

Specifications

MSP Duct



- Fan with inverter motor; prevalence adjustable up to 150Pa
- 750 mmH2O condensation drain pump (optional); antibacterial filter included
- Communication with the "Nasa" protocol
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit (except from 3.5kW models - Single Rotary)
- Possibility to connect two, three or four indoor units (twin-triple-quadri)

Model	Indoor Unit	Outdoor Unit		AC035MNMDKH/EU AC035MXADKH/EU	AC052MNMDKH/EU AC052MXADKH/EU	AC060MNMDKH/EU AC060MXADKH/EU	AC071MNMDKH/EU AC071MXADKH/EU
EAN	Indoor Unit			8806088576756	8806088576534	8806088576558	8806088576831
	Outdoor Unit			8806088576497	8806088576794	8806088576800	8806088576619
Cooling	Std Capacity (Min~Max)	kW		3.50 (1.20~3.90)	5.00 (1.20~6.00)	5.80 (1.20~7.00)	7.10 (2.20~8.00)
	Std Absorption (Min~Max)	kW		1.05 (0.26~1.50)	1.56 (0.35~2.20)	1.95 (0.26~2.40)	2.15 (0.35~3.95)
	SEER: Seasonal Energy Efficiency Ratio	-		6,3	6,2	6,1	6,1
	Seasonal Energy Efficiency Class	-		A++	A++	A++	A++
	Design Heat Load (Pdesignc)	kW		3,5	5,0	5,8	7,1
	Indicative Annual Energy Consumption (Q ^{CE})	kWh/a		194	282	333	407
Heating	Std Capacity (Min~Max)	kW		4.00 (1.10~4.70)	6.00 (1.10~7.20)	7.00 (1.50~8.50)	8.00 (1.90~9.00)
	Std Absorption (Min~Max)	kW		1.20 (0.24~1.80)	1.58 (0.26~2.70)	1.95 (0.20~3.30)	2.20 (0.35~3.95)
	SCOP: Seasonal Coefficient of Performance	-		4,0	4,1	4,0	4,0
	Seasonal Energy Efficiency Class	-		A+	A+	A+	A+
	Design Heat Load (Pdesignh)	kW		1,8	2,4	2,6	3,7
	Electric back-up heater capacity elbu (Tj)	kW		-	-	-	-
	Declared capacity	kW		1,8	2,4	2,6	3,7
	Indicative annual energy consumption (Q ^{HE})	kWh/a		630	820	910	1295
Indoor Unit	Dimensions (WxHxD)	mm		850x250x700	850x250x700	850x250x700	850x250x700
	Panel Dimensions (WxHxD)	mm		-	-	-	-
	Weight	Kg		25,8	25,8	25,8	25,8
	Panel Weight	Kg		-	-	-	-
	Treated Air (Max)	m ³ /min		10,4	14,5	17,0	17,0
	Static Pressure Min~Std~Max	mmH2O		0-2.5-15.0	0-3.0-15.0	0-3.0-15.0	0-3.0-15.0
	Sound Power Level	dB(A)		52	55	56	56
Outdoor Unit	Dimensions (WxHxD)	mm		790x548x285	880x638x310	880x638x310	880x798x310
	Weight	Kg		32,8	43,8	43,8	53
	Sound Power Level	dB(A)		61	62	62	65
	Power Supply	Ø, V, Hz		1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C		-15~50	-15~50	-15~50	-15~50
	Operating Range (Heating)	°C		-20~24	-20~24	-20~24	-20~24
Installation Data	Liquid/Gas Piping	Ømm (inch)		6.35 (1/4") 9.52 (3/8")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")
	Piping Length Max	m		20	30	30	50
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m		15	20	20	30
	Maximum Piping Length without Adding Refrigerant	m		20	5	5	5
	Additional Refrigerant Charging	g/m		0	10	10	20
Refrigerant	Refrigerant Type	-		R-410A	R-410A	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant	-		2088	2088	2088	2088
	Factory Charging	Kg		1,05	1,30	1,30	1,50
	Ton equivalent Co2	tCo ₂ Eq		2,19	2,71	2,71	3,13

Accessories							
Drain Pump (Optional)		Individual Controllers (Optional)			Others (Optional)		
							
MDP-G075SP	MDP-G075SQ	MR-EH00 (to be matched with MRK-A10N)	MWR-SH10N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with MR-EH00)	MRW-TA

AC090MNMMDKH/EU AC090MXADKH/EU	AC090MNMMDKH/EU AC090MXADNH/EU	AC100MNMMDKH/EU AC100MXADKH/EU	AC100MNMMDKH/EU AC100MXADNH/EU	AC120MNMMDKH/EU AC120MXADKH/EU	AC120MNMMDKH/EU AC120MXADNH/EU	AC140MNMMDKH/EU AC140MXADKH/EU	AC140MNMMDKH/EU AC140MXADNH/EU
8806088576633	8806088576633	8806088576664	8806088576664	8806088576916	8806088576916	8806088576954	8806088576954
8806088576855	8806088576640	8806088576671	8806088576886	8806088576695	8806088576923	8806088576718	8806088576961
9.00 (3.00~11.30)	9.00 (3.00~11.30)	10.00 (3.00~12.00)	10.00 (3.00~12.00)	12.00 (3.00~13.50)	12.00 (3.00~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)
2.90 (0.60~4.46)	2.90 (0.60~4.46)	3.50 (0.60~4.70)	3.50 (0.60~4.70)	4.40 (0.90~5.50)	4.40 (0.90~5.50)	4.45 (0.80~6.44)	4.45 (0.80~7.90)
5,9	5,9	5,8	5,8	5,6	5,6	3.0 (EER)	3.0 (EER)
A+	A+	A+	A+	A+	A+	-	-
9,0	9,0	10,0	10,0	12,0	12,0	-	-
534	534	603	603	750	750	-	-
10.00 (2.20~13.90)	10.00 (2.20~13.90)	11.20 (2.20~15.50)	11.20 (2.20~15.50)	13.00 (2.50~17.00)	13.00 (2.50~17.00)	15.50 (3.50~18.00)	15.50 (3.50~18.00)
2.75 (0.46~5.20)	2.75 (0.46~5.20)	3.30 (0.46~5.40)	3.30 (0.46~5.40)	4.00 (0.70~5.90)	4.00 (0.70~5.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)
4,0	4,0	4,0	4,0	4,0	4,0	3.4 (COP)	3.4 (COP)
A+	A+	A+	A+	A+	A+	-	-
5,2	5,2	5,2	5,2	7,4	7,4	-	-
-	-	-	-	-	-	-	-
5,2	5,2	5,2	5,2	7,4	7,4	-	-
1820	1820	1820	1820	2590	2590	-	-
1200x250x700	1200x250x700	1200x250x700	1200x250x700	1300x300x700	1300x300x700	1300x300x700	1300x300x700
-	-	-	-	-	-	-	-
33,4	33,4	33,4	33,4	38,6	38,6	38,6	38,6
-	-	-	-	-	-	-	-
28,0	28,0	28,0	28,0	33,0	33,0	33,0	33,0
0-4.0-15.0	0-4.0-15.0	0-4.0-15.0	0-4.0-15.0	0-5.2-15.0	0-5.2-15.0	0-5.2-15.0	0-5.2-15.0
58	58	58	58	62	62	62	62
940x998x330	940x998x330	940x998x330	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330
72	72	72	72	77	77	87	87
68	68	69	69	70	70	69	69
1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	1,220-240,50	1,220-240,50	3,380-415,50	3,380-415,50
-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")
50	50	50	50	50	50	75	75
30	30	30	30	30	30	30	30
30	30	30	30	30	30	30	30
50	50	50	50	50	50	50	50
R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
2088	2088	2088	2088	2088	2088	2088	2088
3,00	3,00	3,00	3,00	3,00	3,00	3,40	3,40
6,26	6,26	6,26	6,26	6,26	6,26	7,10	7,10