



**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<sup>1</sup>. 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<sup>2</sup> analyses and predicts your needs so it can suggest the best settings for inside your home.

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

# Samsung MSP Duct R32

- 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		2.59	3.69	4.69	7.23	8.67	9.41	
	EER		3.43	3.13	2.93	2.90	2.66	2.90	
Efficiency	COP <sup>1</sup>		3.48	3.66	3.20	3.20	3.42	3.34	
	SEER <sup>1</sup>		6.4/ A++	6.3/ A++	6.1/ A++	5.9/ A+	5.8/ A+	6.0/ A+	
	SCOP <sup>1</sup>		4.1/ A+	4.1/ A+	4.0/ A+	4.0/ A+	4.0/ A+	4.0/ A+	
	Annual Energy Consumption		kWh/a	191	278	390	593	-	-
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	70	69	
Airflow Rate	Indoor	Cooling (H/M/L)	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)	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		500	667	850	1,200	1,200	1,833	
Dimensions (W x H x D)	Indoor		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	
Electrical	CO <sub>2</sub> Equivalent (R32 - GWP 675)		tCO <sub>2</sub> e	0.61	0.81	1.15	1.82	1.82	1.96
	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		A	13.8	20.9	20.9	30.0	30.0	40.0
	Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection					

<sup>1</sup> 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

# SAMSUNG



## Samsung LSP Duct R32

The Samsung Slim Duct has the option to set up the air inlet on either the bottom or rear of the unit so that it can be customised to suit any business environment.

### Slim Design

Only 199mm thick, the Slim Duct can be concealed almost anywhere. The slimmest Samsung model is more than 20mm thinner than its two most similar models. Its slender design is not only highly elegant, it makes installation, maintenance and repair quick and easy, rendering it more suitable and effective to a wider range of businesses.

### Easy to Maintain

The Slim Duct is designed to allow easy access for maintenance. By simply opening the bottom panel of the unit, users can access parts easily, reducing the downtime period dedicated to servicing, and minimising the financial impact on your business.

### WiFi Control

Temperatures in your building can be managed remotely using the SmartThings App<sup>1</sup>. 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<sup>2</sup> analyses and predicts your needs so it can suggest the best settings for inside your home.

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

# Samsung LSP Duct R32

- Depth of just 199mm.
- Fan with inverter motor.
- 750 mm H2O condensation drain pump (optional).



## Specifications

Model No.	Indoor Unit		AC026RNLDKG/EU	AC035RNLDKG/EU	AC052RNLDKG/EU	AC071RNLDKG/EU	
	Outdoor Unit (1-phase)		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Capacity	Cooling	kW	2.60 (0.8-3.80)	3.50(0.85-4.30)	5.00(1.20-6.50)	7.10 (1.50-8.70)	
	Heating	kW	3.30(0.98-4.30)	4.00(1.00-5.00)	6.00(1.10-7.20)	8.00(1.90-9.00)	
UK Capacity	Sensible cooling	kW	1.94	2.44	3.59	5.09	
Efficiency	EER	W/W	3.82	3.12	2.96	2.98	
	COP <sup>1</sup>	W/W	3.79	3.31	3.45	3.36	
	SEER <sup>1</sup>	W/W	6.2/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	6.0/ <span style="color: green;">A+</span>	
	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	3.9/ <span style="color: yellow;">A</span>	3.9/ <span style="color: yellow;">A</span>	
Annual Energy Consumption	Cooling	kWh/a	147	201	287	414	
	Heating	kWh/a	700	700	862	1,328	
Sound Pressure	Indoor (H/M/L)	dB(A)	32/29/26	33/30/27	33/30/27	37/32/27	
	Outdoor (Cooling/Heating)	dB(A)	46/47	48/48	48/48	49/51	
Sound Power	Indoor Unit	dB(A)	53	53	55	59	
	Outdoor Unit	dB(A)	59	61	62	65	
Airflow Rate	Indoor	Cooling (H/M/L)	l/s	150 / 136.6 / 123.3	158.3 / 141.6 / 125	225 / 191.6 / 158.3	316.6 / 241.6 / 166.6
		Heating (H/M/L)	l/s	166.6 / 150 / 133.3	166.6 / 150 / 133.3	266.6 / 233.3 / 200	316.6 / 241.6 / 166.6
	Outdoor	l/s	500	500	667	850	
Dimensions (W x H x D)	Indoor	mm	700 x 199 x 600	700 x 199 x 600	1,100 x 200 x 450	1,100 x 200 x 450	
	Outdoor	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	
Net Weight	Indoor Unit	kg	19.0	19.0	23.5	23.5	
	Outdoor Unit	kg	32.5	32.5	43.0	51.0	
Refrigerant	Pipe Size	Gas	3/8	3/8	1/2	5/8	
		Liquid	1/4	1/4	1/4	1/4	
	Std./Max Pipe Length (Height)	m	5/20/(15)	5/20/(15)	5/30/(20)	5/50/(30)	
	Pre Charge to	kg	20	20	10	15	
	Factory Charging	kg	0.9	0.9	1.2	1.7	
	Additional Charge	g/m	-	-	15	25	
CO <sub>2</sub> Equivalent (R32 - GWP 675)	tCO <sub>2</sub> e		0.61	0.61	0.81	1.15	
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	
	Power Input	Cooling	kW	0.19/0.68/1.20	0.20/1.12/1.40	0.35/1.69/2.20	0.35/2.38/3.60
		Heating	kW	0.20/0.87/1.45	0.19/1.21/1.80	0.26/1.74/2.70	0.35/2.38/3.95
	Current Input	Cooling	A	1.5/3.6/5.5	1.6/5.4/6.5	2.1/7.7/10.0	2.0/10.5/16.0
		Heating	A	1.3/4.5/7.0	1.3/5.8/10.5	1.7/7.8/12.0	2.0/10.4/17.0
	MCA	A	11.7	11.7	18.2	18.2	
MFA	A	12.9	12.9	20.6	20.6		
Interconnecting Communication Cable	mm <sup>2</sup>		Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection				

<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories							
Lift Pump (optional)	Wireless Remote Controller	Wireless Receiver Kit	Touch Controller	Premium Wired Controller	Wi-Fi Kit	Remote Temperature Sensor	
MDP-E075SEE3D (Sizes 2.6 & 3.5kW Int. mounted)	Drain Pump MDP-G075SP (Sizes 5.2 & 7.1kW Ext. mounted)	AR-EH03E	MRK-A10N	MWR-SH11N	MWR-WG00JN	MIM-H04EN	MRW-TA