MINI-SPLIT SYSTEMS

QUICK REFERENCE GUIDE

MODEL	WALL-MOUNTED INDOOR UNITS							CEILING CASSETTE INDOOR UNITS						MODEL
	MWMA***S4-1L		MWMA***S4-1P					M22A***S4-1P			M33A***S4-1P			
	009	012	009	012	018	024	030	009	012	018	024	036	048	
Cooling (Btu/h)	9,000	12,000	9,000	12,000	17,500	23,000	30,000	9,000	12,000	16,000	23,000	36,000	44,500	Cooling (Btu/h)
Heating (Btu/h)	10,000	12,000	10,000	12,000	18,000	25,000	32,000	10,000	12,000	18,000	25,000	38,000	49,000	Heating (Btu/h)
CFM (High/Medium/Low)	340/260/205	340/260/205	340/260/205	340/260/205	595/460/355	750/690/565	750/690/565	380/320/260	400/340/280	420/350/290	820/740/590	1,060/940/820	1,190/1,000/850	CFM (High/Medium/Low)
Static (in wg)	-	-	-	-	-	-	-	-	-	-	-	-	-	Static (in wg)
V/Ph	115/1	115/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	V/Ph
Condensate Lift (in)	-	-	-	-	-	-	-	27.5	27.5	27.5	27.5	27.5	27.5	Condensate Lift (in)
Width (in)	32-7/8	32-7/8	32-7/8	32-7/8	39	46-3/4	46-3/4	22-1/2	22-1/2	22-1/2	33-1/8	33-1/8	33-1/8	Width (in)
Height (in)	11	11	11	11	12-3/8	13-1/2	13-1/2	10-3/8	10-3/8	10-3/8	8-1/8	9-5/8	11-1/4	Height (in)
Depth (in)	7-7/8	7-7/8	7-7/8	7-7/8	8-5/8	10-1/4	10-1/4	22-1/2	22-1/2	22-1/2	33-1/8	33-1/8	33-1/8	Depth (in)
Sound (dBA)	29	29	29	29	31	39	39	37	35	41	43	44	44	Sound (dBA)
Weight (lb)	20	20	20	20	27	40	40	36	36	40	46	56	64	Weight (lb)

MODEL	MEDIUM STATIC DUCTED INDOOR UNITS						CEILING/FLOOR INDOOR UNITS			MODEL
	MMDA***S4-1P						MCFA***S4-1P			
	009	012	018	024	036	048	024	036	048	
Cooling (Btu/h)	9,000	11,000	16,000	23,000	36,000	48,000	23,000	36,000	46,500	Cooling (Btu/h)
Heating (Btu/h)	10,000	11,800	18,000	24,400	38,000	50,000	25,000	38,000	50,000	Heating (Btu/h)
CFM (High/Medium/Low)	400/330/270	400/330/270	485/380/320	800/675/585	910/800/630	1,280/1,100/920	880/770/650	970/820/560	1,350/1,120/1,000	CFM (High/Medium/Low)
Static (in wg)	0.16	0.16	0.28	0.28	0.32	0.40	-	-	-	Static (in wg)
V/Ph	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	V/Ph
Condensate Lift (in)	27.5	27.5	27.5	27.5	27.5	27.5	-	-	-	Condensate Lift (in)
Width (in)	31-1/8	31-1/8	39-3/4	39-3/4	48-1/2	50-3/4	42-1/8	50-5/8	65	Width (in)
Height (in)	8-1/4	8-1/4	8-1/4	10-5/8	10-5/8	11-7/8	9-1/4	9-1/4	9-1/4	Height (in)
Depth (in)	25	25	25	25	30-1/2	34-1/8	26-5/8	26-5/8	26-5/8	Depth (in)
Sound (dBA)	31	32	31	45	45	41	52	41	52	Sound (dBA)
Weight (lb)	40	40	51	58	78	100	56	67	84	Weight (lb)

MODEL	SINGLE ZONE OUTDOOR UNITS									MULTI-ZONE OUTDOOR UNITS				MODEL
	MPA***S4S-1L		MPA***S4S-1P							MPA***S4M-1P				
	009	012	009	012	018	024	030	036	048	018	030	036	048	
Cooling (Btu/h)	9,000	12,000	9,000	12,000	17,500	23,000	30,000	36,000	48,000	18,000	25,000	36,000	42,000	Cooling (Btu/h)
Heating (Btu/h)	10,000	12,000	10,000	12,000	18,000	25,000	32,000	38,000	50,000	18,900	32,000	36,000	49,000	Heating (Btu/h)
CFM	1,180	1,180	1,120	1,180	1,470	2,355	2,530	2,940	4,240	1,470	2,060	2,240	4,240	CFM
V/Ph	115/1	115/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	208-230/1	V/Ph
MCA	15	15	15	15	13	15	20	30	35	15	19	27	29	MCA
MOCP	20	20	15	15	20	25	30	50	60	20	25	45	50	MOCP
Width (in)	34-3/8	34-3/8	34-3/8	34-3/8	36-1/8	40-5/8	40-5/8	40-5/8	40-1/4	36	40-5/8	40-5/8	40-3/8	Width (in)
Height (in)	22	22	22	22	27-1/2	31-7/8	31-7/8	31-7/8	53-3/4	27-3/8	31-7/8	31-7/8	53-7/8	Height (in)
Depth (in)	13-3/4	13-3/4	13-3/4	13-3/4	14-1/8	17-5/8	17-5/8	17-5/8	17-5/8	14-1/8	17-5/8	17-5/8	17-5/8	Depth (in)
Sound (dBA)	51	52	53	54	61	59	59	62	63	57	59	62	58	Sound (dBA)
Weight (lb)	83	83	83	83	111	134	158	161	220	106	144	162	218	Weight (lb)

MINI-SPLIT SYSTEMS

QUICK REFERENCE GUIDE

PIPING LIMITATIONS (SINGLE ZONE MINI-SPLIT SYSTEMS)

SINGLE ZONE WITH ALL INDOOR UNIT MODELS

Model	009	012	018	024	030	036	048
Liquid Line Set Diameter [in]	1/4	1/4	1/4	3/8	3/8	3/8	3/8
Vapor Line Set Diameter [in]	3/8	1/2	1/2	5/8	5/8	5/8	5/8
Maximum Line Set Elevation - ODU Below [ft (m)]	40 (12)	40 (12)	66 (20)	82 (25)	82 (25)	98 (30)	98 (30)
Maximum Line Set Elevation - ODU Above [ft (m)]	40 (12)	40 (12)	66 (20)	82 (25)	82 (25)	98 (30)	98 (30)
Maximum Line Set Length [ft (m)]	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	213 (65)	213 (65)

MULTI-ZONE WITH ALL INDOOR UNIT MODELS

Number of IDUs	Maximum Line Set Length - all IDUs [ft (m)]	Maximum Line Set Length - furthest IDU [ft (m)]	Maximum Line Set Elevation - ODU Below [ft (m)]	Maximum Line Set Elevation - ODU Above [ft (m)]	Maximum Line Set Elevation between IDUs [ft (m)]
2	98 (30)	66 (20)	49 (15)	33 (10)	33 (10)
3	148 (45)	82 (25)	49 (15)	33 (10)	33 (10)
4	197 (60)	98 (30)	49 (15)	33 (10)	33 (10)
5	246 (75)	98 (30)	49 (15)	33 (10)	33 (10)

SINGLE ZONE OUTDOOR UNITS (208-230 V)

Model	009	012	018	024	030	036	048
Refrigerant Charge (oz)	44.09	44.09	67.00	82.90	105.82	125.50	152.00
Refrigerant Precharge (ft)	25	25	25	25	25	25	25
Additional Charge / ft (oz)	0.16	0.16	0.16	0.32	0.32	0.32	0.32
	SINGLE ZONE ODU (115 V)			MULTI-ZONE OUTDOOR UNITS			
Model	009	012		018	030	036	048
Refrigerant Charge (oz)	44.09	44.09	—	68.00	98.80	127.00	152.00
Refrigerant Precharge (ft)	25	25	—	25	25	25	25
Additional Charge / ft (oz)	0.16	0.16	—	0.16	0.16	0.16	0.16

INDOOR UNIT CAPACITIES

Indoor Unit Type		Model Number	Capacity (kBtu/h) 009	012	018	024	030	036	048
Wall-Mounted	115 V	MWMA***S4-1L	•	•					
	208-230V	MWMA***S4-1P	♦	♦	♦	♦	•		
Ceiling Cassette	2x2	M22A***S4-1P	♦	♦	♦				
	3x3	M33A***S4-1P				♦		•	•
Medium Static Ducted		MMDA***S4-1P	♦	♦	♦	♦		•	•
Ceiling/Floor		MCFA***S4-1P		♦	♦	♦		•	•

♦ Single-zone and multi-zone compatible units
• Single-zone indoor units

	Wired MOSTAT61Q-1	Wireless MOSTAT60Q-1
Voltage (V)	5	3
Dimensions (in)	4.72 x 4.72 x 0.83	5.70 x 2.16 x 0.86
Weight (lb)	0.37	0.22
Standard	MMDA	MWMA, M22A, M33A, MCFA
Option	MWMA, M22A, M33A, MCFA	MMDA
CONTROLLER FEATURES		
On/Off	•	•
LED Display	•	•
Operation Mode Toggle (Auto - Cool - Dry - Heat - Fan)	•	•
Fan Speed Toggle (Auto - Low - Medium - High)	•	•
Temperature Toggle (Fahrenheit - Celsius)	•	•
Louver Swing	•	•
Setpoint Control	•	•
Timer On/Off	•	•
Follow Me	•	•
Option Scroll	•	•
Battery Charge Status		•
Transmission Display		•
Settings Lock	•	
Settings Reset	•	
QUICK-ACCESS MODES		
Sleep Mode		•
Turbo Mode		•
Self-cleaning Mode		•
Quiet Mode		•
Frost Prevention Mode		•

PIPING LIMITATIONS (MULTI-ZONE, MINI-SPLIT SYSTEMS)

OUTDOOR UNIT INSTALLATION CLEARANCES - INCHES (MM)

Dimension	in.	mm
A	24	610
B	80	2,032
C	12	305

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