

MRV S



121 Features & Benefits




127 MRV S^{II} Outdoor

131 MRV S^I Outdoor

MRV S^{II} Specification



-  AU042FPERA
-  AU052FPERA
-  AU062FPERA
-  AU041FPERA
-  AU051FPERA
-  AU061FPERA
-  AU042FPERB
-  AU052FPERB
-  AU062FPERB
-  AU041FPERB
-  AU051FPERB
-  AU061FPERB

-  AV08NMSETA
-  AV10NMSETA
-  AV12NMSETA



Model		T1	AU042FPERA	AU052FPERA	AU062FPERA	AU041FPERA	AU051FPERA	AU061FPERA
		T3	AU042FPERB	AU052FPERB	AU062FPERB	AU041FPERB	AU051FPERB	AU061FPERB
Capacity	Capacity range	HP	4	5	6	4	5	6
	Cooling (T1)	kW	12.1	14	15.5	12.1	14	15.5
	Cooling (T3)	kW	11.2	12.6	14	11.2	12.6	14
	Heating	kW	14.2	16	18	14.2	16	18
Electrical parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Power input (Cooling T1)	kW	2.99	3.51	4.31	2.99	3.51	4.31
	Power input (Cooling T3)	kW	3.77	4.25	5.22	3.77	4.25	5.22
	Power input (Heating)	kW	3.18	3.72	4.39	3.18	3.72	4.39
	EER	/	4.05	3.99	3.60	4.05	3.99	3.60
	COP	/	4.47	4.30	4.10	4.47	4.30	4.10
	SEER(T1)	/	6.82	6.92	6.45	6.82	6.92	6.45
	SCOP(T1)	/	3.92	4.17	3.80	3.92	4.17	3.80
Performance	Air flow (H)	m³/h	7200	7200	7200	7200	7200	7200
	Sound pressure level (H)	dB(A)	57	58	59	57	58	59
	Sound power level (H)	dB(A)	68	69	70	68	69	70
Installation	External dimensions(W/D/H)	mm	950/370/1340	950/370/1340	950/370/1340	950/370/1340	950/370/1340	950/370/1340
	Shipping dimensions(W/D/H)	mm	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420
	Net/Shipping weight	kg	108/123	108/123	108/123	108/123	108/123	108/123
	Compressor type	/	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Compressor brand	/	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric
	Compressor quantity	/	1	1	1	1	1	1
	Refrigerant type	/	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	4	4	4	4	4	4
	Refrigerant liquid pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88
	Total pipe lenth	m	300	300	300	300	300	300
	Max.pipelength(Equivalent/Actual)	m	175/150	175/150	175/150	175/150	175/150	175/150
	Max drop between I.U.&O.U	m	50	50	50	50	50	50
	Max drop between I.U.&I.U	m	15	15	15	15	15	15
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units	/	8	10	13	8	10	13
Working temp.	Cooling(T1)	°C	-15-48	-15-48	-15-48	-15-48	-15-48	-15-48
	Cooling(T3)	°C	-15-53	-15-53	-15-53	-15-53	-15-53	-15-53
	Heating	°C	-20-27	-20-27	-20-27	-20-27	-20-27	-20-27

* All the specifications are tested under nominal condition(In cooling T1, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;in cooling T3, indoor temp. is 27°C DB/19°C WB;Outdoor temp 46°C DB/24WB;in heating, indoor temp.is 20°C DB,in heating, outdoor temp.is 7°C DB/6°CWB)

Model				AV08NMSETA	AV10NMSETA	AV12NMSETA
Capacity	Capacity range	HP		8HP	10HP	12HP
	Cooling	kBtu/h		77.1	95.5	114.3
		kW		22.6	28	33.5
	Heating	kBtu/h		85.3	107.5	128
		kW		25	31.5	37.5
Electrical parameters	Power supply	Ph/V/Hz		3/380-400/50/60	3/380-400/50/60	3/380-400/50/60
	Power input (Cooling)	kW		5.79	8	9.75
	Power input (Heating)	kW		5.43	7.5	9.62
	EER/COP			3.9/4.6	3.5/4.2	3.44/3.9
	SEER/SCOP			5.1/3.45	4.8/3.43	4.6/3.4
	Air flow (H)	m³/h		10000	10000	10000
Performance	Sound pressure level (H)	dB(A)		55	58	60
	Sound power level (H)	dB(A)		66	69	71
	External dimensions(W/D/H)	mm		1050/400/1636	1050/400/1636	1050/400/1636
Installation	Shipping dimensions(W/D/H)	mm		1150/510/1790	1150/510/1790	1150/510/1790
	Net/Shipping weight	kg		168/183	168/183	168/183
	Compressor type			Rotary	Rotary	Rotary
	Compressor brand			MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity			1 INV	1 INV	1 INV
	Refrigerant type			R410A	R410A	R410A
	Refrigerant charge	kg		6.1	6.1	6.1
	Refrigerant liquid pipe	mm		9.52	12.7	12.7
	Refrigerant gas pipe	mm		19.05	22.22	25.4
	Total pipe length	m		300	300	300
	Max.pipelength(Equivalent/Actual)	m		175/150	175/150	175/150
	Max drop between I.U.&O.U	m		50	50	50
Connection ratio	Connectable indoor unit ratio	%		50-130	50-130	50-130
	Maximum number of indoor units			13	16	16
Working temp.	Cooling	°C		-5-48	-5-48	-5-48
	Heating	°C		-20-27	-20-27	-20-27

*All the specifications are tested under nominal condition(In cooling, Indoor temp is 27°C DB/19°C WB; Outdoor temp 35°C DB/24°C WB; In heating, Indoor temp is 20°C DB, Outdoor temp is 7°C DB/6°C WB)

MRV S^I Specification



- AU282FHERA(H)
- AU482FIERA(H)
- AU48NFIERA(H)
- AU60NFIERA(H)

















Model			AU282FHERA(H)	AU482FIERA(H)	AU48NFIERA(H)	AU60NFIERA(H)
Capacity	Capacity range	HP	3HP	5HP	5HP	7HP
	Cooling	kBtu/h	27.3	51.2	51.2	61.4
		kW	8	15	15	18
	Heating	kBtu/h	32.4	58	58	68.2
		kW	9.5	17	17	20
Electrical parameters	Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50/60	3/380~400/50/60	3/380~400/50/60
	Power input (Cooling)	kW	2.08	3.98	3.98	5.19
	Power input (Heating)	kW	2.10	3.91	3.91	5.13
	EER/COP		3.84/4.52	3.77/4.35	3.77/4.35	3.47/3.9
	SEER/SCOP		4.79/3.31	4.61/3.15	4.61/3.15	4.14/3.06
Performance	Air flow (H)	m³/h	3500	6500	6500	6500
	Sound pressure level (H)	dB(A)	54	58	58	59
	Sound power level (H)	dB(A)	65	69	69	70
Installation	External dimensions(W/D/H) mm		960/340/830	960/340/1250	960/340/1250	960/340/1250
	Shipping dimensions(W/D/H) mm		1095/410/945	1095/410/1400	1095/410/1400	1095/410/1400
	Net/Shipping weight kg		70/76	99/107	99/107	99/107
	Compressor type		Rotary	Rotary	Rotary	Rotary
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity		1 INV	1 INV	1 INV	1 INV
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge kg		2.4	3.8	3.8	3.8
	Refrigerant liquid pipe mm		9.52	9.52	9.52	9.52
	Refrigerant gas pipe mm		15.88	19.05	19.05	19.05
	Total pipe length m		100	150	150	150
	Max. pipe length(Equivalent/Actual) m		50	70	70	70
	Max drop between I.U.&O.U m		30	30	30	30
	Max drop between I.U.&I.U m		10	10	10	10
Connection ratio	Connectable indoor unit ratio %		50~130	50~130	50~130	50~130
	Maximum number of indoor units		4	8	8	9
Working temp.	Cooling °C		10~48	-5~48	-5~48	-5~48
	Heating °C		-15~21	-15~21	-15~21	-15~21



































*All the specifications are tested under nominal condition(In cooling, Indoor temp is 27°C DB/19°C WB; Outdoor temp 35°C DB/24°C WB; In heating, Indoor temp is 20°C DB, Outdoor temp is 7°C DB/6°C WB)

































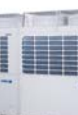
































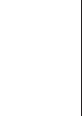
PRODUCT LINE-UP

(Outdoor Units)

Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48					50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104
MRV 5	3/380~415/50 3/380~415/60																																																					
MRV 5-RC	3/380~415/50 3/380~415/60																																																					













Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36				38	40	42	44	46	48	50			52			54	56	58	60	62	64	66	68	70	72																				
MRV IV (T1)	3/380~400/50 3/380~400/60																																																												
	3/208~230/50 3/208~230/60																																																												
MRV IV (T3)	3/380~400/50 3/380~400/60																																																												

Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32		34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
MRV III ^{PLUS} (T1)	3/380~400/50 3/380~400/60																														




Series	HP	8	10	12	14	16	18	20	22	24	26				28	30	32	34	36	38	40	42	44	46	48
MRV III (T1)	3/208~230/60																								
	3/460/60																								
MRV III (T3)	3/380~400/50 3/380~400/60																								
MRV III-RC	3/380~400/50 3/380~400/60 3/208~230/60																								

PRODUCT LINE-UP



(Outdoor Units)

Series	HP	3	4	5	6	7	8	10	12		14	16	18	20	22	24	26	28	30	32	34	36
MRV S'	1/220~240/50 1/220~240/60																					
	3/380~400/50 3/380~400/60																					
MRV S'' (T1)	1/220~240/50 1/220~240/60																					
	3/380~415/50 3/380~415/60																					
	3/380~400/50 3/380~400/60																					
MRV S'' (T3)	1/220~240/50 1/220~240/60																					
	3/380~415/50 3/380~415/60																					
MRV W	3/380~400/50(60) 3/208~230/60																					

EASY MRV

MODEL	MS1-036A	MS1-060A	MS3-036A
Match with indoor	1 by 1	1 by 1	1 by 3
EASY MRV Connection Kit			
Capacity(Btu/h)	≤36K	36K<X≤60K	Every indoor capacity ≤36K
MRV series	MRV 5, MRV IV, MRV III PLUS, MRV III (2-Pipe), MRV S', MRV S' (5/7HP)		

DX AHU Connection Kit

MODEL	AH1-280A	AH1-560A
CAPACITY	14 ≤ x ≤28 kW	28 < x ≤56 kW
		
MRV series	MRV 5, MRV IV, MRV III PLUS, MRV III (2-Pipe), MRV S'' (8/10/12HP)	

PRODUCT LINE-UP

(Indoor Units)

Series	KBTU/h kW		5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
			1.5	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0
1-Way Cassette		AB**2MAERA															
2- Way Cassette		AB**2MBERA															
MINI 4- Way Cassette		AB**2MCERA(M)															
Round Flow 4-Way Cassette		AB**2MRERA															
4- Way Cassette		AB**2MCERA															
Convertible		AC**2MCERA AC**2MFERA															
Low ESP Slim Duct (0/15/30Pa)		AD**2MSERA(D) AD**2MSERA															
Medium ESP Duct (50/96Pa)		AD**2MMERA															
Medium ESP Duct (50/100Pa) NEW		AD**2MJERA															

PRODUCT LINE-UP

(Indoor Units)

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