

OMEGA VRF MED. E.S.P. DUCTED

SUBMITTAL DATA

208-240V/1/50-60Hz

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____
For: Reference **Approval** **Review** **Construction**

FEATURES

- Build in Drain Pump
- Small Installation Space
- Medium Static Pressure Design
- DC Inverter Motor
- Water Overflow Protection
- Intelligent Drainage Device



1. Specifications

Model			VEMP024Q0A-GCV071	VEMP027Q0A-GCV080	VEMP031Q0A-GCV090
Power supply			220-240V/1PH/50Hz	220-240V/1PH/50Hz	220-240V/1PH/50Hz
Capacity	Cooling	kW	7.1	8.0	9.0
	Heating	kW	8.0	9.0	10.0
Power Input		kW	0.300	0.300	0.340
Fan motor	Model		YSK120-150F-4P3H105-1	YSK120-150F-4P3H105-1	YDK110-75F-4P3H105L-2 YSK120-150F-4P3H105-2
	Type		DC	DC	DC
	Brand		Kangbao	Kangbao	Kangbao
	Input	W	300	300	340
	Capacitor	μF	5	5	4+6
	Speed (Hi/Med/Low)	r/min	1300/1200/1100	1300/1200/1100	1420/1370/1330 1400/1320/1280
	ESP	Pa	70	70	70
Indoor coil	Number of rows		3	3	3
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7.94, Innergroove Tube	Ø7.94, Innergroove Tube	Ø7.94, Innergroove Tube
Air flow (High speed)		m ³ /h	1220	1220	1850
Sound power level		dB(A)	36~41	36~41	38~43
Body	Dimension (W×H×D)	mm	1209×260×680	1209×260×680	1445×260×680
	Packing (W×H×D)	mm	1245×320×720	1245×320×720	1480×320×720
	Net/Gross weight	kg	33/37	33/37	46/50
Refrigerant type			R410A	R410A	R410A
Throttle type			EXV	EXV	EXV
Design pressure		MPa	4.2	4.2	4.2
Liquid pipe / Gas pipe		mm	Ø9.53/ Ø15.9	Ø9.53/ Ø15.9	Ø9.53/ Ø15.9
Connecting wire	Power wire	AWG	16	16	16
	Signal wire	AWG	22	22	22
Drainage water pipe (Outer diameter)		mm	Ø25	Ø25	Ø25
Controller	Standard		Remote controller	Remote controller	Remote controller
	Optional		Wired controller	Wired controller	Wired controller
Operation temp		°C	16~32	16~32	16~32

NOTES

- The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
- The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
- Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- The company reserves the right to revise product technical parameter without having to notify the clients individually.

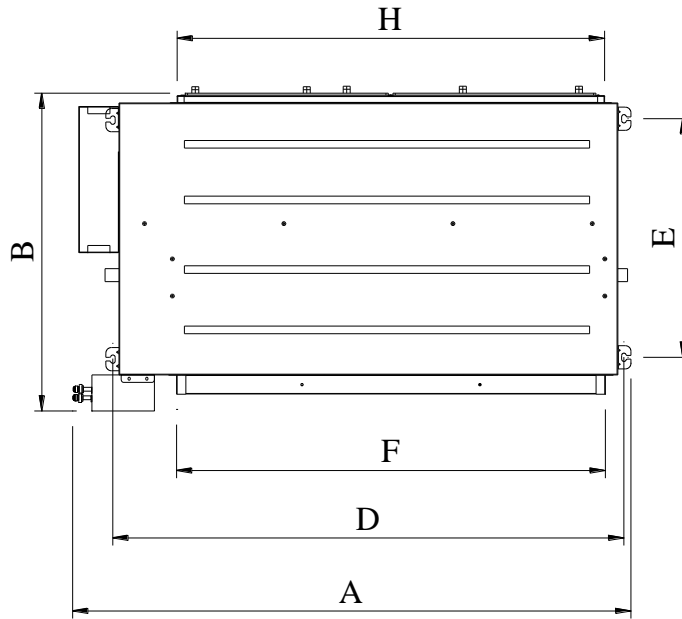
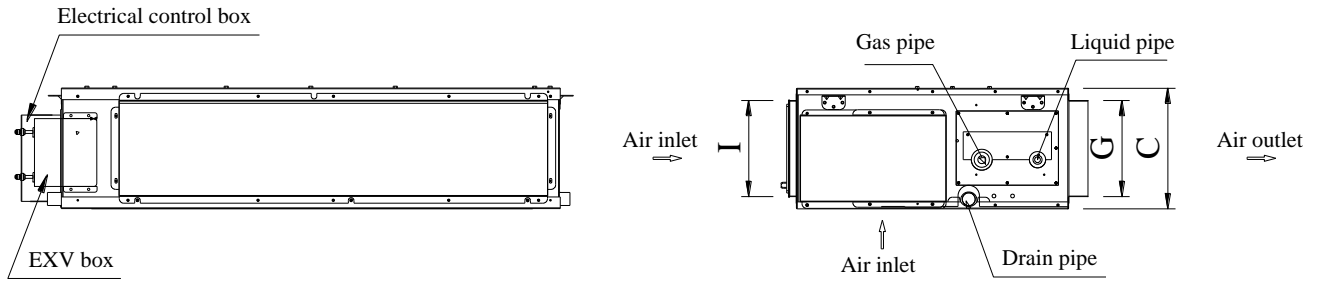
1. Specifications

Model			VEMP035Q0A-GCV100	VEMP040Q0A-GCV100	VEMP048Q0A-GCV140
Power supply			220-240V/1PH/50Hz	220-240V/1PH/50Hz	220-240V/1PH/50Hz
Capacity	Cooling	kW	10.0	12.0	14.0
	Heating	kW	11.0	13.0	16.0
Power Input		kW	0.340	0.340	0.340
Fan motor	Model		YDK110-75F-4P3H105L-2 YSK120-150F-4P3H105-2	YDK110-75F-4P3H105L-2 YSK120-150F-4P3H105-2	YDK110-75F-4P3H105L-2 YSK120-150F-4P3H105-2
	Type		DC	DC	DC
	Brand		Kangbao	Kangbao	Kangbao
	Input	W	340	340	340
	Capacitor	μF	4+6	4+6	4+6
	Speed (Hi/Med/Low)	r/min	1420/1370/1330 1400/1320/1280	1420/1370/1330 1400/1320/1280	1420/1370/1330 1400/1320/1280
	ESP	Pa	70	70	70
Indoor coil	Number of rows		3	3	3
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7.94, Innergroove Tube	Ø7.94, Innergroove Tube	Ø7.94, Innergroove Tube
Air flow (High speed)		m ³ /h	2000	2000	2000
Sound power level		dB(A)	40~44	40~44	40~44
Body	Dimension (W×H×D)	mm	1445×260×680	1445×260×680	1445×260×680
	Packing (W×H×D)	mm	1480×320×720	1480×320×720	1480×320×720
	Net/Gross weight	kg	46/50	46/50	46/50
Refrigerant type			R410A	R410A	R410A
Throttle type			EXV	EXV	EXV
Design pressure		MPa	4.2	4.2	4.2
Liquid pipe / Gas pipe		mm	Ø9.53/ Ø15.9	Ø9.53/ Ø15.9	Ø9.53/ Ø15.9
Connecting wire	Power wire	AWG	16	16	16
	Signal wire	AWG	22	22	22
Drainage water pipe (Outer diameter)		mm	Ø25	Ø25	Ø25
Controller	Standard		Remote controller	Remote controller	Remote controller
	Optional		Wired controller	Wired controller	Wired controller
Operation temp		°C	16~32	16~32	16~32

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2-DIMENSIONAL DRAWINGS - (MM)



Mode	Body dimension (mm)			Installation dimension (mm)		Air outlet dimension (mm)		Air return dimension (mm)	
	A	B	C	D	E	F	G	H	I
VEMP024Q0A-GCV071	1209	680	260	1101	515	920	197	920	207
VEMP027Q0A-GCV080	1209	680	260	1101	515	920	197	920	207
VEMP031Q0A-GCV090	1209	680	260	1101	515	920	197	920	207
VEMP035Q0A-GCV100	1445	680	260	1337	515	1156	197	1156	207
VEMP040Q0A-GCV120	1445	680	260	1337	515	1156	197	1156	207
VEMP048Q0A-GCV140	1445	680	260	1337	515	1156	197	1156	207