

Variable Refrigerant System



Highest Efficiency

# Samsung VRF system DVMS



Industry highest IEER and SCHE up to  
**IEER 27.0, SCHE 30.0\***

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\* AHRI Test result. 8 Ton unit HP, HR units

### Mini DVM

- 3, 4, 5 Ton capacity
- Heat pump
- 208/230V ,1 Ph, 60 Hz
- Install up to 9 indoors
- Connectable control w. DVMS
- BMS Connectable

### DVMS

- 6, 8, 10, 12 Ton up to 36 ton capacity
- Heat pump & heat recovery
- 208/230V, 460V, 3Ph, 60 Hz
- Install up to 64 indoors (36 ton)
- BMS connectable
- 3 Pipe HR (enhanced HR performance)



3/4/5 Ton Unit HP



6 Ton Unit HP/HR



8,10,12 Ton Unit HP/HR

	3 Ton	4 Ton	5 Ton	6 Ton	8 Ton	10 Ton	12 Ton
HP (203/230V, 1 Ph)	AM036FXMDCH/AA	AM048FXMDCH/AA	AM053FXMDCH/AA	-	-	-	-
HP (203/230V, 3 Ph)	-	-	-	AM072FXVAFH/AA	AM096FXVAFH/AA	AM120FXVAFH/AA	AM144FXVAFH/AA
HR (203/230V, 3 Ph)	-	-	-	AM072FXVAFR/AA	AM096FXVAFR/AA	AM120FXVAFR/AA	AM144FXVAFR/AA
HP(460V, 3 Ph)	-	-	-	AM072FXVAJH/AA	AM096FXVAJH/AA	AM120FXVAJH/AA	AM144FXVAJH/AA
HR(460V, 3 Ph)	-	-	-	AM072FXVAJR/AA	AM096FXVAJR/AA	AM120FXVAJR/AA	AM144FXVAJR/AA

	Size	6 Ton	8 Ton	10 Ton	12 Ton
Single CU	6 Ton	1			
	8 Ton		1		
	10 Ton			1	
	12 Ton				1
Double CU	14 Ton	1	1		
	16 Ton	1		1	
	18 Ton	1			1
	20 Ton			2	
	22 Ton			1	1
	24 Ton				2
Triple CU	26 Ton	1	1		1
	28 Ton	1		1	1
	30 Ton	1			2
	32 Ton			2	1
	34 Ton			1	2
	36 Ton				3

<sup>1</sup> Additional parts are necessary for installation. Dual module systems require 1 X MXJ-TA3100M + 1 X MXJ-TA33819M. Triple module systems require 2 X MXJ-TA3100M + 2 X MXJ-TA33819M. See accessories section for pricing.

# Indoor Units

\* Size in btu/h

**HSP Duct**



36,000/48,000/76,000/96,000

**MSP Duct**



18,000/24,000 /30,000/36,000/48,000

**Slim Duct**



7,500/ 9,500/12,000/18,000  
24,000/30,000/36,000/ 48,000

**Ceiling / Wall Convertible**



18,000/24,000

**Wall Mounted**



7,500/9,500/12,000  
18,000/20,000/24,000

**1 Way Cassette**



7,500/9,500/12,000  
18,000/20,000/24,000

**4 Way Cassette**



7,000/9,500/12,000

**Mini 4 Way Cassette**



9,500/12,000  
18,000/20,000

## Main Features & Benefits of Samsung DVMS

- Industry highest energy efficiency as high as IEER 27.0, SCHE 30
- AHRI 1230 (VRF) Certified, 208/230V , 460V HR/HP
- Largest system capacity (up to 36 ton heat recovery and heat pump)
- All variable compressor with vapor injection feature (up to 20%\* increase in heating capacity)
- Enhanced wireless commissioning with S Checker
- Protected PC board (power – communication connection error protection)
- Refrigerant heat sink to cool inverter PCB controller(s) for protection and optimal operation
- No oil balance piping
- Samsung Inverter Scroll Compressor (8,400 rpm) with micro-control for fast cooling and heating
- Operation temp: -4°F~75.2°F Heating, 14°F~120°F Cooling)
- Longest height difference (indoor/outdoor: 370 feet, indoor/indoor 164 feet)
- Rotational defrost cycle and snow blowing function
- Smallest foot print, lightweight vs. competitors (26% less foot print, 37% less weight)

Samsung's integrated control system is perfect choice for managing large sized buildings or medium sized buildings with many indoor units, or multiple outdoor systems.



### S-NET3

This integrated software connects to the internet to control the system air conditioners through DMS from a single computer.



### DMS 2

Standalone web server that allows control, monitoring, scheduling, and error management of up to 256 DVM indoor units from any PC with an internet connection.



### Centralized On/Off Controller

The centralized controller controls the system air conditioners individually or in groups supporting many other functions.



### Centralized Touch Screen Control

Featuring a touch screen, S-NET Mini can be directly connected to the system air conditioners through centralized controllers or interface modules.



### Wired Remote Controller

The individual remote controllers are used to control single or multiple indoor units conveniently (up to 16 indoor units)



### Wireless Remote Controller

The individual remote controllers are used to control single indoor units conveniently.



### Power Meter Interface (PIM)

Watt-hour Meter Interface Module can be exclusively used for DMS 2 power distribution, displaying power consumption for each watt-hour meter.



### S-Checker

With S-Checker, DVMS can be monitored by smart devices such as smart phone or tablet PC. Facilitates self-diagnosis, auto commissioning, auto management, and mobile data transmission



### BACnet Gateway

Standalone web server with BACnet BMS integration that allows control, monitoring, scheduling, and error management of up to 256 DVM indoor units from any PC with an internet connection.



### Lon Works Gateway

Standalone web server with LON BMS integration that allows control, monitoring, scheduling, and error management of up to 128 DVM indoor units from any PC with an internet connection.



### Receiver & Display Unit

Individual Control for Duct type units



### Operation Mode Selection

Mode selection - Cooling, Heating or Auto - for HP Models