

Specifications

Moderato Series (Europe)



■ Cooling Only ■ Heat Pump

MODEL NAME			AQV09MSA	AQV12MSA	AQV18MSA	AQV24MSA
Refrigerant Type			■ R410a	■ R410a	■ R410a	■ R410a
			Smart Inverter	Smart Inverter	Smart Inverter	Smart Inverter
Performance						
Capacity	Cooling	Btu/hr	8,530	11,942	17,061	23,203
		Cal/hr	2,150	3,009	4,299	5,847
	Heating	Btu/hr	11,942	13,649	20,473	27,297
		Cal/hr	3,009	3,439	5,159	6,879
Energy Efficiency	Cooling	EER (Btu/W)	13.9	11.3	11.0	10.3
		EER (W/W)	4.08	3.30	3.21	3.01
	Heating	COP (W/W)	3.65	3.62	3.41	2.81
Moisture Removal		l/hr	1.0	1.4	2.5	3.0
Air Circulation(Max)		m ³ /min	7.5	8.5	13.0	15.0
Noise Level		Indoor High/Low	31/22	36/22	40/30	41/30
		Outdoor High	45	45	54	56
Electrical Data						
Power Source		V/Hz/Ø	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	613	1,060	1,560	2,260
	Heating	W	960	1,105	1,760	2,850
Operating Current	Cooling	A	3.1	5.1	7.0	10.6
	Heating	A	4.6	5.3	8.0	13
Dimension & Loading Q'ty						
Net Dimension(WxHxD)	Indoor	mm	950x268x178	950x268x178	1,099x315x217	1,099x315x217
	Outdoor	mm	720x548x265	720x548x265	880x638x310	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	33.5	33.5	46	50
Shipping Weight	Indoor	kg	11	11	16	16
	Outdoor	kg	35	35	49	53
Loading Q'ty	W pipe	20/40ft/Jumbo	95/201/222	95/201/222	61/126/138	61/126/138
	W/O pipe	20/40ft/Jumbo	100/211/243	100/211/243	61/126/138	61/126/138
Technical Information						
SVC Valve	Liquid	ODxL	Ø6.35mmx5m	Ø6.35mmx5m	Ø6.35mmx5m	Ø6.35mmx5m
	Gas	ODxL	Ø9.52mmx5m	Ø9.52mmx5m	Ø12.7mmx5m	Ø15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	8	8	15	15
Refrigerant		G	900	900	1,450	1,450
Add Refrigerant		g/m	CHARGELESS	CHARGELESS	15	15
Features						
Micro Plasma Ion			•	•	•	•
Good'sleep Mode			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
Pure & Clean Air	Deodorizing Filter		•	•	•	•
	Pure Filter (HAF Filter)		-	-	-	-
	Catechin Filter		•	•	•	•
Operating Mode	Anti-allergy Filter		-	-	-	-
	Digital i Plus		-	-	-	-
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Sleep Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
Convenience	Auto Changeover		•	•	•	•
	Surrounding Air Control		-	-	-	-
	Auto Wind		•	•	•	•
	Air Flow Control Steps (Cool/Fan)		4/3	4/3	4/3	4/3
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
	Auto Grille		-	-	-	-
Remote Controller		•	•	•	•	
Auto Clean (self cleaning)		•	•	•	•	
Etc.	Compressor Type		Rotary	Rotary	Rotary	Twin
Low Ambient	Cooling	°C	-10~43	-10~43	-10~43	-10~43
	Heating	°C	-15~24	-15~24	-15~24	-15~24

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■ Cooling Only ■ Heat Pump

MODEL NAME			AQ09MSB	AQ12MSB	AQ18MSB	AQ24MSB
Refrigerant Type			■ R410a	■ R410a	■ R410a	■ R410a
			-	-	-	-
Performance						
Capacity	Cooling	Btu/hr	9,000	12,000	18,000	24,000
		Cal/hr	2,322	3,095	4,471	5,847
	Heating	Btu/hr	10,000	13,000	20,000	24,000
		Cal/hr	2,494	3,267	4,987	6,019
Energy Efficiency	Cooling	EER (Btu/W)	11.0	11.0	9.6	9.6
		EER (W/W)	3.23	3.23	2.81	2.81
	Heating	COP (W/W)	3.44	3.22	3.22	2.81
Moisture Removal		l/hr	1.0	1.3	1.9	2.6
Air Circulation(Max)		m ³ /min	8	9	15	17
Noise Level		Indoor High/Low	31/22	36/26	40/32	42/35
		Outdoor High	45	45	52	55
Electrical Data						
Power Source		V/Hz/Ø	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	836	1,115	1,850	2,420
	Heating	W	843	1,180	1,800	2,490
Operating Current	Cooling	A	3.9	5	8.4	10.8
	Heating	A	3.7	5.3	8.2	11.2
Dimension & Loading Q'ty						
Net Dimension(WxHxD)	Indoor	mm	950x268x178	950x268x178	1,099x315x217	1,099x315x217
	Outdoor	mm	720x548x265	720x548x265	790x548x265	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	33.5	33.5	39.5	54.5
Shipping Weight	Indoor	kg	11	11	16	16
	Outdoor	kg	35	35	42	58
Loading Q'ty	W pipe	20/40ft/Jumbo	95/201/222	95/201/222	78/157/184	61/126/138
	W/O pipe	20/40ft/Jumbo	100/211/243	100/211/243	78/157/184	61/126/138
Technical Information						
SVC Valve	Liquid	ODxL	Ø6.35mmx5m	Ø6.35mmx5m	Ø6.35mmx5m	Ø6.35mmx5m
	Gas	ODxL	Ø9.52mmx5m	Ø12.7mmx5m	Ø12.7mmx5m	Ø15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	15	20
Piping Height	Max	mm	7	7	8	8
Refrigerant		G	-	-	-	-
Add Refrigerant		g/m	-	-	-	-
Features						
Micro Plasma Ion			Optional	Optional	Optional	Optional
Good'sleep Mode			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
Pure & Clean Air	Deodorizing Filter		•	•	•	•
	Pure Filter (HAF Filter)		-	-	-	-
	Catechin Filter		•	•	•	•
Operating Mode	Anti-allergy Filter		-	-	-	-
	Digital i Plus		-	-	-	-
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Sleep Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
Convenience	Auto Changeover		•	•	•	•
	Surrounding Air Control		-	-	-	-
	Auto Wind		•	•	•	•
	Air Flow Control Steps (Cool/Fan)		4/3	4/3	4/3	4/3
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
	Auto Grille		-	-	-	-
Remote Controller		•	•	•	•	
Auto Clean (self cleaning)		•	•	•	•	
Etc.	Compressor Type		Rotary	Rotary	Rotary	Rotary
Low Ambient	Cooling	°C	-	-	-	-
	Heating	°C	-	-	-	-