

# DVMS Specification - Outdoor Units



## DVMS Eco

DIGITAL VARIABLE MULTI

- Top-class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level
- New Communication Protocol

Model Name	AM040FXMDEH	AM050FXMDEH	AM060FXMDEH	AM040FXMDGH	AM050FXMDGH	AM060FXMDGH	AM080FXMDGH	
Power Supply	Φ, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	4.00	5.00	6.00	4.00	5.00	
		KW	12.10	14.00	15.50	12.10	14.00	15.50
	Capacity (Nominal)	Cooling	Btu/h	41,300	47,800	52,900	41,300	47,800
		Heating	Btu/h	46,100	54,600	61,400	46,100	54,600
Power	Power Input (Nominal)	Cooling (1)	KW	2.89	3.69	4.31	2.89	3.68
		Heating (2)	KW	3.02	3.60	4.40	3.02	3.61
	Current Input (Nominal)	Cooling (1)	A	14.00	17.80	21.00	4.80	6.20
		Heating (2)	A	15.10	17.20	20.20	5.00	6.00
	MCA		22.00 (MCA)	24.00 (MCA)	32.00 (MCA)	10.00 (MCA)	12.00 (MCA)	12.00 (MCA)
	MFA		27.50	30.00	40.00	16.10	16.10	25.00
COP	Nominal Cooling	-	4.19	3.79	3.60	4.19	3.80	
	Nominal Heating	-	4.47	4.44	4.09	4.47	4.10	
Compressor	Type	-	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	
	Output	KW x n	(4.12)	(4.12)	(4.12)	(4.12)	(4.12)	
	Model Name	-	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	
	Oil	Type	POE	POE	POE	POE	PVE	
Fan	Initial Charge	cc	1700	1700	1700	1700	2300	
	Type	-	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	
Piping Connections	Output x n	W	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2	180.0 x 2	
	Air Flow Rate	CMM	110	100	110	100	135	
	External Static Pressure	Max.	mmHq	-	-	-	-	
		Pa	-	-	-	-	-	
Field Wiring	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	19.05	15.88	19.05	
		Φ, inch	5/8"	5/8"	3/4"	5/8"	3/4"	
	Discharge Gas Pipe (HR)	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
Refrigerant	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
Sound	Installation	Max. Length	m	150(175)	150(175)	150(175)	100(100)	
	Limitation	Max. Height	m	50.0(40.0)	50.0(40.0)	50.0(40.0)	30.0(30.0)	
External Dimension	Power Source Wire	mm2	-	-	-	-	-	
	Transmission Cable	mm2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Operating Temp. Range	Type	-	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	3.20	3.20	3.20	3.20	3.20	
Sound	Sound Pressure	dB(A)	50.0	51.0	53.0	50.0	56.0	
	Sound Power	dB(A)	66.0	67.0	69.0	66.0	74.0	
External Dimension	Net Weight	kg	100.0	100.0	103.0	100.0	135.0	
	Shipping Weight	kg	105.0	105.0	108.0	105.0	145.0	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330	
	Shipping Dimensions (WxHxD)	mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,578 x 426	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 24.0	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.