

SAMSUNG

DVM S Eco

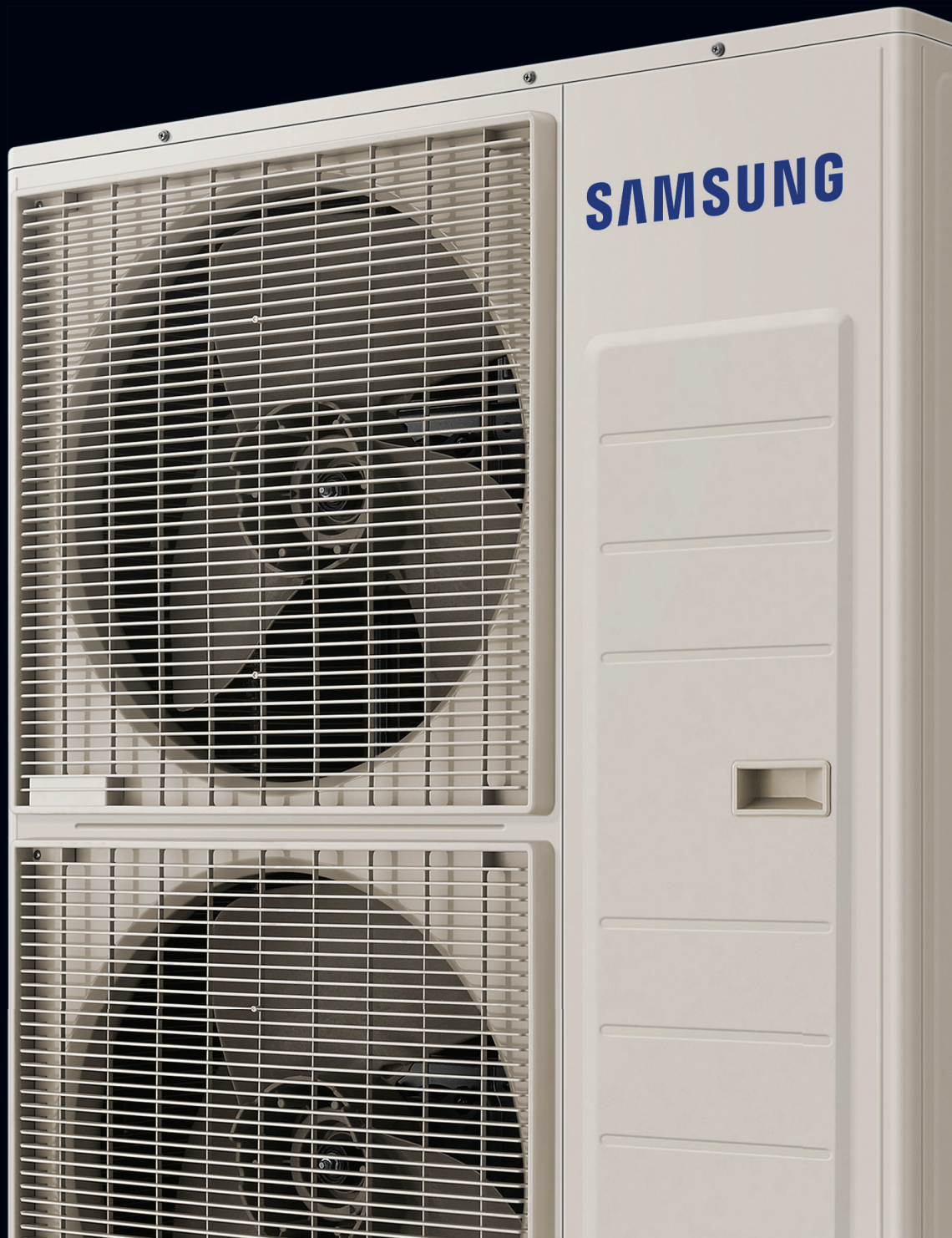
Compact with impact.

An efficient solution in various capacities.

Our most compact DVM S unit is efficient in several different capacities to drive down costs and energy use.



Product Registration Required
Conditions Apply





Small yet versatile.

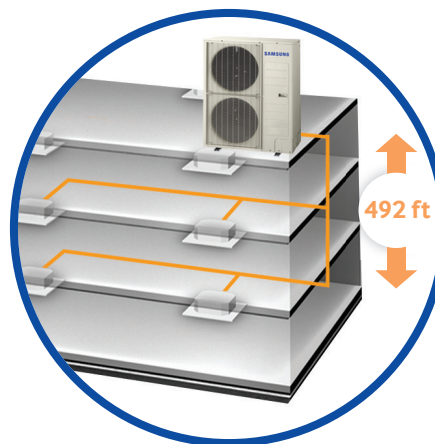
This compact system is the perfect choice for high efficiency heating and cooling of light commercial and larger home needs. A wide range of available indoor units can fit into any residential or light commercial setting.

Cut costs and space.

Eco systems can connect up to 10 indoor units to a single outdoor unit depending on the outdoor model.

The variable speed Eco system can reduce system capacity, providing heating or air conditioning capacity efficiently.

- Long piping length (492 ft. from the outdoor unit to the farthest indoor unit)



Just right.

DVM S Eco Heat Pump and Heat Recovery models are available in 4 capacities:
3, 4, 4.5, and 5 tons

Heat Pump Outdoor Units can connect:

3 tons - Up to 6 indoor units • 4 tons - Up to 8 indoor units • 4.5 tons - Up to 9 indoor units • 5 tons - Up to 10 indoor units

Heat Recovery Outdoor Units can connect:

3 tons - Up to 8 indoor units • 4 tons - Up to 9 indoor units • 4.5 tons and 5 tons - Up to 10 indoor units



It's impressive. Very impressive.

- Heat Pump models have high heating performance to -4°F (-20°C) for the 3, 4, and 4.5 ton units, and -13°F (-25°C) for the 5 ton unit. All Heat Recovery models have high heating performance to -13°F (-25°C).
- Wide variety of indoor units
- Nighttime Quiet Mode offers 3 levels of noise reduction from the outdoor unit
- Snow accumulation prevention of the outdoor unit when the outside temperature falls below 41°F (5°C)
- Wide variety of control options are available – from simple wired controllers, to full control and monitoring options that can be integrated into building automation systems. Visit samsunghvac.com to learn more.
- Optional Wi-Fi adapter available
- Heat Recovery systems add the capability to heat and cool separate zones simultaneously, making it a superior choice for residential and light commercial applications. A Heat Recovery Changer is required, and additional MCU's may be necessary depending on configuration of indoor units, number of indoor units, and connected capacity.

Indoor Units

Capacities shown in Btu/h



360 CASSETTE
9K-48K



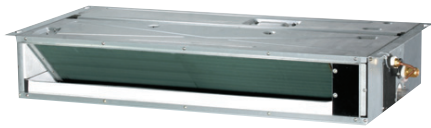
WIND-FREETM* 4-WAY CASSETTE
9K-48K



WIND-FREETM* MINI 4-WAY CASSETTE
5K-20K



WIND-FREETM* 1 WAY CASSETTE
7.5-12K



SLIM DUCT
7.5-48K



H.S.P. DUCT
(High Static Pressure)
54K



DUCTS
7.5-48K



WHISPER
5K-28K



MAX
32K



CEILING / WALL CONVERTIBLE
18K-24K



BIG CEILING
36K-48K



FLOOR STANDING
(concealed type)
6K-24K



FLOOR STANDING
(exposed type)
6K-24K



MULTI-POSITION AIR HANDLER
12K-60K

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered “still air” as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Wi-Fi Adapter



Samsung's Wi-Fi Adapter allows for remote control of Samsung DVM S indoor units from a mobile device when using the the SmartThings App*.

App Features:

- Daily, weekly, and monthly energy consumption monitoring†
- Basic control and monitoring of power, mode, set temperature, room temperature, fan speed, and supply air louver position
- 7-day scheduling for single or multiple units



WI-FI ADAPTER (MIM-H03UN)

One MIM-H03UN Wi-Fi Adapter can control all indoor units connected to a DVM S Eco system. Group configuration allows for simple control of multiple units connected to the same Wi-Fi Adapter.

Individual Control

There are many different ways to control a Samsung system. For applications where a wireless controller is not acceptable (i.e. public facilities), two wired controllers, Touchscreen and Premium, are available to purchase as an option. Based on desired level of control and user interface preference, Samsung offers a variety of controllers suitable for any application. Additionally, a Thermostat Adapter can be applied to control up to two indoor units on the same system simultaneously with a 24VAC thermostat.

Visit samsunghvac.com to learn more.



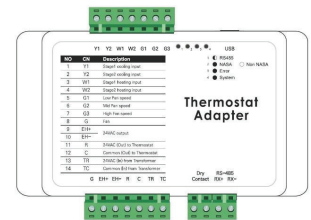
WIRELESS REMOTE CONTROLLER†
AR-EH03E



TOUCHSCREEN CONTROLLER
MWR-SH10N



PREMIUM WIRED CONTROLLER
MWR-WE13N



THERMOSTAT ADAPTER
TADPT2

Central Controls

Samsung's Data Management Server (DMS) lets you monitor and control your on-site air conditioning needs remotely. It's the easiest and most convenient way to manage a large number of air conditioning units at once.

DMS 2.5:

- 24-hour standalone web-server
- No special software required
- All management functions integrated
- Heat pump auto changeover logic
- DMS 2.5 + BACnet and LonWorks available
- BACnet and LonWorks gateways will wire and setup the same as DMS 2.5

Additional control options available. Please refer to samsunghvac.com for all control options, features, and specification.



DMS 2.5
MIM-D01AUN

*Available for download on the App Store® and Google™ Play store.

†Energy consumption data is used for general reference only and should not be used for billing purposes. Data provided will not necessarily match your utility bill.

‡ 360 Cassette models require the AR-KH00U wireless controller.

DVM S Eco

SPECIFICATIONS - 36,000 | 48,000

MODEL	MODEL NUMBER		AM036FXMDCH/AA	AM036NXMDCR/AA	AM048FXMDCH/AA	AM048NXMDCR/AA
	TYPE		HEAT PUMP	HEAT RECOVERY	HEAT PUMP	HEAT RECOVERY
TONS	NOMINAL		3	3	4	4
MAX. INDOOR UNIT CONNECTION	QUANTITY		6	8	8	9
PERFORMANCE	CAPACITY	COOLING	38,000 Btu/h	38,000 Btu/h	48,000 Btu/h	48,000 Btu/h
		HEATING	42,000 Btu/h	42,000 Btu/h	54,000 Btu/h	54,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.20 / 11.20	11.2 / 12.5	10.20 / 10.20	10.2 / 11.5
	SEER (DUCTED / NON-DUCTED)		16.00 / 14.80	17.2 / 22.0	16.00 / 15.80	17.2 / 21.0
	HSPF (DUCTED / NON-DUCTED)		8.60 / 8.80	9.5 / 10.0	9.40 / 8.70	10.4 / 10.7
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		40.0 A	40.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		23.0 A	23.0 A	29.0 A	29.0 A
DIMENSIONS	W X H X D		37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.
	WEIGHT		220.0 lbs.	213.8 lbs.	220.0 lbs.	213.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		52 dB(A)	50 dB(A) / 52 dB(A)	53 dB(A)	51 dB(A) / 53 dB(A)
OPERATING TEMPERATURE °F	OUTDOOR	COOLING	23 (0*) - 118°F	23 (0*) - 118°F	23 (0*) - 118°F	23 (0*) - 118°F
		HEATING	-4 - 75°F	-13 - 75°F	-4 - 75°F	-13 - 75°F
OPERATING TEMPERATURE °C	OUTDOOR	COOLING	-5 (-18*) - 48°C	-5 (-18*) - 48°C	-5 (-18*) - 48°C	-5 (-18*) - 48°C
		HEATING	-20 - 24°C	-25 - 24°C	-20 - 24°C	-25 - 24°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	3/4 in.	5/8 in.	3/4 in.
	HIGH PRESSURE GAS		-	5/8 in.	-	5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	492 ft.	492 ft.	492 ft.	492 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A	R410A
	FACTORY CHARGE		7.1 lbs.	7.1 lbs.	7.1 lbs.	7.1 lbs.
COMPRESSOR	TYPE		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	3,885	3,885	3,885	3,885
	MOTOR	TYPE	BLDC	BLDC	BLDC	BLDC
		OUTPUT	125 x 2 W	125 x 2 W	125 x 2 W	125 x 2 W
ACCESSORIES	WIND BAFFLE/GUARD	FRONT	WBF-1M2	WBF-1M2	WBF-1M2	WBF-1M2
		BACK	WBB-2M	WBB-2M	WBB-2M	WBB-2M



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The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program.
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*With Wind Baffles

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.



DVM S Eco

SPECIFICATIONS - 53,000 | 60,000

MODEL	MODEL NUMBER		AM053FXMDCH/AA	AM053NXMDCH/AA	AM060MXMDCH/AA	AM060NXMDCH/AA
	TYPE		HEAT PUMP	HEAT RECOVERY	HEAT PUMP	HEAT RECOVERY
TONS	NOMINAL		4.5	4.5	5	5
MAX. INDOOR UNIT CONNECTION	QUANTITY		9	10	10	10
PERFORMANCE	CAPACITY	COOLING	53,000 Btu/h	53,000 Btu/h	60,000 Btu/h	60,000 Btu/h
		HEATING	61,000 Btu/h	61,000 Btu/h	66,000 Btu/h	66,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.45 / 10.30	9.45 / 11.5	11.20 / 11.20	11.2 / 11.2
	SEER (DUCTED / NON-DUCTED)		15.50 / 18.50	17.5 / 20.0	17.60 / 20.60	17.6 / 20.6
	HSPF (DUCTED / NON-DUCTED)		8.60 / 8.80	10.0 / 11.0	11.00 / 11.50	11.0 / 11.5
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		50.0 A	50.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		34.0 A	34.0 A	32.0 A	32.0 A
DIMENSIONS	W X H X D		37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.	37 X 55 29/32 X 13 in.	37 X 55 29/32 X 13 in.
	WEIGHT		227.1 lbs.	220.5 lbs.	275.6 lbs.	275.6 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		55 dB(A)	53 dB(A) / 55 dB(A)	60 dB(A)	58 dB(A) / 59 dB(A)
OPERATING TEMPERATURE °F	OUTDOOR	COOLING	23 (0*) - 118°F	23 (0*) - 118°F	23 (0*) - 118°F	23 (0*) - 118°F
		HEATING	-4 - 75°F	-13 - 75°F	-13 - 75°F	-13 - 75°F
OPERATING TEMPERATURE °C	OUTDOOR	COOLING	-5 (-18*) - 48°C	-5 (-18*) - 48°C	-5 (-18*) - 48°C	-5 (-18*) - 48°C
		HEATING	-20 - 24°C	-25 - 24°C	-25 - 24°C	-25 - 24°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		3/4 in.	3/4 in.	3/4 in.	3/4 in.
	HIGH PRESSURE GAS		-	5/8 in.	-	5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	492 ft.	492 ft.	492 ft.	492 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A	R410A
	FACTORY CHARGE		7.3 lbs.	7.3 lbs.	8.2 lbs.	8.2 lbs.
COMPRESSOR	TYPE		Twin BLDC Rotary	Twin BLDC Rotary	Flash Injected Inverter Scroll	Flash Injected Inverter Scroll
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	3,885	3,885	4,767	4,767
	MOTOR	TYPE	BLDC	BLDC	BLDC	BLDC
		OUTPUT	125 x 2 W	125 x 2 W	139 x 2 W	139 x 2 W
ACCESSORIES	WIND BAFFLE/GUARD	FRONT	WBF-1M2	WBF-1M2	WBF-6M	WBF-6M
		BACK	WBB-2M	WBB-2M	WBB-8M	WBB-8M



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ECOBRE 07.2018 - V4