

SAMSUNG

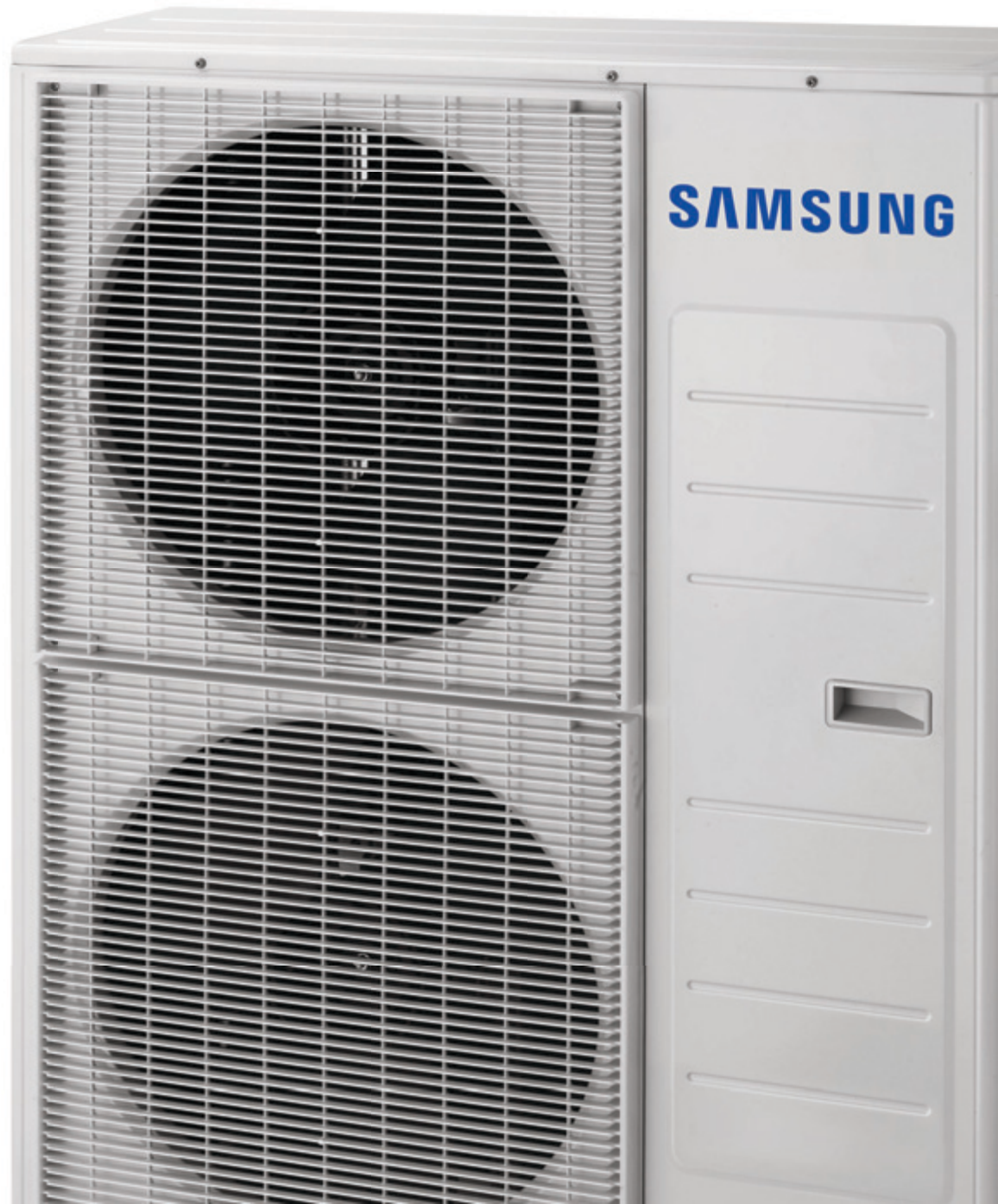
DVM S Eco

Small and mighty.

With multiple capacities for residential and light commercial applications, the DVM S Eco system gives you performance, efficiency and savings in a smaller footprint.



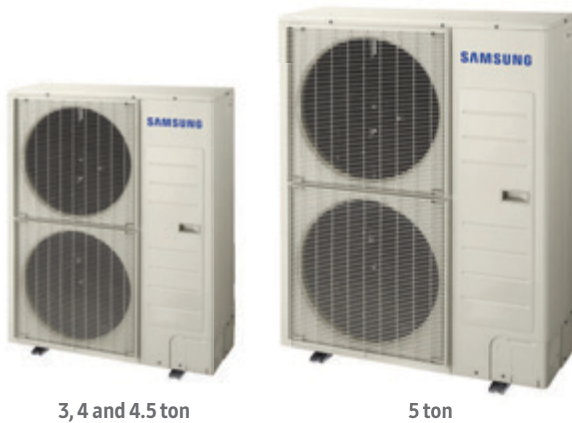
Product Registration Required
Conditions Apply





Small yet versatile.

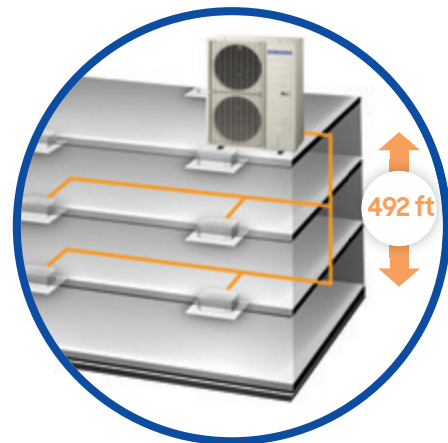
This compact system is the perfect choice for high efficiency heating and cooling of residential and light commercial needs.



- Heat Pump and Heat Recovery¹ models
- 208-230V / 60Hz / 1 Ø
- 3, 4, 4.5, and 5 ton single modules
- Connect up to 10 indoor units
 - 3 ton – Up to 8
 - 4 ton – Up to 9
 - 4.5 and 5 ton – Up to 10

Cut costs and space.

DVM S Eco systems offer installation flexibility with maximum piping length up to 492 ft., vertical separation² up to 164 ft. between the outdoor unit and lowest indoor unit (when the outdoor unit is above the indoor units) and 131 ft. between the highest and lowest indoor unit (when the outdoor unit is below the indoor units).





It's impressive. Very impressive.

- High heating performance at -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 wired controllers to full control and monitoring options that can be integrated into building automation systems.
- 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 HR 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

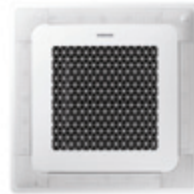
Capacities shown in Btu/h



360 CASSETTE
9K-48K



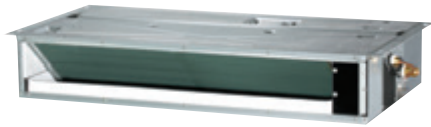
WIND-FREE™ 4-WAY CASSETTE
6K-48K



WIND-FREE™ MINI 4-WAY CASSETTE
5K-20K



WIND-FREE™ 1-WAY CASSETTE
7.5K-12K



SLIM DUCT
7.5K-48K



HSP DUCT
(High Static Pressure)
54K



DUCTS
6K-48K



WIND-FREE™ 2.0
5K-28K



MAX
32K



UNDER CEILING
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 and monitoring of Samsung indoor units from a mobile device (Android or iOS) when using the Samsung Smart Home 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-H04UN

One MIM-H04UN 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), the Touchscreen and Advanced wired controllers are available to purchase as an option. 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-EH04U



TOUCHSCREEN WIRED CONTROLLER
MWR-SH11UN



ADVANCED WIRED CONTROLLER
MWR-WG00UN



THERMOSTAT ADAPTER
MIM-A60UN

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 connect and setup the same as DMS 2.5



DMS 2.5
MIM-D01AUN

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

*Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
†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-KH03U wireless controller.
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DVM S Eco

SPECIFICATIONS - 36,000 | 48,000

MODEL	MODEL NUMBER		AM036TXMDCH/AA	AM036NXMDCR/AA	AM048TXMDCH/AA	AM048NXMDCR/AA
	TYPE		HEAT PUMP	HEAT RECOVERY	HEAT PUMP	HEAT RECOVERY
TONS	NOMINAL		3	3	4	4
MAX. INDOOR UNIT CONNECTION	QUANTITY		8	8	9	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 / 12.50	11.20 / 11.50	10.20 / 11.50	10.20 / 11.50
	SEER (DUCTED / NON-DUCTED)		17.20 / 22.00	17.20 / 22.00	17.20 / 21.00	17.20 / 21.00
	HSPF (DUCTED / NON-DUCTED)		9.50 / 10.00	9.50 / 10.00	10.40 / 10.70	10.40 / 10.70
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		216.1 lbs.	213.8 lbs.	216.1 lbs.	213.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		50 dB(A) / 52 dB(A)	50 dB(A) / 52 dB(A)	51 dB(A) / 53 dB(A)	51 dB(A) / 53 dB(A)
OPERATING TEMPERATURE °F	OUTDOOR	COOLING	0.0 - 118.0°F	0.0 - 118.0°F	0.0 - 118.0°F	0.0 - 118.0°F
		HEATING	-13.0 - 75.0°F	-13.0 - 75.0°F	-13.0 - 75.0°F	-13.0 - 75.0°F
OPERATING TEMPERATURE °C	OUTDOOR	COOLING	-18.0 - 48.0°C	-18.0 - 48.0°C	-18.0 - 48.0°C	-18.0 - 48.0°C
		HEATING	-25.0 - 24.0°C	-25.0 - 24.0°C	-25.0 - 24.0°C	-25.0 - 24.0°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 PIPE		-	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		71 lbs.	71 lbs.	71 lbs.	71 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. For verification of individual certified products, go to www.ahridirectory.org.



DVM S Eco

SPECIFICATIONS - 53,000 | 60,000

MODEL	MODEL NUMBER		AM053TXMDCH/AA	AM053NXMDCR/AA	AM060MXMDCH/AA	AM060NXMDCR/AA
	TYPE		HEAT PUMP	HEAT RECOVERY	HEAT PUMP	HEAT RECOVERY
TONS	NOMINAL		4.5	4.5	5	5
MAX. INDOOR UNIT CONNECTION	QUANTITY		10	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 / 11.50	9.45 / 11.50	10.90 / 11.20	10.90 / 11.20
	SEER (DUCTED / NON-DUCTED)		17.50 / 20.00	17.50 / 20.00	17.10 / 20.60	17.10 / 20.60
	HSPF (DUCTED / NON-DUCTED)		10.00 / 11.00	10.00 / 11.00	10.90 / 11.50	10.90 / 11.50
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 CAPACITY		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 15/16 X 13 in.	37 X 55 15/16 X 13 in.
	WEIGHT		227.0 lbs.	220.5 lbs.	275.6 lbs.	275.6 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		53 dB(A) / 55 dB(A)	53 dB(A) / 55 dB(A)	50 dB(A) / 60 dB(A)	58 dB(A) / 59 dB(A)
OPERATING TEMPERATURE °F	OUTDOOR	COOLING	0.0 - 118.0°F	0.0 - 118.0°F	0.0 - 118.0°F	0.0 - 118.0°F
		HEATING	-13.0 - 75.0°F	-13.0 - 75.0°F	-13.0 - 75.0°F	-13.0 - 75.0°F
OPERATING TEMPERATURE °C	OUTDOOR	COOLING	-18.0 - 48.0°C	-18.0 - 48.0°C	-18.0 - 48.0°C	-18.0 - 48.0°C
		HEATING	-25.0 - 24.0°C	-25.0 - 24.0°C	-25.0 - 24.0°C	-25.0 - 24.0°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.	3/4 in.	3/4 in.
	HIGH PRESSURE GAS PIPE		-	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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