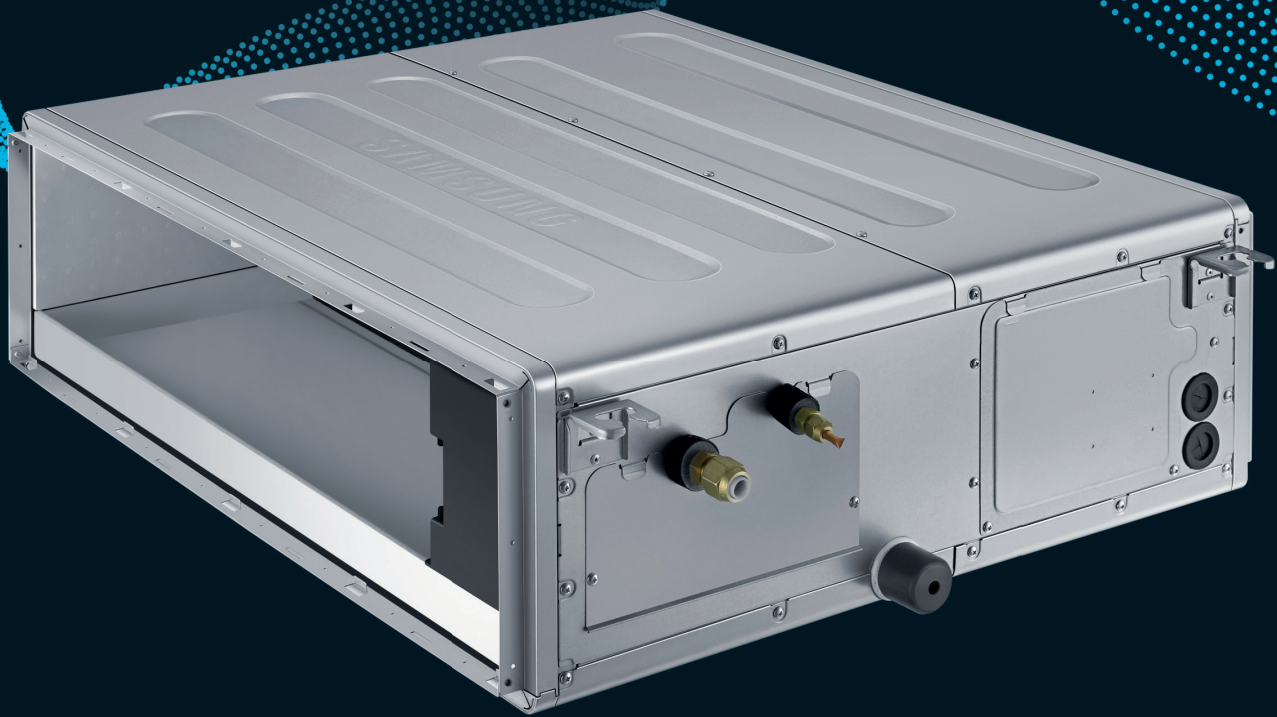


**SAMSUNG**  
Climate Solutions



**Medium Static Ducted**

# Medium Static Ducted

- External static pressure range from 0 to 147 Pa.
- Long-life washable permanent filter is included.
- Automatic ESP setting.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Optional condensation drain pump with 750mm H<sub>2</sub>O maximum lifting height and 24 litres/h displacement (available as internal assembly or external assembly).



## Specifications

Model		Outdoor Indoor	AC035RXADKG/EU AC035RNMDKG/EU	AC052RXADKG/EU AC052RNMDKG/EU	AC071RXADKG/EU AC071RNMDKG/EU
<b>Electrical</b>					
Power Supply	Outdoor	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
	Indoor	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
MCA	System (Outdoor/Indoor)	A	12.5 (10.0 / 2.5)	19.0 (16.5 / 2.5)	19.0 (16.5 / 2.5)
MFA	System	A	13.8	20.9	20.9
Minimum SSC value	Outdoor	MVA	Not Applicable	Not Applicable	Not Applicable
Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection		
<b>Performance<sup>1</sup></b>					
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	3.5 (2.7)	5.0 (3.8)	6.8 (4.9)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	3.3 (2.6)	4.8 (3.7)	6.4 (4.7)
Nominal Heating Capacity		kW	4.0	6.0	8.0
Operating Temperature Range	Cooling	°C	-15.0 – 46.0 °C	-15.0 – 50.0 °C	-15.0 – 50.0 °C
	Heating	°C	-20.0 – 24.0 °C	-20.0 – 24.0 °C	-20.0 – 24.0 °C
<b>Energy Efficiency<sup>2</sup></b>					
Rated Efficiency	EER (Nominal Cooling)	W/W	3.43	3.13	2.93
	COP (Nominal Heating)	W/W	3.48	3.66	3.20
Seasonal Efficiency	SEER / Energy Label	W/W	6.4 / <b>A++</b>	6.3 / <b>A++</b>	6.1 / <b>A++</b>
	SCOP / Energy Label	W/W	4.1 / <b>A+</b>	4.1 / <b>A+</b>	4.0 / <b>A+</b>
<b>Air Flow Rate</b>					
Indoor Unit Airflow Rate	H/M/L	l/s	173.3 / 153.3 / 133.3	241.6 / 200 / 158.3	283.3 / 233.3 / 183.3
Indoor Unit Static Pressure	Min/Std/Max	Pa	0.0 / 25.0 / 147.0	0.0 / 29.0 / 147.0	0.0 / 29.0 / 147.0
Outdoor Unit Airflow Rate		l/s	500	667	850
<b>Piping Connections</b>					
Liquid Pipe		ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Pipe		ø, mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Pipe		ø, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Max Piping Length (Height)		m	20 (15)	30 (20)	50 (30)
<b>Refrigerant</b>					
Type			R32 (Fluorinated greenhouse gas, GWP=675)		
Factory Charging		kg	0.9	1.2	1.7
		tCO <sub>2e</sub>	0.61	0.81	1.15
Precharge to		m	20	10	15
Additional Charge		g/m	-	15	25
<b>Sound</b>					
Indoor Sound Pressure Level	H/M/L	dB(A)	28 / 25 / 22	29 / 26 / 23	30 / 27 / 24
Indoor Sound Power Level		dB(A)	52	55	56
Outdoor Sound Pressure Level	Cooling / Heating	dB(A)	48 / 48	48 / 48	49 / 51
Outdoor Sound Power Level		dB(A)	61	62	65
<b>Dimensions</b>					
Net Weight	Indoor Unit/Outdoor Unit	kg	26.5 / 32.5	26.5 / 43.0	26.5 / 51.0
Indoor Unit Net Dimensions	W x H x D	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
Outdoor Unit Net Dimensions	W x H x D	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310

### Accessories

Wireless Remote Controller	Touch Wired Controller	Premium Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Room Sensor	Drain Pump	Drain Pump
AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MDP-G075SP (external assembly)	MDP-G075SQ (internal assembly)

<sup>1</sup> Performances are based on the following design conditions:

- Nominal Cooling Capacity: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB

- Nominal Heating Capacity: Indoor temperature 20°C DB, Outdoor temperature 7°C DB, 6°C WB

- UK Cooling Capacity: Indoor temperature 23°C DB, 16°C WB, Outdoor temperature 30°C DB

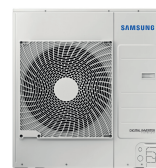
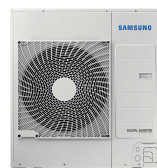
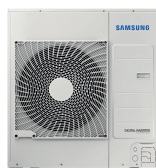
<sup>2</sup> For units with capacity up to 12kW: Efficiencies as shown are according to EU No 206/2012 (LOT10) Ecodesign requirements for air conditioners.

For units with capacity up to 12kW: Energy labels as shown are according to EU No 626/2011 (LOT10) Label classification 2019, on a scale from D to A+++.

For units with capacity greater than 12kW: Efficiencies as shown are according to EU No 2016/2281 (LOT 21) Ecodesign requirements for heat pumps/air conditioners.

# Medium Static Ducted

- External static pressure range from 0 to 147 Pa.
- Long-life washable permanent filter is included.
- Automatic ESP setting.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Optional condensation drain pump with 750mm H<sub>2</sub>O maximum lifting height and 24 litres/h displacement (available as internal assembly or external assembly).



## Specifications

Model		Outdoor Indoor	AC100RXADKG/EU AC100RNMDKG/EU	AC100RXADNG/EU AC100RNMDKG/EU	AC120RXADKG/EU AC120RNMDKG/EU
<b>Electrical</b>					
Power Supply	Outdoor	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
	Indoor	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
MCA	System (Outdoor/Indoor)	A	26.5 (24.0 / 2.5)	18.6 (16.1 / 2.5)	26.5 (24.0 / 2.5)
MFA	System	A	30.0	20.0	30.0
Minimum SSC value	Outdoor	MVA	1.4	2.5	1.9
Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection		
<b>Performance<sup>1</sup></b>					
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	10.0 (7.5)	10.0 (7.5)	12.0 (9.0)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	9.5 (7.2)	9.5 (7.2)	11.4 (8.6)
Nominal Heating Capacity		kW	11.2	11.2	13.2
Operating Temperature Range	Cooling	°C	-15.0 – 50.0 °C	-15.0 – 50.0 °C	-15.0 – 50.0 °C
	Heating	°C	-20.0 – 24.0 °C	-20.0 – 24.0 °C	-20.0 – 24.0 °C
<b>Energy Efficiency<sup>2</sup></b>					
Rated Efficiency	EER (Nominal Cooling)	W/W	2.90	2.92	2.66
	COP (Nominal Heating)	W/W	3.20	3.27	3.42
Seasonal Efficiency	SEER / Energy Label	W/W	5.9 /	5.9 /	5.8 /
	SCOP / Energy Label	W/W	4.0 /	4.0 /	4.0 /
<b>Air Flow Rate</b>					
Indoor Unit Airflow Rate	H/M/L	l/s	467 / 417 / 367	467 / 417 / 367	550 / 467 / 383
Indoor Unit Static Pressure	Min/Std/Max	Pa	0.0 / 39.2 / 147.0	0.0 / 39.2 / 147.0	0.0 / 51.0 / 147.0
Outdoor Unit Airflow Rate		l/s	1,200	1,200	1,200
<b>Piping Connections</b>					
Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Gas Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Drain Pipe		ø, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Max Piping Length (Height)		m	50 (30)	50 (30)	50 (30)
<b>Refrigerant</b>					
Type			R32 (Fluorinated greenhouse gas, GWP=675)		
Factory Charging		kg	2.7	2.7	2.7
		tCO <sub>2e</sub>	1.82	1.82	1.82
Precharge to		m	30	30	30
Additional Charge		g/m	50	50	50
<b>Sound</b>					
Indoor Sound Pressure Level	H/M/L	dB(A)	34 / 32 / 30	34 / 32 / 30	37 / 34 / 30
Indoor Sound Power Level		dB(A)	58	58	62
Outdoor Sound Pressure Level	Cooling / Heating	dB(A)	52 / 54	52 / 54	54 / 56
Outdoor Sound Power Level		dB(A)	69	69	70
<b>Dimensions</b>					
Net Weight	Indoor Unit/Outdoor Unit	kg	34.0 / 75.0	34.0 / 74.0	38.5 / 81.0
Indoor Unit Net Dimensions	W x H x D	mm	1,200 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700
Outdoor Unit Net Dimensions	W x H x D	mm	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330

<sup>1</sup> Performances are based on the following design conditions:

- Nominal Cooling Capacity: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB

- Nominal Heating Capacity: Indoor temperature 20°C DB, Outdoor temperature 7°C DB, 6°C WB

- UK Cooling Capacity: Indoor temperature 23°C DB, 16°C WB, Outdoor temperature 30°C DB

<sup>2</sup> For units with capacity up to 12kW: Efficiencies as shown are according to EU No 206/2012 (LOT10) Ecodesign requirements for air conditioners.

For units with capacity up to 12kW: Energy labels as shown are according to EU No 626/2011 (LOT10) Label classification 2019, on a scale from D to A+++.

For units with capacity greater than 12kW: Efficiencies as shown are according to EU No 2016/2281 (LOT1) Ecodesign requirements for heat pumps/air conditioners.

# Medium Static Ducted

- External static pressure range from 0 to 147 Pa.
- Long-life washable permanent filter is included.
- Automatic ESP setting.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Optional condensation drain pump with 750mm H<sub>2</sub>O maximum lifting height and 24 litres/h displacement (available as internal assembly or external assembly).



## Specifications

Model		Outdoor Indoor	AC120RXADNG/EU AC120RNMDKG/EU	AC140RXADKG/EU AC140RNMDKG/EU	AC140RXADNG/EU AC140RNMDKG/EU
<b>Electrical</b>					
Power Supply	Outdoor	Φ, #, V, Hz	3Φ, 4, 380–415 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz
	Indoor	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
MCA	System (Outdoor/Indoor)	A	18.6 (16.1 / 2.5)	34.5 (32.0 / 2.5)	18.6 (16.1 / 2.5)
MFA	System	A	20.0	40.0	20.0
Minimum SSC value	Outdoor	MVA	2.7	1.9	2.5
Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection		
<b>Performance<sup>1</sup></b>					
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	12.0 (9.0)	13.4 (9.8)	13.4 (9.8)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	11.4 (8.6)	12.7 (9.4)	12.7 (9.4)
Nominal Heating Capacity		kW	13.2	15.5	15.5
Operating Temperature Range	Cooling	°C	-15.0 – 50.0 °C	-15.0 – 50.0 °C	-15.0 – 50.0 °C
	Heating	°C	-20.0 – 24.0 °C	-20.0 – 24.0 °C	-20.0 – 24.0 °C
<b>Energy Efficiency<sup>2</sup></b>					
Rated Efficiency	EER (Nominal Cooling)	W/W	2.67	2.90	2.90
	COP (Nominal Heating)	W/W	3.48	3.34	3.43
Seasonal Efficiency	SEER / Energy Label	W/W	5.8 /	6.0	6.0
	SCOP / Energy Label	W/W	4.0 /	4.0	4.0
<b>Air Flow Rate</b>					
Indoor Unit Airflow Rate	H/M/L	l/s	550 / 467 / 383	550 / 467 / 383	550 / 467 / 383
Indoor Unit Static Pressure	Min/Std/Max	Pa	0.0 / 51.0 / 147.0	0.0 / 51.0 / 147.0	0.0 / 51.0 / 147.0
Outdoor Unit Airflow Rate		l/s	1,200	1,833	1,833
<b>Piping Connections</b>					
Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Gas Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Drain Pipe		ø, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Max Piping Length (Height)		m	50 (30)	75 (30)	75 (30)
<b>Refrigerant</b>					
Type			R32 (Fluorinated greenhouse gas, GWP=675)		
Factory Charging		kg	2.7	2.9	2.9
		tCO <sub>2</sub> e	1.82	1.96	1.96
Precharge to		m	30	30	30
Additional Charge		g/m	50	50	50
<b>Sound</b>					
Indoor Sound Pressure Level	H/M/L	dB(A)	37 / 34 / 30	37 / 34 / 30	37 / 34 / 30
Indoor Sound Power Level		dB(A)	62	62	62
Outdoor Sound Pressure Level	Cooling / Heating	dB(A)	54 / 56	53 / 54	53 / 54
Outdoor Sound Power Level		dB(A)	70	69	69
<b>Dimensions</b>					
Net Weight	Indoor Unit/Outdoor Unit	kg	38.5 / 80.0	38.5 / 91.5	38.5 / 90.5
Indoor Unit Net Dimensions	W x H x D	mm	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700
Outdoor Unit Net Dimensions	W x H x D	mm	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330

<sup>1</sup> Performances are based on the following design conditions:

- Nominal Cooling Capacity: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB

- Nominal Heating Capacity: Indoor temperature 20°C DB, Outdoor temperature 7°C DB, 6°C WB

- UK Cooling Capacity: Indoor temperature 23°C DB, 16°C WB, Outdoor temperature 30°C DB

<sup>2</sup> For units with capacity up to 12kW: Efficiencies as shown are according to EU No 206/2012 (LOT10) Ecodesign requirements for air conditioners.

For units with capacity up to 12kW: Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

For units with capacity greater than 12kW: Efficiencies as shown are according to EU No 2016/2281 (LOT 21) Ecodesign requirements for heat pumps/air conditioners.

# Medium Static Ducted

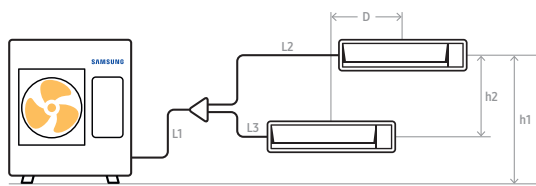
## Multi-Unit Operation (DPM)

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller. This system is ideal for spaces requiring multiple indoor units for better temperature and airflow distribution, such as open plan offices or shops.

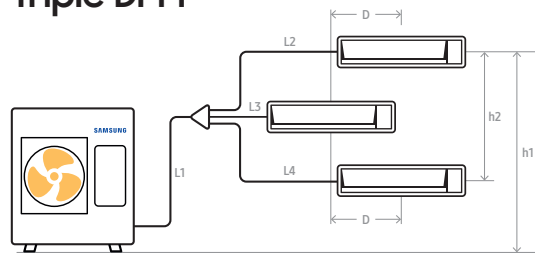
Model			7kW Twin DPM Single Phase	10kW Twin DPM Single Phase	10kW Twin DPM Three Phase	10kW Triple DPM Single Phase	10kW Triple DPM Three Phase
<b>System Composition</b>							
Outdoor Unit			AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC100RXADKG/EU	AC100RXADNG/EU
Indoor Unit			AC035RNMDKG/EU X2	AC052RNMDKG/EU X2	AC052RNMDKG/EU X2	AC035RNMDKG/EU X3	AC035RNMDKG/EU X3
Branch Pipe Kit			MXJ-2D2509K	MXJ-2D2509K	MXJ-2D2509K	MXJ-3D2509K	MXJ-3D2509K
<b>Outdoor Unit Details</b>							
Power Supply		Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz
MCA		A	16.5	24.0	16.1	24.0	16.1
MFA		A	20.6	30.0	20.0	30.0	20.0
Minimum SSC value		MVA	Not Applicable	1.4	2.5	1.4	2.5
Airflow Rate		l/s	850	1,200	1,200	1,200	1,200
Sound Pressure Level	Cooling / Heating	dB(A)	49 / 51	52 / 54	52 / 54	52 / 54	52 / 54
Sound Power Level		dB(A)	65	69	69	69	69
Net Weight		kg	51.0	75.0	74.0	75.0	74.0
Net Dimensions	WxHxD	mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
<b>Piping Connections</b>							
Total Pipe Length (all lengths combined)		m	50	50	50	50	50
Max Main Pipe Length	L1+a+b	m	30	30	30	30	30
Max Individual Pipe Length After Branch	L2, L3, L4, L5	m	15	15	15	15	15
Max Pipe Length Difference Between Indoor Units	e.g. L2-L3, (a+L3)-(b+L5)	m	5	5	5	5	5
Max Distance Between Indoor Units	D	m	10	10	10	10	10
Max Height Between Indoors And Outdoor	h1	m	30	30	30	30	30
Max Height Difference Between Indoors	h2	m	0.5	0.5	0.5	0.5	0.5
Main Pipe (L1+a+b)	Liquid	ø, mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Individual Liquid Pipe After Branch (L2, L3, L4, L5)	Liquid	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	ø, mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	9.52 (3/8)	9.52 (3/8)
<b>Refrigerant*</b>							
Type	R32 (Fluorinated greenhouse gas, GWP=675)						

\* Additional refrigerant charge for DPM systems is different than single CAC, please consult the relevant installation manual

### Twin DPM



### Triple DPM



# Medium Static Ducted

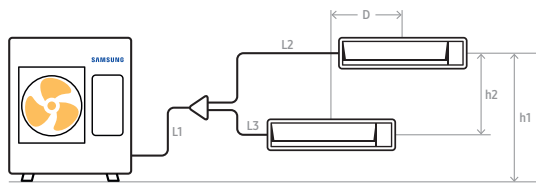
## Multi-Unit Operation (DPM)

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller. This system is ideal for spaces requiring multiple indoor units for better temperature and airflow distribution, such as open plan offices or shops.

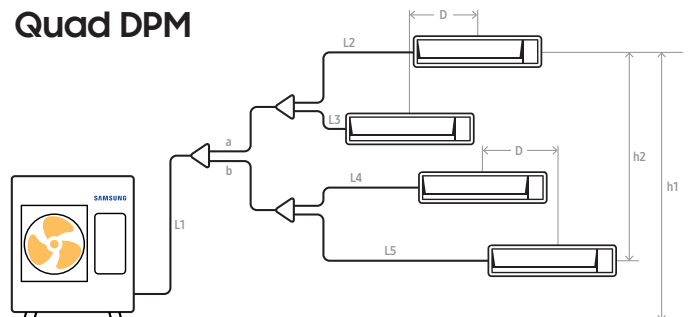
Model			12kW Triple DPM Single Phase	12kW Triple DPM Three Phase	12kW Quad DPM Single Phase	12kW Quad DPM Three Phase	14 kW Twin DPM Single Phase
<b>System Composition</b>							
Outdoor Unit			AC120RXADKG/EU	AC120RXADNG/EU	AC120RXADKG/EU	AC120RXADNG/EU	AC140RXADKG/EU
Indoor Unit			AC052RNMDKG/EU X3	AC052RNMDKG/EU X3	AC035RNMDKG/EU X4	AC035RNMDKG/EU X4	AC071RNMDKG/EU X2
Branch Pipe Kit			MXJ-3D2509K	MXJ-3D2509K	MXJ-4D2509K	MXJ-4D2509K	MXJ-2D2509K
<b>Outdoor Unit Details</b>							
Power Supply		Φ, #, V, Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz	3Φ, 4, 380–415 V, 50 Hz	1Φ, 2, 220–240 V, 50 Hz
MCA		A	24.0	16.1	24.0	16.1	32.0
MFA		A	30.0	20.0	30.0	20.0	40.0
Minimum SSC value		MVA	1.9	2.7	1.9	2.7	1.9
Airflow Rate		l/s	1,200	1,200	1,200	1,200	1,833
Sound Pressure Level	Cooling / Heating	dB(A)	54 / 56	54 / 56	54 / 56	54 / 56	53 / 54
Sound Power Level		dB(A)	70	70	70	70	69
Net Weight		kg	81.0	80.0	81.0	80.0	91.5
Net Dimensions	WxHxD	mm	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
<b>Piping Connections</b>							
Total Pipe Length (all lengths combined)		m	50	50	50	50	75
Max Main Pipe Length	L1+a+b	m	30	30	30	30	50
Max Individual Pipe Length After Branch	L2, L3, L4, L5	m	15	15	15	15	15
Max Pipe Length Difference Between Indoor Units	e.g. L2-L3, (a+L3)-(b+L5)	m	5	5	5	5	5
Max Distance Between Indoor Units	D	m	10	10	10	10	10
Max Height Between Indoors And Outdoor	h1	m	30	30	30	30	30
Max Height Difference Between Indoors	h2	m	0.5	0.5	0.5	0.5	0.5
Main Pipe (L1+a+b)	Liquid	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Individual Liquid Pipe After Branch (L2, L3, L4, L5)	Liquid	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	ø, mm (inch)	12.7 (1/2)	12.7 (1/2)	9.52 (3/8)	9.52 (3/8)	15.88 (5/8)
<b>Refrigerant*</b>							
Type	R32 (Fluorinated greenhouse gas, GWP=675)						

\* Additional refrigerant charge for DPM systems is different than single CAC, please consult the relevant installation manual

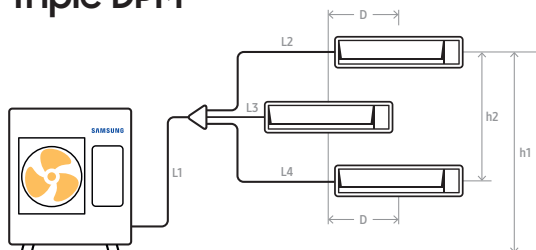
### Twin DPM



### Quad DPM



### Triple DPM



# Medium Static Ducted

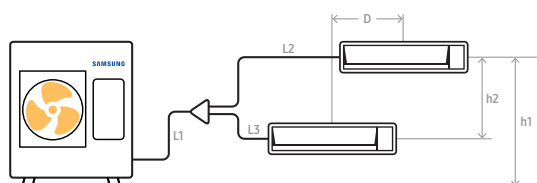
## Multi-Unit Operation (DPM)

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller. This system is ideal for spaces requiring multiple indoor units for better temperature and airflow distribution, such as open plan offices or shops.

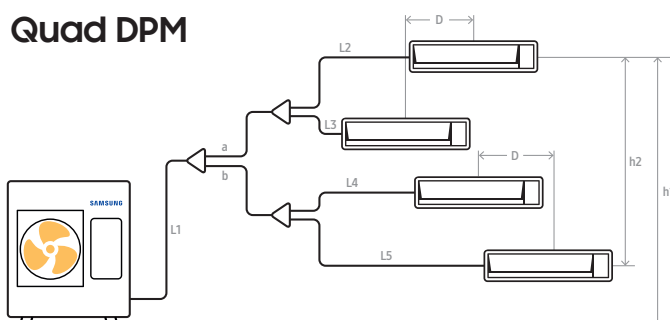
Model		14kW Twin DPM Three Phase	14kW Triple DPM Single Phase	14kW Triple DPM Three Phase	14kW Quad DPM Single Phase	14kW Quad DPM Three Phase
<b>System Composition</b>						
Outdoor Unit		AC140RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU
Indoor Unit		AC071RNMDKG/EU X2	AC052RNMDKG/EU X3	AC052RNMDKG/EU X3	AC035RNMDKG/EU X4	AC035RNMDKG/EU X4
Branch Pipe Kit		MXJ-2D2509K	MXJ-3D2509K	MXJ-3D2509K	MXJ-4D2509K	MXJ-4D2509K
<b>Outdoor Unit Details</b>						
Power Supply	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
MCA	A	16.1	32.0	16.1	32.0	16.1
MFA	A	20.0	40.0	20.0	40.0	20.0
Minimum SSC value	MVA	2.5	1.9	2.5	1.9	2.5
Airflow Rate	l/s	1,833	1,833	1,833	1,833	1,833
Sound Pressure Level	Cooling / Heating dB(A)	53 / 54	53 / 54	53 / 54	53 / 54	53 / 54
Sound Power Level	dB(A)	69	69	69	69	69
Net Weight	kg	90.5	91.5	90.5	91.5	90.5
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 1,210 x 330
<b>Piping Connections</b>						
Total Pipe Length (all lengths combined)	m	75	75	75	75	75
Max Main Pipe Length	L1+a+b m	50	50	50	50	50
Max Individual Pipe Length After Branch	L2, L3, L4, L5 m	15	15	15	15	15
Max Pipe Length Difference Between Indoor Units	e.g. L2-L3, (a+L3)-(b+L5) m	5	5	5	5	5
Max Distance Between Indoor Units	D m	10	10	10	10	10
Max Height Between Indoors And Outdoor	h1 m	30	30	30	30	30
Max Height Difference Between Indoors	h2 m	0.5	0.5	0.5	0.5	0.5
Main Pipe (L1+a+b)	Liquid	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Individual Liquid Pipe After Branch (L2, L3, L4, L5)	Liquid	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	ø, mm (inch)	15.88 (5/8)	12.7 (1/2)	12.7 (1/2)	9.52 (3/8)
<b>Refrigerant*</b>						
Type		R32 (Fluorinated greenhouse gas, GWP=675)				

\* Additional refrigerant charge for DPM systems is different than single CAC, please consult the relevant installation manual

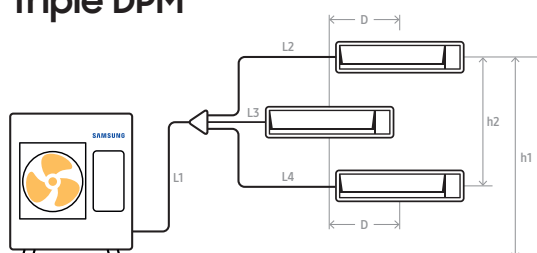
### Twin DPM



### Quad DPM



### Triple DPM



# Medium Static Ducted

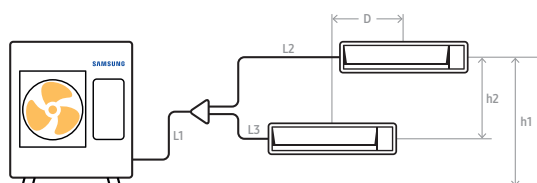
## Multi-Unit Operation (DPM)

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller. This system is ideal for spaces requiring multiple indoor units for better temperature and airflow distribution, such as open plan offices or shops.

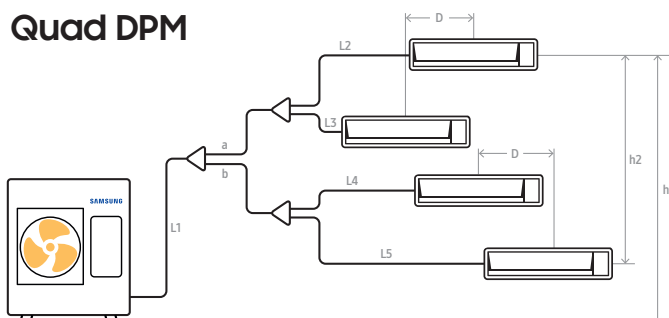
Model		20kW Twin DPM Three Phase	20kW Triple DPM Three Phase	20kW Quad DPM Three Phase	25kW Twin DPM Three Phase	25kW Quad DPM Three Phase
<b>System Composition</b>						
Outdoor Unit		AC200KXAPNH/EU	AC200KXAPNH/EU	AC200KXAPNH/EU	AC250KXAPNH/EU	AC250KXAPNH/EU
Indoor Unit		AC100RNMDKG/EU X2	AC071RNMDKG/EU X3	AC052RNMDKG/EU X4	AC120RNMDKG/EU X2	AC071RNMDKG/EU X4
Branch Pipe Kit		MXJ-2D2509K	MXJ-3D2509K	MXJ-4D2509K	MXJ-2D2509K	MXJ-4D2509K
<b>Outdoor Unit Details</b>						
Power Supply	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
MCA	A	25.0	25.0	25.0	25.0	25.0
MFA	A	31.25	31.25	31.25	31.25	31.25
Minimum SSC value	MVA	2.459	2.459	2.459	4.139	4.139
Airflow Rate	l/s	3,333	3,333	3,333	3,333	3,333
Sound Pressure Level	Cooling / Heating dB(A)	58 / 60	58 / 60	58 / 60	59 / 61	59 / 61
Sound Power Level	dB(A)	75	75	75	77	77
Net Weight	kg	154.0	154.0	154.0	154.0	154.0
Net Dimensions	WxHxD mm	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460
<b>Piping Connections</b>						
Total Pipe Length (all lengths combined)	m	75	75	75	75	75
Max Main Pipe Length	L1+a+b m	75	75	75	75	75
Max Individual Pipe Length After Branch	L2, L3, L4, L5 m	15	15	15	15	15
Max Pipe Length Difference Between Indoor Units	e.g. L2-L3, (a+L3)-(b+L5) m	5	5	5	5	5
Max Distance Between Indoor Units	D m	10	10	10	10	10
Max Height Between Indoors And Outdoor	h1 m	30	30	30	30	30
Max Height Difference Between Indoors	h2 m	0.5	0.5	0.5	0.5	0.5
Main Pipe (L1+a+b)	Liquid	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	ø, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
Individual Liquid Pipe After Branch (L2, L3, L4, L5)	Liquid	ø, mm (inch)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
	Gas	ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	12.7 (1/2)	15.88 (5/8)
<b>Refrigerant*</b>						
Type		R410A (Fluorinated greenhouse gas, GWP=2088)				

\* Additional refrigerant charge for DPM systems is different than single CAC, please consult the relevant installation manual

### Twin DPM



### Quad DPM



### Triple DPM

