

# MRV S II/3-4-5 HP

MRVS

Model			AU042FNERA	AU052FNERA
Capacity <sup>[1]</sup>	Power Class	HP	4	5
	Cooling	kW	12,10	14,00
	Heating	kW	12,10	14,00
Electrical parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60
	Absorbed power - Cooling	kW	4,25	4,83
	Max absorbed current - Cooling	A	28,30	29,30
	Absorbed power - Heating	kW	4,10	5,00
	Max absorbed current - Heating	A	27,90	29,30
	EER energy class	/	2,85	2,80
	COP energy class	/	2,95	2,90
	SEER energy class (T1)	/	4,90	4,85
	SCOP energy class (T1)	/	3,50	3,55
	ηs,hs,c %	%	193	191
ηs,hs,h %	%	137	139	
Fan	Air flow (High)	m <sup>3</sup> /h	5400	5400
Pressure sound level	Sound pressure level (Cooling)	dB(A)	58	60
	Sound pressure level (Heating)	dB(A)	60	62
Dimensions	Unit Dimensions WxDxH	mm	950x370x965	950x370x965
	Packaged unit dimensions WxDxH	mm	1010x458x990	1010x458x990
Weight	Net/Shipping weight	kg	90/102	90/102
Compressor	Compressor type	/	Rotary Inverter	Rotary Inverter
	Motor Power	W	4130	4130
	Compressor quantity	/	1	1
Refrigerant	Refrigerant type	/	R410A	R410A
	Pre-charged refrigerant qty.	kg	3,30	3,30
Piping	Ø Liquid side refrigerant pipe	mm (inch)	9,52 (3/8)	9,52 (3/8)
	Ø Gas side refrigerant pipe	mm (inch)	15,88 (5/8)	15,88 (5/8)
	Maximum piping length	m	120	120
	Max linear piping length (Equivalent/Real))	m	70/60	70/60
	Std. drop between IU and OU	m	30/20	30/20
	Max. drop between IU *3	m	10	10
Connection ratio	Indoor / Outdoor Capacity Ratio	%	50-130	50-130
	Maximum number of connectable IUs	/	7	8
Working temp.	Cooling	°C	-5-50	-5-50
	Heating	°C	-15-21	-15-21



# MRV S II/8-12 HP

MRVS

Model			AU08NFKERA	AU10NFKERA	AU12NFKERA
Capacity <sup>[1]</sup>	Power Class	HP	8	10	12
	Cooling	kW	22,60	28,00	31,50
	Heating	kW	22,60	30,50	31,50
Electrical parameters	Power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Absorbed power - Cooling	kW	6,95	8,67	11,54
	Max absorbed current - Cooling	A	19,00	23,80	25,40
	Absorbed power - Heating	kW	5,79	8,03	8,49
	Max absorbed current - Heating	A	18,00	22,60	24,20
	EER energy class	/	3,25	3,23	2,73
	COP energy class	/	3,90	3,80	3,71
	SEER energy class (T1)	/	7,67	7,65	7,47
	SCOP energy class (T1)	/	4,05	4,16	4,21
	ηs,h %	%	304	303	296
ηs,h %	%	159	163	165	
Fan	Air flow (High)	m <sup>3</sup> /h	10000	10000	10000
Pressure sound level	Sound pressure level (Cooling)	dB(A)	63	64	65
	Sound pressure level (Heating)	dB(A)	65	66	67
Dimensions	Unit Dimensions WxDxH	mm	1050x400x1636	1050x400x1636	1050x400x1636
	Packaged unit dimensions WxDxH	mm	1150x510x1790	1150x510x1790	1150x510x1790
Weight	Net/Shipping weight	kg	149/168	149/168	149/168
Compressor	Compressor type	/	Twin Rotary Inverter	Twin Rotary Inverter	Twin Rotary Inverter
	Motor Power	W	6270	6270	6270
	Compressor quantity	/	1	1	1
Refrigerant	Refrigerant type	/	R410A	R410A	R410A
	Pre-charged refrigerant qty.	kg	5,10	5,10	5,10
Piping	Ø Liquid side refrigerant pipe	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
	Ø Gas side refrigerant pipe	mm (inch)	19,05 (3/4)	22,22 (7/8)	25,40 (1)
	MaMaximum piping length	m	300	300	300
	Max linear piping length (Equivalent/Real)	m	175/150	175/150	175/150
	Std. drop between IU and OU	m	50	50	50
	StMax. drop between IU *3	m	15	15	15
Connection ratio	Indoor / Outdoor Capacity Ratio	%	50~130	50~130	50~130
	Maximum number of connectable IUs	/	13	16	19
Working temp.	Cooling	°C	-5~48	-5~48	-5~48
	Heating	°C	-20~27	-20~27	-20~27