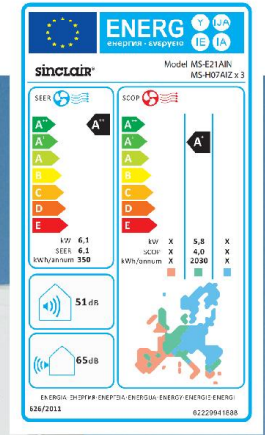


# MULTI SYSTEM SERIES



MS-E42AI



**NEW**

- |           |               |
|-----------|---------------|
| MC-C12AI  | MS-H09AISW PT |
| MC-C18AI  | MS-H12AISW PT |
| MC-C24AI  |               |
| MC-F09AI  | MS-P09AI      |
| MC-F12AI  | MS-P12AI      |
| MC-F18AI  | MS-P18AI      |
| MC-F24AI  |               |
| MC-D09AI  | MS-E14AIN     |
| MC-D12AI  | MS-E18AIN     |
| MC-D18AI  | MS-E21AIN     |
| MC-D24AI  | MS-E24AIN     |
|           | MS-E28AIN     |
| MS-H07AIZ | MS-E36AI      |
| MS-H09AIZ | MS-E42AI      |
| MS-H12AIZ |               |
| MS-H18AIZ |               |

- 3-year warranty
- Flexible installation
- Free combination up to 5 indoor units
- Autorestart function
- Set temperature range 16-30°C
- Standard wifi control (MS-H09AIZ to MS-H18AIZ)
- Standard water pump (cassette units)

ALL AVAILABLE COMBINATIONS OF INDOOR UNITS ARE MENTIONED IN COMBINATION TABLE.



**DC INVERTER**



## TECHNICAL PARAMETERS OUTDOOR UNITS

MODEL		MS-E14AIN	MS-E18AIN	MS-E21AIN
Qty of connectable indoor units	-	1-2	1-2	2-3
Capacity cooling / heating	kW	4,1 (2,1-4,4) / 4,4 (2,5-5,4)	5,2 (2,1-5,8) / 5,4 (2,6-5,9)	6,1 (2,2-7,3) / 6,5 (3,6-8,5)
Power input cooling / heating	W	1200 / 1180	1450 / 1550	1910 / 1730
Rated power input	W	1780	1780	2870
Power current cooling / heating	A	5,32 / 5,24	6,43 / 6,88	8,47 / 7,68
Rated power current	A	7,90	7,90	12,73
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,1 / 4,0	6,3 / 4,0	6,1 / 4,0
Energy class	-	A++ / A+	A++ / A+	A++ / A+
Air flow	m <sup>3</sup> /h	2600	3200	3200
Sound pressure level	dB(A)	55	56	56
Refrigerant type / charge	Type / kg / t eq.CO <sub>2</sub>	R410A / 1,40 / 2,92	R410A / 1,60 / 3,34	R410A / 2,20 / 4,59
Pipe diameter	Liquid side	mm x qty	6,4x2	6,4x3
	Gas side	mm x qty	9,5 x2	9,5 x3
Max. length of connection pipe	m	20 / 10	20 / 10	60 / 20
Max. elevation/Drop height	m	5	5	10
Dimension (w x h x d)	mm	899x596x378	963x700x396	963x700x396
Package dimension (w x h x d)	mm	948x645x420	1029x750x458	1029x750x458
Net/gross weight	kg	43,0 / 46,0	51,0 / 55,5	62,0 / 66,5
Operating temperature range	Cooling	°C	-15 ~ 43	-15 ~ 43
	Heating	°C	-20 ~ 24	-20 ~ 24

MODEL		MS-E24AIN	MS-E28AIN
Qty of connectable indoor units	-	2-3	2-4
Capacity cooling / heating	kW	7,1 (2,3-8,5) / 8,5 (3,7-8,8)	8,0 (2,3-10,3) / 9,3 (3,7-10,3)
Power input cooling / heating	W	2180 / 2280	2540 / 2490
Rated power input	W	2870	3580
Power current cooling / heating	A	9,67 / 10,12	15,71 / 11,05
Rated power current	A	12,73	15,88
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,1 / 4,0	6,1 / 4,0
Energy class	-	A++ / A+	A++ / A+
Air flow	m <sup>3</sup> /h	4000	4000
Sound pressure level	dB(A)	58	58
Refrigerant type / charge	Type / kg / t eq.CO <sub>2</sub>	R410A / 2,20 / 4,59	R410A / 2,60 / 5,43
Pipe diameter	Liquid side	mm x qty	6,4x3
	Gas side	mm x qty	9,5 x3
Max. length of connection pipe	m	60 / 20	70 / 20
Max. elevation/Drop height	m	10	10
Dimension (w x h x d)	mm	1001x790x427	1001x790x427
Package dimension (w x h x d)	mm	1083x855x488	1083x855x488
Net/gross weight	kg	68,0 / 73,0	69,0 / 74,0
Operating temperature range	Cooling	°C	-15 ~ 43
	Heating	°C	-20 ~ 24

MODEL		MS-E36AI	MS-E42AI
Qty of connectable indoor units	-	2-4	2-5
Capacity cooling / heating	kW	10,5 (2,1-11,0) / 12,0 (2,6-13,0)	12,1 (2,1-13,6) / 13,0 (2,6-14,0)
Power input cooling / heating	W	3500 / 3750	3590 / 3550
Rated power input	W	4880	5300
Power current cooling / heating	A	15,42 / 15,20	16,43 / 16,22
Rated power current	A	21,65	23,50
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP (EER / COP)	-	5,5 / 3,8	3,2 / 3,8
Energy class	-	A / A	A / A
Air flow	m <sup>3</sup> /h	5200	5500
Sound pressure level	dB(A)	57	54
Refrigerant type / charge	Type / kg / t eq.CO <sub>2</sub>	R410A / 4,30 / 8,98	R410A / 4,80 / 10,02
Pipe diameter	Liquid side	mm x qty	6,4x3 + 9,5x1
	Gas side	mm x qty	9,5x2 + 12,7x1 + 15,9x1
Max. length of connection pipe	m	70 / 20	80 / 25
Max. elevation/Drop height	m	15	15
Dimension (w x h x d)	mm	1015x1103x440	1015x1103x440
Package dimension (w x h x d)	mm	1158x1235x493	1115x1155x480
Net/gross weight	kg	94,0 / 104,0	95,0 / 105,0
Operating temperature range	Cooling	°C	-15 ~ 48
	Heating	°C	-15 ~ 27

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Data are based on following conditions:  
 Length of connection pipe: 5m. Cooling: indoor temperature 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB. Heating condition: indoor temperature 20°C DB/15°C WB, outdoor temperature 7°C DB/6°C WB.  
 SEER/SCOP was calculated according to European standards contained in EN14825 for average season, based on part load classifying and testing conditions given by norm EN14511. Contains fluorinated greenhouse gases covered by the Kyoto Protocol.  
 R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088. Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual Operation due to environmental change. Power input is tested under standard condition.

## TECHNICAL PARAMETERS INDOOR UNITS

WALL MOUNTED			MS-H09AISW PT	MS-H12AISW PT			
Capacity cooling / heating			kW	2,6 / 2,8	3,5 / 3,8		
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240		
Air flow			m³/h	450-260	560-280		
Sound pressure level			dB(A)	38/35/32/30/28/26/25	39/36/34/31/28/27/26		
Dehumidifying volume			l/h	0,8	1,4		
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4			
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5			
Dimension (w x h x d)			mm	860x299x153	896x320x159		
Package dimension (w x h x d)			mm	944x386x247	973x403x255		
Net/gross weight			kg	9,5 / 12,5	11,5 / 14,5		
Controller			type	remote	remote		
WALL MOUNTED			MS-H07AIZ	MS-H09AIZ	MS-H12AIZ	MS-H18AIZ	
Capacity cooling / heating			kW	2,10 / 2,60	2,6 / 2,8	3,5 / 3,7	5,1 / 5,3
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Air flow			m³/h	550/490/420/330	560/490/430/330	660/540/460/330	800/720/610/520
Sound pressure level			dB(A)	38/36/32/26	39/36/32/26	42/39/33/26	46/42/39/36
Dehumidifying volume			l/h	0,6	0,8	1,4	1,8
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¼ / 6,4	¼ / 6,4
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 12,7
Dimension (w x h x d)			mm	790x275x200	790x275x200	845x289x209	970x300x224
Package dimension (w x h x d)			mm	866x271x367	866x271x367	921x281x379	1041x383x320
Net/gross weight			kg	9,0 / 11,0	9,0 / 11,0	10,0 / 12,0	13,5 / 16,5
Controller			type	remote	remote	remote	remote
FLOOR CEILING			MC-F09AI	MC-F12AI	MC-F18AI	MC-F24AI	
Capacity cooling / heating			kW	2,5 / 2,8	3,5 / 3,9	5,0 / 5,5	7,1 / 8,0
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Air flow			m³/h	650	650	950	1250
Sound pressure level			dB(A)	40 / 36	40 / 36	45 / 40	48 / 40
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¾ / 9,5	
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 12,7	¾ / 15,9	
Dimension (w x h x d)			mm	1220x700x225	1220x700x225	1220x700x225	1220x700x225
Package dimension (w x h x d)			mm	1343x823x315	1343x823x315	1343x823x315	1343x823x315
Net/gross weight			kg	40,0 / 50,0	40,0 / 50,0	45,0 / 54,0	45,0 / 54,0
Controller			type	remote & wired	remote & wired	remote & wired	remote & wired
CASSETTE			MC-C12AI	MC-C18AI	MC-C24AI		
Capacity cooling / heating			kW	3,5 / 4,0	4,5 / 5,0	7,1 / 8,0	
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Air flow			m³/h	600	600	1180	
Sound pressure level			dB(A)	46 / 44 / 42	46 / 44 / 42	39 / 37 / 35	
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4	¾ / 9,5		
	Gas side	inch / mm	¾ / 9,5	¾ / 12,7	¾ / 15,9		
Dimension (w x h x d)			mm	570x230x570	570x230x570	840x240x840	
Package dimension (w x h x d)			mm	851x325x731	851x325x731	963x310x963	
Dimension-panel (w x h x d)			mm	650x50x650	650x50x650	950x60x950	
Package dimension - panel (w x h x d)			mm	733x117x673	733x117x673	1043x130x1028	
Net/gross weight - body (panel)			kg	18,0 / 23,0 (2,5 / 3,5)	18,0 / 23,0 (2,5 / 3,5)	30,0 / 38,0 (6,5 / 10,0)	
Controller			type	remote & wired	remote & wired	remote & wired	
DUCT			MC-D09AI	MC-D12AI	MC-D18AI	MC-D24AI	
Capacity cooling / heating			kW	2,5 / 2,8	3,5 / 3,9	5,0 / 5,5	7,1 / 8,0
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Air flow			m³/h	450	550	700	1000
Sound pressure level			dB(A)	37 / 31	39 / 32	41 / 33	42 / 34
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¾ / 9,5	
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 12,7	¾ / 15,9	
ESP			Pa	0-15	0-15	0-15	
Dimension (w x h x d)			mm	700x200x615	700x200x615	900x200x615	1100x200x615
Package dimension (w x h x d)			mm	893x305x743	893x305x743	1123x305x743	1323x305x743
Net/gross weight			kg	22,0 / 27,0	23,0 / 29,0	27,0 / 36,0	31,0 / 41,0
Controller			type	wired	wired	wired	wired
CONSOLE			MS-P09AI	MS-P12AI	MS-P18AI		
Capacity cooling / heating			kW	2,6 / 2,8	3,5 / 3,8	5,3 / 5,8	
Power supply			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Air flow			m³/h	480-650	550-750	650-840	
Sound pressure level			dB(A)	40/38/33/26	42/40/37/32	48/46/41/35	
Dehumidifying volume			l/h	0,8	1,4		
Pipe diameter	Liquid side	inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4		
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 12,7		
Dimension (w x h x d)			mm	700x600x215	700x600x215	700x600x215	
Package dimension (w x h x d)			mm	791x710x286	791x710x286	791x710x286	
Net/gross weight			kg	15,0 / 18,0	15,0 / 18,0	15,0 / 18,0	
Controller			type	remote	remote	remote	

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Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.  
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