

Specifications

Vivace Series (Europe)



■ Cooling Only ■ Heat Pump

MODEL NAME			AQV09VBA	AQV12VBA	AQV18VBA	AQV24VBA
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
		kW	2.5	3.5	5.0	6.8
	Heating	Btu/hr	11,942	13,649	20,473	27,297
		Cal/hr	3,009	3,439	5,159	6,879
		kW	3.5	4.0	6.0	8.0
Energy Efficiency	Cooling	EER (Btu/W)	14.0	11.6	11.0	10.3
	Heating	EER (W/W)	4.10	3.40	3.23	3.01
Moisture Removal		COP (W/W)	4.10	3.64	3.41	2.81
		l/hr	1.0	1.4	2.5	3.0
Air Circulation(Max)		m ³ /min	8.0	9.0	13.0	15.0
Noise Level	Indoor High/Low	dB	31/21	35/21	40/30	41/30
	Outdoor High	dB	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	610	1,030	1,548	2,260
	Heating	W	850	1,099	1,760	2,850
Operating Current	Cooling	A	3.0	5.0	7.0	10.6
	Heating	A	4.1	5.3	8.0	13
Dimension & Loading Q'ty						
Net Dimension(WxHxD)	Indoor	mm	825x285x189	825x285x189	1,065x298x214	1,065x298x214
	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	96/205/233	96/205/233	61/128/150	61/128/150
	W/O pipe	20/40ft/Jumbo	106/231/259	106/231/259	66/138/153	66/138/153
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		•	•	•	•
	Deodorizing Filter		•	•	•	•
Pure & Clean Air	Pure Filter (HAF Filter)		•	•	•	•
	Catechin Filter		-	-	-	-
	Anti-allergy Filter		•	•	•	•
Operating Mode	Digital i Plus		-	-	-	-
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Sleep Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
	Auto Changeover		•	•	•	•
	Surrounding Air Control		-	-	-	-
	Auto Wind		•	•	•	•
Convenience	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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Vivace Series (CIS/Russia)



■ Cooling Only ■ Heat Pump

MODEL NAME			AQ09VBA	AQ12VBA	AQ18VBA	AQ24VBA
Refrigerant Type			■ R22	■ R22	■ R22	■ R22
			-	-	-	-
Performance						
Capacity	Cooling	Btu/hr	9,000	12,000	18,000	24,000
		Cal/hr	2,322	3,009	4,385	5,847
		kW	2.7	3.5	5.1	6.8
	Heating	Btu/hr	10,000	13,000	20,000	24,000
		Cal/hr	2,494	3,267	4,987	6,019
		kW	2.9	3.8	5.8	7.0
Energy Efficiency	Cooling	EER (Btu/W)	9.57	10.26	9.47	9.23
	Heating	EER (W/W)	2.87	2.99	2.68	2.62
Moisture Removal		COP (W/W)	3.33	3.23	3.13	2.71
		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	dB	32/24	36/26	40/32	42/35
	Outdoor High	dB	46	46	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	940	1,170	1,900	2,600
	Heating	W	880	1,180	1,870	2,600
Operating Current	Cooling	A	4.2	5.2	9	12.5
	Heating	A	3.9	5.3	9	12.5
Dimension & Loading Q'ty						
Net Dimension(WxHxD)	Indoor	mm	825x285x189	825x285x189	1,065x298x214	1,065x298x214
	Outdoor	mm	660x470x240	720x548x265	790x548x285	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	26	31	39	56
Shipping Weight	Indoor	kg	11	11	16	16
	Outdoor	kg	27.5	33	43	58
Loading Q'ty	W pipe	20/40ft/Jumbo	116/240/273	96/205/233	82/170/197	61/128/150
	W/O pipe	20/40ft/Jumbo	136/280/300	106/222/252	82/170/197	61/128/150
Technical Information						
SVC Valve	Liquid	ODxL	Ø6.35mmx5.0m	Ø6.35mmx5.0m	Ø6.35mmx5.0m	Ø6.35mmx5.0m
	Gas	ODxL	Ø9.52mmx5.0m	Ø12.7mmx5.0m	Ø12.7mmx5.0m	Ø15.88mmx5.0m
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			•	•	•	•
Good'sleep Mode			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
	Deodorizing Filter		•	•	•	•
Pure & Clean Air	Pure Filter (HAF Filter)		-	-	-	-
	Catechin Filter		-	-	-	-
	Anti-allergy Filter		•	•	•	•
Operating Mode	Digital i Plus		-	-	-	-
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Sleep Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
	Auto Changeover		•	•	•	•
	Surrounding Air Control		-	-	-	-
	Auto Wind		•	•	•	•
Convenience	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	-	-	-	-