SAMSUNG

Samsung MSP Duct (R32)

The Samsung MSP Duct air conditioning system is suitable not only for a broad range of work environments, but also in domestic or recreational settings.

Automatic External Static Pressure (ESP) setting

The Automatic External Static Pressure setting enables users to choose the optimal operating range for the fan. The result is the greatest possible comfort with an optimal balance between sound level and capacity. The feature is very simple to set up.

Large and Reliable Coverage

The MSP Duct design has the advantage of producing greater static pressure than most other slim duct units. This provides the opportunity of creating more inlets and outlets, benefiting users by offering a more flexible range of installation options. In turn, this results in larger and more reliable coverage areas, servicing more people with even more cool or warm air for longer.

WiFi Control

Temperatures in your building can be managed remotely using the SmartThings App[1]. Turning it on and off, selecting the cooling mode, scheduling its operation or monitoring the power consumption is just one touch away. The Bixby 2.0 Artificial Intelligence (AI) system[2] analyses and predicts your needs so it can suggest the best settings for inside your home.

[1] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required.
[2] Voice control is supported in English.

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- External static pressure range from 0 to 147Pa.
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPi Ioniser (optional).*

*Our products have not been tested for their effects on the COVID-19 virus.
Therefore, we do not make or give any express or implied claims or guarantees with regard to COVID-19.

Specifications

*3-phase unit available.

Model No.	Indoor Unit		AC035RNMDKG/EU	AC052RNMDKG/EU	AC071RNMDKG/EU	AC100RNMDKG/EU	AC120RNMDKG/EU	AC120RNMDKG/EU
	Outdoor Unit (1-phase)		AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU*	AC120RXADKG/EU*	AC120RXADKG/EU*
Capacity	Cooling	kW	3.50(0.80-4.40)	5.00(1.20-6.50)	6.80(1.50-8.70)	10.00(3.00-12.00)	12.00(3.00-13.50)	13.40(3.50-15.50)
	Heating		4.00(1.10-4.70)	6.00(1.10-7.20)	8.00(1.90-9.00)	11.20(2.20-15.50)	13.20(2.50-17.00)	15.50(3.50-18.00)
UK Capacity	Sensible cooling	kW	2.59	3.69	4.69	7.23	8.67	9.41
Efficiency	EER	W/W	3.43	3.13	2.93	2.90	2.66	2.90
	COP[1]		3.48	3.66	3.20	3.20	3.42	3.34
	SEER[1]	W/W	6.4/ A++	6.3/ A++	6.1/ A++	5.9/ A+	5.8/ A+	6.0/ A+
	SCOP[1]		4.1/ A+	4.1/ A+	4.0/ A+	4.0/ A+	4.0/ A+	4.0/ A+
Annual Energy Consumption	Cooling	kWh/a	191	278	390	593	-	-
	Heating		683	820	1,295	1,820	-	-
Sound Pressure	Indoor (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30	37/34/30
	Outdoor (Cooling/Heating)		48/48	48/48	49/51	52/54	54/56	53/54
Sound Power	Indoor Unit	dB(A)	52	55	56	58	62	62
	Outdoor Unit		61	62	65	69	69	69
Airflow Rate	Indoor Cooling (H/M/L)	l/s	173.3/153.3/133.3	241.6/200/158.3	283.3/233.3/183.3	467/417/367	550/467/383	550/467/383
	Heating (H/M/L)	l/s	173.3/153.3/133.3	241.6/200/158.3	283.3/233.3/183.3	467/417/367	550/467/383	550/467/383
	Outdoor	l/s	500	667	850	1,200	1,200	1,833
Dimensions (W x H x D)	Indoor	mm	850x250x700	850x250x700	850x250x700	1,200x250x700	1,300x300x700	1,300x300x700
	Outdoor		790x548x285	880x638x310	880x798x310	940x998x330	940x998x330	940x1,210x330
Net Weight	Indoor Unit	kg	26.5	26.5	26.5	34.0	38.5	38.5
	Outdoor Unit		32.5	43.5	51.0	75.0	81.0	91.5
Refrigerant	Pipe Size Gas	inch	3/8	1/2	5/8	5/8	5/8	5/8
	Liquid		1/4	1/4	1/4	3/8	3/8	3/8
	Std/Max Pipe Length (Height)	m	5/20 (15)	5/30 (20)	5/50 (30)	5/50 (30)	5/50 (30)	5/75 (30)
	Pre Charge to		20	10	15	30	30	30
	Factory Charging	kg	0.9	1.2	1.7	2.7	2.7	2.9
	Additional Charge	g/m	-	-	25	50	50	50
	CO_2 Equivalent (R32 - GWP 675)	tCO_2e	0.61	0.81	1.15	1.82	1.82	1.96
Electrical	Power Supply	V, Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz
	Power Input Cooling	kW	0.35 / 1.60 / 2.20	0.24 / 1.15 / 1.80	0.35 / 2.32 / 3.60	0.60 / 3.44 / 4.70	0.90/4.50 / 5.30	0.80 / 4.62 / 6.45
	Heating		0.24 / 1.15 / 1.80	0.26 / 1.64 / 2.70	0.35 / 2.50 / 3.95	0.46 / 3.50 / 5.40	0.70/3.86 / 5.60	0.70 / 4.64 / 7.36
	Current Input Cooling	A	1.4 / 5.0 / 6.2	2.1 / 7.2 / 10.0	2.0 / 10.4 / 16.0	3.0 / 15.2 / 20.4	5.0/19.7 / 24.0	3.7 / 20.0/28.0
	Heating		1.3 / 5.4 / 10.5	1.7 / 7.4 / 12.0	2.0 / 10.8 / 17.0	2.5 / 15.4 / 23.0	4.0/17.1 / 26.0	3.5 / 20.0 / 32.0
	MCA	A	12.5	19.0	19.0	26.5	26.5	34.5
	MFA		13.8	20.9	20.9	30.0	30.0	40.0
	Interconnecting Communiction Cable	mm²	Screened 0.75-1.5mm², 2 Core, F1 F2 Connection					

[1] Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Accessories

Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Wireless Receiver Kit	Touch Controller	Premium Wired Controller	Wi-Fi Kit	Remote Temperature Sensor	SPi Ioniser
MDP-G075SP	MDP-G075SQ	AR-EH03E	MRK-A10N	MWR-SH11N	MWR-WG00JN	MIM-H04EN	MRW-TA	MSD-EAN1