























Specifications  
M-Series R410A Refrigerant














<p><b>Single Ductless Splits</b></p> 	<p><b>Single Ductless Splits</b></p> 	<p><b>Twin Ductless Splits</b></p> 	<p><b>Triple Ductless Splits</b></p> 
			
<p><b>Air-Conditioners</b> MS 09 / MU 09 MS 12 / MU 12 MSY 15 / MUY 15 MSY 17 / MUY 17</p>	<p><b>Air-Conditioners</b> MSY 24 / MUY 24</p>	<p><b>Air-Conditioners</b> MXZ-2A20NA</p>	<p><b>Air-Conditioners</b> MXZ-3A30NA</p>
<p><b>Heat Pumps</b> MSZ 09 / MUZ 09 MSZ 12 / MUZ 12 MSZ 15 / MUZ 15 MSZ 17 / MUZ 17</p>	<p><b>Heat Pumps</b> MSZ 24 / MUZ 24</p>	<p><b>Heat Pump</b> MXZ-2A20NA</p>	<p><b>Heat Pump</b> MXZ-3A30NA</p>



[www.MrSlim.ca](http://www.MrSlim.ca)

M-Series R410A Air-Conditioner Specifications						
Item	Unit Model	<b>MS-A09WA</b>	<b>MS-A12WA</b>	<b>MSY-A15NA</b>	<b>MSY-A17NA</b>	<b>MSY-A24NA</b>
INDOOR UNIT MODEL		MS-A09WA	MS-A12WA	MSY-A15NA	MSY-A17NA	MSY-A24NA
External finish		White	White	White	White	White
Power supply	V, phase, Hz	115/1/60	115/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Max. fuse size (time delay)/ Disconnect switch-	A	15	15	15	15	15
Min. circuit ampacity	A	1.2	1.2	1	1	1
Fan motor	F.L.A	0.95	0.95	0.76	0.76	0.76
Airflow Low—Med.—High @ COOL Dry coil	CFM	183-261-335	222-286-406	268-328-381	268-328-381	296-431-568
Moisture removal	pt./h (L/h)	2.7 (1.3)	3.2 (1.5)	4.7 (2.2)	5.1 (2.4)	7.3 (3.45)
Sound level Low-Med.-High	dB(A)	26-32-40	33-38-45	34-40-45	34-40-46	34-40-49
Cond. drain connection O.D.	in. (mm)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)
Dimensions W	in. (mm)	30-11/16 (780)	30-11/16 (780)	30-11/16 (780)	30-11/16 (780)	43-5/16 (1,100)
D	in. (mm)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	10-1/4 (260)
H	in. (mm)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	12-13/16 (325)
Weight	lb. (kg)	23 (10.43)	24 (10.43)	25 (10.43)	26 (10.43)	37 (16.78)
REMOTE CONTROLLER		Wireless type	Wireless type	Wireless type	Wireless type	Wireless type
Control voltage (by built-in transformer)		115V AC	115V AC	DC 12-24V	DC 12-24V	DC 12-24V
 						
Item	Unit Model	<b>MS-A09WA</b>	<b>MS-A12WA</b>	<b>MSY-A15NA</b>	<b>MSY-A17NA</b>	<b>MSY-A24NA</b>
Capacity Rated >Minimum-Maximum	Cooling Btu/h (kW)	9500 - (2,784)	12000 - (3,517)	15,000 (4.4) > 3,100-15,000 (0.91 - 4.4)	16,200 (4.75) > 3,100-16,200 (0.91 - 4.75)	22,000 (6.45) > 4,400-22,000 (1.29 - 6.45)
Power consumption Rated(Minimum-Maximum)	Cooling W	870	1,070	1,690(210 - 1,690) inverter	2,070(210 - 2,070) inverter	2,880(290 - 2,880) inverter
SEER	Cooling	13	13	16	16	16
OUTDOOR UNIT MODEL		<b>MU-A09WA</b>	<b>MU-A12WA</b>	<b>MUY-A15NA</b>	<b>MUY-A17NA</b>	<b>MUY-A24NA</b>
External finish	Colour Code	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1	Munsell 3Y 7.8/1	Munsell 3Y 7.8/1.1
Power supply	V, phase, Hz	115, 1, 60	115, 1, 60	208-230/1/60	208-230/1/60	208-230/1/60
Max. fuse size (time delay)	A	15	20	15	15	20
Min. circuit ampacity	A	14	16	14	14	17
Fan motor	F.L.A	0.63	0.926	0.52	0.52	0.93
Compressor	Model	RN092WHDHT	RN110WHDHT	SNB130FPDH	SNB130FPDH	SNB130FPDH
Compressor Type		Constant	Constant	Inverter	Inverter	Inverter
R.L.A	A	9.3	10.82	10.1	10.1	10.1
L.R.A	A	47	56	12	12	16
Refrigerant control		Capillary tube	Capillary tube	LEV	LEV	LEV
Sound level	dB(A)	47	52	50	52	55
Dimensions W	in. (mm)	31-1/2 (800)	33-7/16 (850)	31-1/2 (800)	31-1/2 (800)	33-1/16 (840)
D	in. (mm)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	13 (330)
H	in. (mm)	21-5/8 (550)	23-13/16 (589)	21-5/8 (550)	21-5/8 (550)	33-7/16 (850)
Weight	lb. (kg)	78 (35.38)	96 (43.54)	88 (39.62)	89 (39.62)	128 (58)
REMOTE CONTROLLER		Wireless type	Wireless type	Wireless type	Wireless type	Wireless type
REFRIGERANT PIPING		Not supplied	Not supplied	Not supplied	Not supplied	Not supplied
Refrigerant pipe size	Liquid in.	1/4	1/4	1/4	1/4	1/4
Gas	in.	3/8	1/2	1/2	1/2	5/8
Connection method	Indoor	Flared	Flared	Flared	Flared	Flared
	Outdoor	Flared	Flared	Flared	Flared	Flared
Between the indoor & outdoor units	Height difference ft. (m)	35 (11)	35 (11)	40 (12)	410(12)	50 (15)
Piping length	ft. (m)	65 (20)	65 (20)	65 (20)	65 (20)	100 (30.5)
Disconnect to outdoor unit						Disconnect to outdoor unit
Indoor Power Supply Wiring Method		Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor
Supply Wiring (Outdoor)	AWG	14	12	14	14	12
	Number of wires in cable	2 + Ground	2 + Ground	2 + Ground	2 + Ground	2 + Ground
Power Supply & Control Wiring: Outdoor to Indoor	AWG	14	14	14	14	14
	Number of wires in cable	3 + Ground	3 + Ground	3 + Ground	3 + Ground	3 + Ground
Disconnect required at indoor unit		Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code

Test conditions are based on ARI 210/240.  
Rating conditions (cooling) — Indoor : 80°FDB, 67°FWB, Outdoor : 95°FDB, (75°FWB)

M-Series R410A Heat Pump Specifications						
Item	Unit Model	MSZ-A09NA	MSZ-A12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
INDOOR UNIT MODEL		MSZ-A09NA	MSZ-A12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
External finish		White	White	White	White	White
Power supply	V, phase, Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Max. fuse size (time delay)/ Disconnect switch-	A	15	15	15	15	15
Min. circuit ampacity	A	1	1	1	1	1
Fan motor	F.L.A	0.76	0.76	0.76	0.76	0.76
Airflow Low—Med.—High @ COOL Dry coil	CFM	152-229-307	152-240-353	268-328-381	268-328-381	296-431-568
Moisture removal	pt./h (L/h)	2.3 (1.089)	3.2 (1.514)	4.7 (2.224)	5.1 (2.413)	7.3 (3.45)
Sound level Low-Med.-High	dB(A)	22/33/38	22/34/42	34/40/45	34/40/46	34/40/49
Cond. drain connection O.D.	in. (mm)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)
Dimensions W	in. (mm)	30-11/16 (790)	30-11/16 (790)	30-11/16 (790)	30-11/16 (790)	43-5/16 (1100)
D	in. (mm)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	10-1/4 (260)
H	in. (mm)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	12-13/16 (310)
Weight	lb. (kg)	23 (10.43)	23 (10.43)	23 (10.43)	23 (10.43)	37 (16.78)
REMOTE CONTROLLER		Wireless type	Wireless type	Wireless type	Wireless type	Wireless type
Control voltage (by built-in transformer)		DC 12-24V	DC 12-24V	DC 12-24V	DC 12-24V	DC 12-24V
						
Item	Unit Model	MSZ-A09NA	MSZ-A12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
Capacity Rated -Minimum-Maximum	Cooling Btu/h (KW)	9,000 (2.63) > 5,500-9,000 (1.61 - 2.63)	12,000 (3.5) > 5,700-12,000 (1.67 - 3.5)	15,000 (4.39) > 3,100-15,000 (0.909 - 4.39)	16,200 (4.75) > 3,100-16,200 (0.909 - 4.75)	22,000 (6.49) > 4,400-22,000 (1.29 - 6.49)
Capacity Rated - Condition A > Minimum-Maximum 70°FDB, 60°FWB, Outdoor : 47°FDB, (43°FWB)	Heating Btu/h (KW)	10,900 (3.20) > 5,200-12,600 (1.52 - 3.69)	13,600 (3.99) > 5,200-13,600 (1.52 - 3.99)	18,000 (5.28) > 3,400-20,900 (0.996 - 6.120)	20,100 (5.89) > 3,400-20,900 (0.996 - 6.125)	23,200 (6.8) > 3,600-24,400 (1.06 - 7.15)
Capacity Rated - Condition B (Maximum) Indoor : 70°FDB, 60°FWB, Outdoor : 17°FDB, (15°FWB)	Heating Btu/h (KW)	7700 (2.26)	8300 (2.43)	13000 (3.81)	13000 (3.8)	15200 (4.45)
Power consumption Rated(Minimum-Maximum)	Heating W	390-690 (inverter)	395-1170 (inverter)	210 - 1,690 (inverter)	210 - 2,070 (inverter)	290 - 2,880 (inverter)
Power consumption Rated(Minimum-Maximum)	Heating W	860 (350-1160)	1160 (350-1160)	1790(250-2330)	2150(250-2330)	2350(260-2570)
SEER	Cooling	17	17	16	16	16
HSPF	Region iv (v)	8.2 (6.7)	8.2 (6.7)	8.2 (6.7)	8.2 (6.7)	8.2 (6.7)
OUTDOOR UNIT MODEL		MUZ-A09NA	MUZ-A12NA	MUZ-A15NA	MUZ-A17NA	MUZ-A24NA
External finish	Colour Code	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1
Power supply	V, phase, Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Max. fuse size (time delay)	A	15	15	15	15	20
Min. circuit ampacity	A	12	12	14	14	17
Fan motor	F.L.A	0.52	0.52	0.52	0.52	0.93
Compressor	Model	KNB092FPAH	KNB092FPAH	SNB130FPDH	SNB130FPDH	SNB130FPDH
Compressor Type		Inverter	Inverter	Inverter	Inverter	Inverter
R.L.A	A	7.8	7.8	10.1	10.1	10.1
L.R.A	A	9.2	9.2	12	12	16
Refrigerant control		LEV	LEV	LEV	LEV	LEV
Sound level - Cooling (Heating)	dB(A)	48 (48)	48 (48)	50 (51)	52 (53)	55 (55)
Dimensions W	in. (mm)	31-1/2 (800)	31-1/2 (800)	31-1/2 (800)	31-1/2 (800)	33-1/16 (850)
D	in. (mm)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	13 (330)
H	in. (mm)	21-5/8 (550)	21-5/8 (550)	21-5/8 (550)	21-5/8 (550)	33-7/16 (850)
Weight	lb. (kg)	82 (37)	83 (37)	88 (39.9)	89 (39.9)	128 (58)
REMOTE CONTROLLER		Wireless type	Wireless type	Wireless type	Wireless type	Wireless type
REFRIGERANT PIPING		Not supplied	Not supplied	Not supplied	Not supplied	Not supplied
Refrigerant pipe size	Liquid in.	1/4	1/4	1/4	1/4	1/4
Gas	in.	3/8	3/8	1/2	1/2	5/8
Connection method	Indoor	Flared	Flared	Flared	Flared	Flared
	Outdoor	Flared	Flared	Flared	Flared	Flared
Between the indoor & outdoor units	Height difference ft. (m)	40 (12)	40 (12)	40 (12)	40 (12)	50 (15)
Piping length	ft. (m)	65 (20)	65 (20)	65 (20)	65 (20)	100 (30)
Outdoor Power Supply Wiring Method	"Disconnect field supplied"	Disconnect to outdoor unit	Disconnect to outdoor unit	Disconnect to outdoor unit	Disconnect to outdoor unit	Disconnect to outdoor unit
Indoor Power Supply Wiring Method		Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor	Outdoor to Indoor
Supply Wiring (Outdoor)	AWG	14	14	14	14	12
	Number of wires in cable	2 + Ground	2 + Ground	2 + Ground	2 + Ground	2 + Ground
Power Supply & Control Wiring: Outdoor to Indoor	AWG	14	14	14	14	14
	Number of wires in cable	3 + Ground	3 + Ground	3 + Ground	3 + Ground	3 + Ground
Disconnect required at indoor unit		Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code	Follow Local Electrical Code









Test conditions are based on ARI 210/240.

Rating conditions (cooling) — Indoor : 80°FDB, 67°FWB, Outdoor : 95°FDB, (75°FWB)

Rating conditions A (Heating) — Indoor : 70°FDB, 60°FWB, Outdoor : 47°FDB, (43°FWB)

Rating conditions B (Heating) — Indoor : 70°FDB, 60°FWB, Outdoor : 17°FDB, (15°FWB)



M-Series R410A Heat Pump - Multi Split Specifications						
Item	Unit Model	MSZ-A09NA	MSZ-A12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
INDOOR UNIT MODEL		MSZ-A09NA	MSZ-A12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
External finish		White	White	White	White	White
Power supply	V, phase, Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Max. fuse size (time delay)/ Disconnect switch-	A	15	15	15	15	15
Min. circuit ampacity	A	1	1	1	1	1
Fan motor	F.L.A	0.76	0.76	0.76	0.76	0.76
Airflow Low—Med.—High @ COOL Dry coil	CFM	152-229-307	152-240-353	268-328-381	268-328-381	296-431-568
Moisture removal	pt/h (L/h)	2.3 (1.1)	3.2 (1.54)	4.7 (2.26)	5.1 (2.46)	7.3 (3.51)
Sound level Low-Med.-High	dB(A)	22/33/38	22/34/42	34/40/45	34/40/46	34/40/49
Cond. drain connection O.D.	in. (mm)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)	5/8 (15.875)
Dimensions W	in. (mm)	30-1/16 (780)	30-1/16 (780)	30-1/16 (780)	30-1/16 (780)	43-5/16 (1100)
D	in. (mm)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	8-1/4 (210)	10-1/4 (260)
H	in. (mm)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	11-1/4 (286)	12-13/16 (325)
Weight	lb. (Kg)	23 (10.43)	24 (10.43)	25 (10.43)	26 (10.43)	37 (16.78)
REMOTE CONTROLLER		Wireless type	Wireless type	Wireless type	Wireless type	Wireless type
Control voltage (by built-in transformer)		DC 12-24V	DC 12-24V	DC 12-24V	DC 12-24V	DC 12-24V
 						
Item	Unit Model	MXZ-2A20NA	MXZ-3A30NA			
	Number of connectible indoor units	1 - 2	1 - 3			
Capacity Rated (Minimum—Maximum)	Cooling Btu/h (Kw)	20,000 (5.86) > 7,800 – 20,000 (2.29 - 5.86)	28,400 (8.32) > 12,600 – 28,400 (3.6 - 8.32)			
Capacity Rated - Condition A > Minimum—Maximum) 70°FDB, 60°FWB, Outdoor : 47°FDB, (43°FWB)	Heating Btu/h (Kw)	22,000 (6.4) > 18,500 – 22,000 (5.42 - 6.45)	28,600 (8.3) > 11,400 – 36,000 (3.34 - 10.55)			
Capacity Rated - Condition B > Maximum) Indoor : 70°FDB, 60°FWB, Outdoor : 17°FDB, (15°FWB)	Heating Btu/h (Kw)	14500 (4.25)	18800 (5.5)			
Power consumption Rated(Minimum—Maximum)	Cooling W	2,150/(630 – 2,150)	3,250/(1,000 – 3,250)			
Power consumption Rated(Minimum—Maximum)	Heating W	1,780/(520 – 1,780)	2,180/(740 – 2,880)			
SEER	Cooling	15	16			
HSPF	Region iv (v)	9	10			
OUTDOOR UNIT MODEL		MXZ-2A20NA	MXZ-3A30NA			
External finish	Colour Code	Munsell 5Y 8/1	Munsell 3.0Y 7.8/1.1			
Power supply	V, phase, Hz	208/230, 1, 60	208/230, 1, 60			
Max. fuse size (time delay)	A	20	20			
Min. circuit ampacity	A	15	15			
Fan motor	F.L.A	0.96	0.93			
Compressor	Model	SNB130FPDH1	TNB220FMCH			
Compressor Type		Inverter	Inverter			
R.L.A	A	10.1	11			
L.R.A	A	15	15			
Refrigerant control		LEV	LEV			
Sound level - Cooling (Heating)	dB(A)	49 (51)	49 (49)			
Dimensions W	in. (mm)	33-1/16 (840)	35-7/16 (900)			
D	in. (mm)	13 <+1-3/16 > ( 330 <+30 > )	12-19/32 <+1-3/16> (320 <+30>)			
H	in. (mm)	27-15/16 (710)	35-7/16 (900)			
Weight	lb. (Kg)	130 (58.97)	158 (71.67)			
REMOTE CONTROLLER		Wireless type	Wireless type			
REFRIGERANT PIPING		Not supplied	Not supplied			
Refrigerant pipe size	Liquid in.	1/4 x 2	1/4 x 3			
Gas	in.	3/8 x 2	(1/2 X 1) (3/8 X 2)			
Connection method	Indoor	Flared	Flared			
	Outdoor	Flared	Flared			
Between the indoor & outdoor units	Height difference ft. (m)	33 (10)	33 (10)			
Piping length	ft.	164 (50)	230 (70)			
Outdoor Power Supply Wiring Method	"Disconnect field supplied"	Disconnect to outdoor unit	Disconnect to outdoor unit			
Indoor Power Supply Wiring Method		Outdoor to indoor units	Outdoor to indoor units			
Supply Wiring (Outdoor)	AWG	12	12			
Power Supply & Control Wiring: Outdoor to Indoor	Number of wires in cable	2 + Ground	2 + Ground			
	AWG	14	14			
Disconnect required at indoor units		3 + Ground (x 2 one per indoor unit)	3 + Ground (x 3 one per indoor unit)			
Test conditions are based on ARI 210/240.		Follow Local Electrical Code	Follow Local Electrical Code			
Rating conditions (cooling) — Indoor : 80°FDB, 67°FWB, Outdoor : 95°FDB, (75°FWB)		MSZ-A09NA	MSZ-A09NA			
Rating conditions A (Heating) — Indoor : 70°FDB, 60°FWB, Outdoor : 47°FDB, (43°FWB)		MSZ-A12NA	MSZ-A12NA			
Rating conditions B (Heating) — Indoor : 70°FDB, 60°FWB, Outdoor : 17°FDB, (15°FWB)		MSZ-A15NA	MSZ-A15NA			
		MSZ-A09NA + MSZ-A09NA	MSZ-A17NA			
		MSZ-A09NA + MSZ-A12NA	MSZ-A24NA			
		MSZ-A09NA + MSZ-A15NA	MSZ-A09NA + MSZ-A09NA			
		MSZ-A12NA + MSZ-A12NA	MSZ-A09NA + MSZ-A12NA			
			MSZ-A09NA + MSZ-A15NA			
			MSZ-A09NA + MSZ-A17NA			
			MSZ-A09NA + MSZ-A24NA			
			MSZ-A12NA + MSZ-A12NA			
			MSZ-A12NA + MSZ-A15NA			
			MSZ-A12NA + MSZ-A17NA			
			MSZ-A15NA + MSZ-A15NA			
			MSZ-A15NA + MSZ-A17NA			
			MSZ-A17NA + MSZ-A17NA			
			MSZ-A09NA + MSZ-A09NA + MSZ-A09NA			
			MSZ-A09NA + MSZ-A09NA + MSZ-A12NA			
			MSZ-A09NA + MSZ-A09NA + MSZ-A15NA			
			MSZ-A09NA + MSZ-A09NA + MSZ-A17NA			
			MSZ-A09NA + MSZ-A09NA + MSZ-A24NA			

