mode		HEAT PUMP
Compressor	Type		SSC Scroll x 2
	Output (kW x n)		-
	Oil	Type	PVE
		Inicial Charge [cc]	5600
Refrigerant	Type		R410A
	Factory Charge [kg]		12.50
Installation	Max. Distance	Length [m]	200
		Height [m]	110.0
Condenser Fan	Fan	Type	Propeller
		Output [CMM]	340
		Output [CFM]	12007
	Motor	Output [W]	620.0 x 2
	E.S.P Max. [mmAq]		8.00
	E.S.P Max. [Pa]		78.45
Piping Connections	Liquid Pipe (Φ, mm)		19.05
	Liquid Pipe (Φ, inch)		3/4"
	Gas Pipe (Φ, mm)		34.92
	Gas Pipe (Φ, inch)		1 3/8"
	Discharge (Φ,mm)		-
	Discharge (Φ,inch)		-
Sound	Sound Pressure		67.0 / 70.0
	Sound Power		88.0
Dimension	Net Weight(kg)		333.0
	Shipping Weight (kg)		355.0
	Net Dimensions (WxHxD) (mm)		1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) (mm)		1,363 x 1,987 x 832
Operating Temp. Range	Cooling [°C]		-5.0 ~ 48.0
	Heating [°C]		-25.0 ~ 24.0

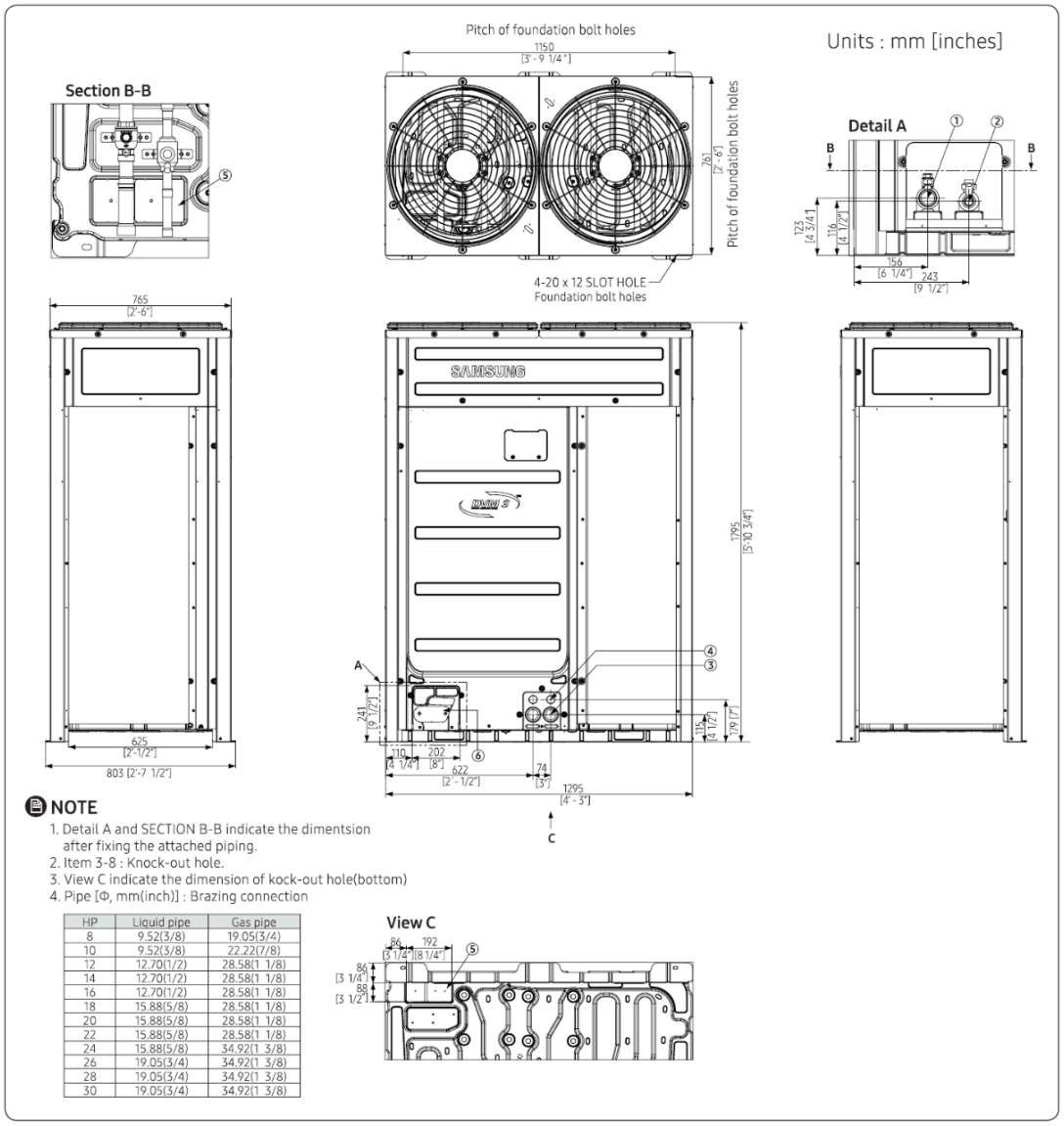
* Nominal cooling capacities are based on: Indoor temperature: 80 ºF DB, 67ºF WB. Outdoor temperature: 95ºF DB, 75ºF WB.
* Nominal heating capacities are based on: Indoor temperature: 70 ºF DB, 60ºF WB. Outdoor temperature: 47ºF DB, 43ºF WB.

Compatibility
NASA DVM S indoor units , AHU kits (MXD-K***AN), and UCK (MCM-D211UN)
Construction
The unit shall be galvanized steel with a baked on powder coated finish.
Heat Exchanger
The heat exchanger shall be mechanically bonded fin to copper tube.
The aluminum fins of the heat exchanger shall have a protective coating.
Salt spray test method: ASTM-B117-18 - the heat exchanger showed no unusual rust or corrosion development to 2,280 hours.
Controls
The outdoor unit shall have a removable EEPROM that stores unit serial number, startup information, system settings, system tag/name, and other information.
Control wiring shall be 16 AWG X 2 shielded wire.
Refrigerant System
The compressors shall be Samsung hermetically sealed, inverter driven, direct flash injected, DC scroll type with soft-start capability.
Flash injected compressors provide advanced low ambient heating performance.
Subcooling devices in system maintain capacity at extreme system refrigerant pipe lengths and minimize refrigerant noise.
Other Features
Asymmetrical scroll design with rotating compressor operation/priority (where applicable).
Advanced oil recovery cycle logic (maximum duration in cool mode: 3 minutes, maximum duration in heat mode: 6 minutes, defrost cycles lasting over 3 minutes are considered oil recovery cycles). Oil recovery operation shall not interrupt heating or cooling operation.
Optional night quiet modes to reduce outdoor unit sound (4 levels) with automatic activation or manual activation (with MIM-B14).
Advanced intelligent defrost logic to significantly reduce defrost cycle frequency by monitoring air resistance across the condenser coil during heating operation to determine defrost operation initiation to prevent unnecessary defrost cycles.
Optional snow blowing logic to prevent snow accumulation on idle outdoor units
Maximum current control of outdoor unit(s) to limit current (50% - 100% of design current) adjustable at outdoor unit or central control devices: DMS 2.5 (MIM-D01AN), BACnet Gateway (MIM-B17BN), LON Gateway (MIM-B18BN).
Energy savings options to reduce system energy consumption when average indoor room temperatures are greater than average indoor set temperatures in heating mode or when average indoor room temperatures are lower than average indoor set temperatures in cooling mode.
Samsung maintains a policy of ongoing development, specifications are subject to change without notice.

Specifications

Submittal AM260JXVAFH/AZ DVM S

SAMSUNG Latin America



NOTE

1. Detail A and SECTION B-B indicate the dimentsion after fixing the attached piping.
2. Item 3-8 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom)
4. Pipe [Φ, mm(inch)] : Brazing connection

HP	Liquid pipe	Gas pipe
8	9.52(3/8)	19.05(3/4)
10	9.52(3/8)	22.22(7/8)
12	12.70(1/2)	28.58(1 1/8)
14	12.70(1/2)	28.58(1 1/8)
16	12.70(1/2)	28.58(1 1/8)
18	15.88(5/8)	28.58(1 1/8)
20	15.88(5/8)	28.58(1 1/8)
22	15.88(5/8)	28.58(1 1/8)
24	15.88(5/8)	34.92(1 3/8)
26	19.05(3/4)	34.92(1 3/8)
28	19.05(3/4)	34.92(1 3/8)
30	19.05(3/4)	34.92(1 3/8)

NO	Table of descriptions	Remark	NO	Table of descriptions	Remark
1	Gas Ref. pipe	See note 4.	5	Power wiring conduit	
2	Liquid Ref. pipe	See note 4.	6	Communication wiring conduit	
3	Power wiring conduit	Φ44			
4	Communication wiring conduit	Φ34			