Ficha Técnica AM192HXVAFH2AA DVM S

SAMSUNG Latinoamerica

Nombre del Proyecto				
Desarrollador				
Trasladado a		Referencia	Aprobación	Construction
Nombre de Sistema		Fecha		

Especificaciones

Modelo			AM192HXVAFH2AA
Características	Tipo		DVM S
Suministro Eléctrico	Voltage [Φ, #, V, Hz]		3,3,208-230,60
	MCA [A]		73.00 (MCA)
	MFA [A]		90.00
Rendimiento	HP		20.00
	Enfriamiento [kW]		56.27
	Enfriamiento [Btu/h]		192,000
	Calefacción [kW]		63.30
	Calefacción [Btu/h]		216,000
	EER		3.42
	COP		3.88
Corriente de Entrada (Nominal)	Enfriamiento 1 [A]		44.86
	Calefacción 2 [A]		44.56
Sistema	Modo		HEAT PUMP
Compresor	Tipo		SSC Scroll x 2
	Entrega (kW x n)		-
	Aceite	Tipo	PVE
		Carga Inicial [cc]	5600
Refrigerante	Tipo		R410A
	Carga de Fábrica [kg]		11.00
Instalación	Distancia Max.	Longitud [m]	200
		Altura [m]	110.0
Ventilador del Condensador	Ventilador	Tipo	Propeller
		Entrega [CMM]	310
		Entrega [CFM]	10948
	Motor	Entrega [W]	620.0 x 2
	E.S.P Max. [mmAq]		7.87
	E.S.P Max. [Pa]		77.22
Conexiones de Tubería	Tubería de Líquido (Φ, mm)		15.88
	Tubería de Líquido (Φ, inch)		5/8"
	Tubería de Gas (Φ, mm)		28.58
	Tubería de Gas (Φ, inch)		1 1/8"
	Descarga (Φ,mm)		-
	Descarga (Φ,inch)		-
Sonido	Presión Sonora		64.0
	Potencia Sonora		86.0
Dimensiones	Peso Neto (kg)		333.0
	Peso de Embarque (kg)		350.0
	Dimensiones Netas (LxAxP) (mm)		1,295 x 1,695 x 765
	Dimensiones de Embarque (LxAxP) (mm)		1,363 x 1,887 x 832
Rango de Temperatura de Operación	Enfriamiento [°C]		-5.0 ~ 48.9
	Enfriamiento [°C]		-25.0 ~ 23.9

* Capacidades nominales de Enfriamiento basadas en: Temperatura de Interior: 80 ºF BS, 67ºF BH. Temperatura Exterior: 95ºF BS, 75ºF BH.

* Capacidades nominales de Calefacción basadas en: Temperatura de Interior: 70 ºF BS, 60ºF BH. Temperatura Exterior: 45ºF BS, 43ºF BH.

Compatibility
NASA DVM S indoor units , AHU kits (MXD-K***AN), y UCK (MCM-D211UN)
Construcción
The unit shall be galvanized steel con a baked on powder coated finish.
Intercambiador de Calor
El Intercambiador de Calor es mecanicamente adherido (aletas a tubos de Cobre).
The aluminum fins of the Intercambiador de Calor shall have a protective coating.
Salt spray test method: ASTM-B117-18 - the Intercambiador de Calor showed no unusual rust or corrosion development to 2,280 hours.
Controles
The outdoor unit shall have a removable EEPROM that stores unit serial number, startup information, system settings, system tag/name, y 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 con soft-start capability.
Flash injected compressors provide advanced low ambient heating performance.
Subcooling devices in system maintain capacity at extreme system refrigerant pipe lengths y minimize refrigerant noise.
Other Características
Asymmetrical scroll design con 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) con automatic activation or manual activation (con 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-D01AUN), 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, Especificaciones are subject to change conout notice.

* Restrictions apply. Design above 130% requires an engineering review for approval. Refer to the Technical Data Book for more information.

Especificaciones

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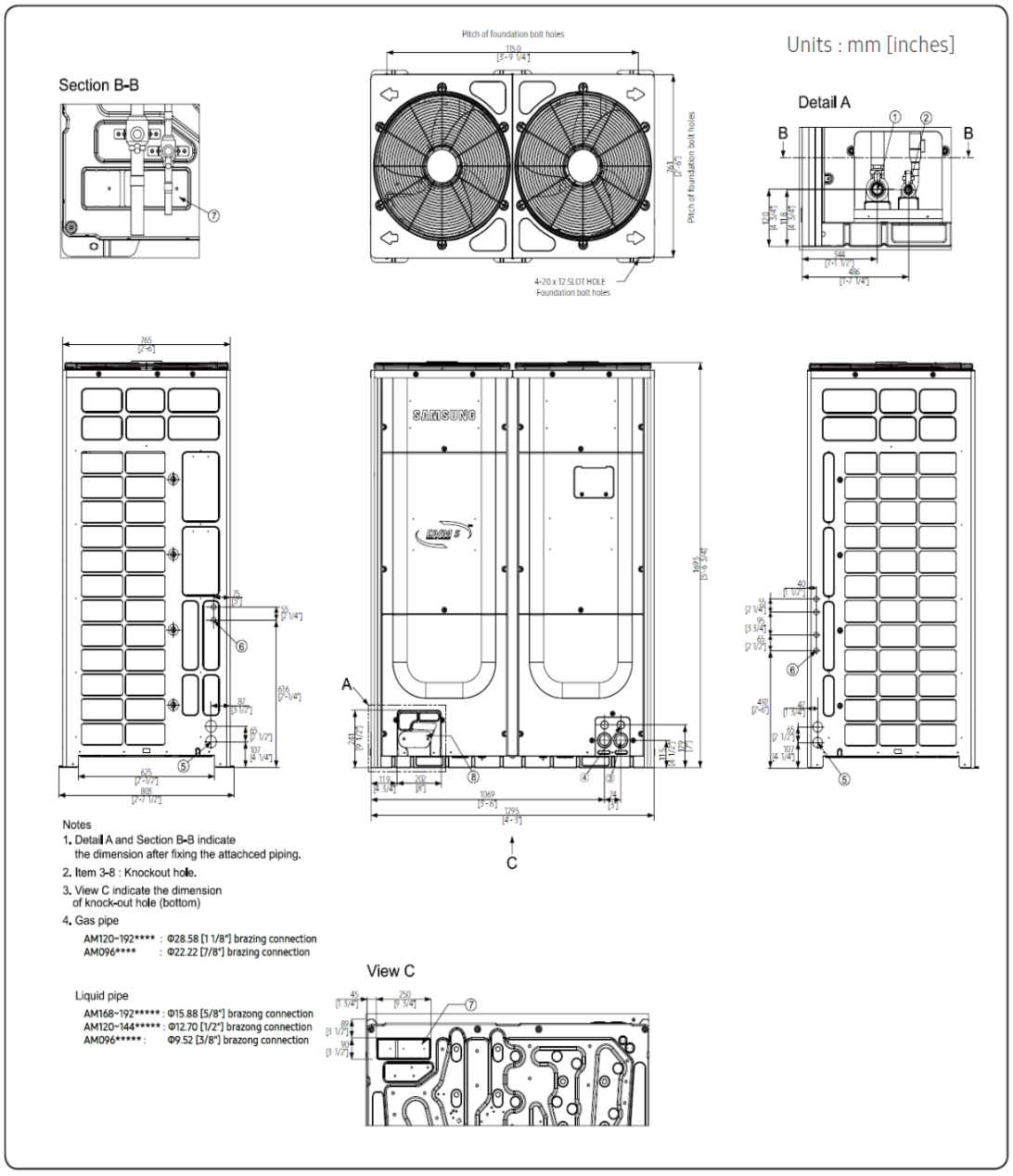
Especificaciones



NO	Table of descriptions		NO	Table of descriptions	
1	Gas Ref. pipe	See note 4.	5	Power wiring conduit	Φ44
2	Liquid Ref. pipe	See note 4.	6	Communication wiring conduit	Φ22
3	Power wiring conduit	Φ44	7	Knock-out Hole for Ref. Piping (bottom)	
4	Communication wiring conduit	Φ34	8	Knock-out Hole for Ref. Piping (front)	