

Chillers with DVM VRF efficiency



The new Samsung DVM Chiller Range



- DVM VRF efficiency ensures large electricity savings
- 3 models from 15 to 25 HP
- ESEER of up to 5.7
- Ideal replacement for old-style chillers
- Easy installation in smaller space
- No cooling tower required
- Can provide both hot and cold water
- Backed nationwide by Fourways Airconditioning South Africa



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New Samsung DVM Chiller range

Ideal as a replacement for older water-cooled units, the new Samsung DVM Chiller range brings new levels of electricity-savings to the South African market. Combining the strengths of both VRF and Chiller systems, Samsung's new DVM Chiller provides world-class energy efficiency: an ESEER of up to 5.7. With the ability to be integrated with existing water piping already in place, the new Samsung DVM Chillers take up less space, do not require a cooling tower and offer integrated control. Backed nationwide by Fourways Airconditioning with branches in all major metropolitan areas.



SPECIFICATIONS

Type			DVM Chiller	DVM Chiller	DVM Chiller	
Model Name			AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	
Power Supply		Φ, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	15	20	25	
	Ton	usRT	12	16	18.5	
	Capacity (Nominal)	Cooling	kW	42.0	56.0	65.0
		Heating	kW	42.0	56.0	69.5
Power	Power Input (Nominal)	Cooling	kW	12.35	18.67	26.00
		Heating		11.83	17.50	24.39
	Current Input (Nominal)	Cooling	A	19.6	29.6	41.2
		Heating		18.8	27.8	38.7
	MCA	A	32.0	46.0	58.0	
	MFA	A	40	60	75	
COP	Nominal Cooling	W/W	3.40	3.00	2.50	
	Nominal Heating	W/W	3.55	3.20	2.85	
Efficiency	ESEER	W/W	5.7	5.4	5.0	
Compressor	Type	-	Scroll Inverter	Scroll Inverter	Scroll Inverter	
	Output	kW × n	6.76 × 2	6.76 × 2	6.76 × 2	
	Model Name	-	DS-GB070FAVA	DS-GB070FAVA	DS-GB070FAVA	
	Oil	Type	-	PVE	PVE	PVE
Fan	Type	-	Propeller	Propeller	Propeller	
	Output x n	W	630 × 2	630 × 2	630 × 2	
	Air Flow Rate	CMM	364 (182 × 2)	364 (182 × 2)	392 (196 × 2)	
	External Static Pressure	Max.	mmAq	8.0	8.0	8.0
Water Side Heat Exchanger	Type	-	Brazing Plate	Brazing Plate	Brazing Plate	
	Q'Ty	EA	2	2	2	
	Water Flow Rate (Cooling / Heating)	LPM	120 / 120	160 / 160	186 / 200	
	Pressure Drop (Set, Nominal)	kPa	60	100	120	
	Max Operating Pressure	MPa	1.0	1.0	1.0	
	Connection Type	-	FLANGE	FLANGE	FLANGE	
	Pipe connection (Inlet / Outlet) (Nominal)	Φ, mm	40	40	50	
Φ, inch		1 1/2"	1 1/2"	2"		
Field Wiring	Power Source Wire	mm2	-	-	-	
	Transmission Cable	mm2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	18.0	18.0	18.0	
Sound	Sound Pressure	dB(A)	60.0	62.0	63.0	
	Sound Power		80.0	83.0	85.0	
External Dimension	Net Weight	kg	446	446	465	
	Shipping Weight	kg	468	468	487	
	Net Dimensions (WxHxD)	mm	1,795 x 1,695 x 765	1,795 x 1,695 x 765	1,795 x 1,695 x 765	
	Shipping Dimensions (WxHxD)	mm	1,900 x 1,887 x 919	1,900 x 1,887 x 919	1,900 x 1,887 x 919	
Operating Water Temp. Range	Cooling	°C	5 ~ 25	5 ~ 25	5 ~ 25	
	Cooling (If using brine)	°C	-10~25	-10~25	-10~25	
	Heating	°C	25 ~ 55	25 ~ 55	25 ~ 55	
Operating Water flow Range	Water Flow Rate	LPM	60 ~ 240	80 ~ 320	93 ~ 400	
	Minimum water storage in the system	L	294	392	490	
Operating Amb. Temp. Range	Cooling	°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	
	Heating	°C	-25 ~ 43	-25 ~ 43	-25 ~ 43	

Due to Samsung's policy of constant improvement, specifications are subject to change without notice. E&OE.

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