

# OMEGA Two Way Cassette IDU

## SUBMITTAL DATA

**220-240V/1/50Hz**

Job: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Schedule No.: \_\_\_\_\_  
 System Designation: \_\_\_\_\_

Engineer: \_\_\_\_\_  
 Architect: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 For:      Reference                      Review      Construction

### FEATURES

- Built in Drain Pump
- Self Diagnosis Function
- Two Direction Airflow
- Auto Restart
- Factory Tested
- Fan Motor Overload Protection



## 1. Specifications

Model			VECT015Q3A-GWV045	VECT019Q3A-GWV056
Power supply			220-240V/1PH/50Hz	220-240V/1PH/50Hz
Capacity	Cooling	kW	4.5	5.6
	Heating	kW	5.0	6.3
Power input		kW	0.07	0.07
Fan motor	Model		YSK100-55F-4P3	YSK100-55F-4P3
	Type		AC	AC
	Brand		xinjun/kangbao	xinjun/kangbao
	Capacitor	μF	3	3
	Speed (Hi/Med/Low)	r/min	1290/970/810/710	1290/970/810/710
	Speed (Hi/Med/Low)	r/min	1310/1000/790/730	1310/1000/790/730
Indoor coil	Number of rows		2	2
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7, Innergroove Tube	Ø7, Innergroove Tube
Air flow		m <sup>3</sup> /h	800	800
Sound pressure level		dB(A)	36~42	36~42
Body	Dimension (W×H×D)	mm	1068×517×310	1068×517×310
	Packing (W×H×D)	mm	1205×620×350	1205×620×350
	Net/Gross weight	kg	34.5/38.7	34.5/38.7
Panel	Dimension (W×H×D)	mm	1178×630×44	1178×630×44
	Packing (W×H×D)	mm	1205×655×75	1205×655×75
	Net/Gross weight	kg	5/7	5/7
Refrigerant type			R410A	R410A
Throttle type			Electrical expansion valve	Electrical expansion valve
Design pressure		MPa	4.5	4.5
Liquid pipe / Gas pipe		mm	Ø6.35/ Ø12.70	Ø6.35/ Ø12.70
Connecting wire	Power wire	mm <sup>2</sup>	2×2.5+2.5mm <sup>2</sup> (below 20m) 2×4.0+2.5mm <sup>2</sup> (below 50m)	2×2.5+0.25mm <sup>2</sup> (below 20m) 2×4.0+2.5mm <sup>2</sup> (below 50m)
	Signal wire	mm <sup>2</sup>	0.75	0.75
Drainage water pipe (Outer diameter)		mm	Ø20	Ø20
Controller	Standard		Remote controller	Remote controller
	Optional		Wired controller	Wired controller
Operation temp		°C	16~32	16~32

**Notes:**

- 1) Nominal cooling capacities are based on the following conditions.
  - Outdoor temperature: 35°C DB
  - Return air temperature: 27°C DB, 19°C WB
  - Equivalent piping length: 8m in horizontal
- 2) Nominal heating capacities are based on the following condition.
  - Outdoor temperature: 7°C DB, 6°C WB
  - Return air temperature: 20°C DB
  - Equivalent piping length: 8m in horizontal
- 3) Sound pressure level: Semi-anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.4 m.
- 4) The above data may be changed without notice for future improvement on quality and performance.

## 1. Specifications

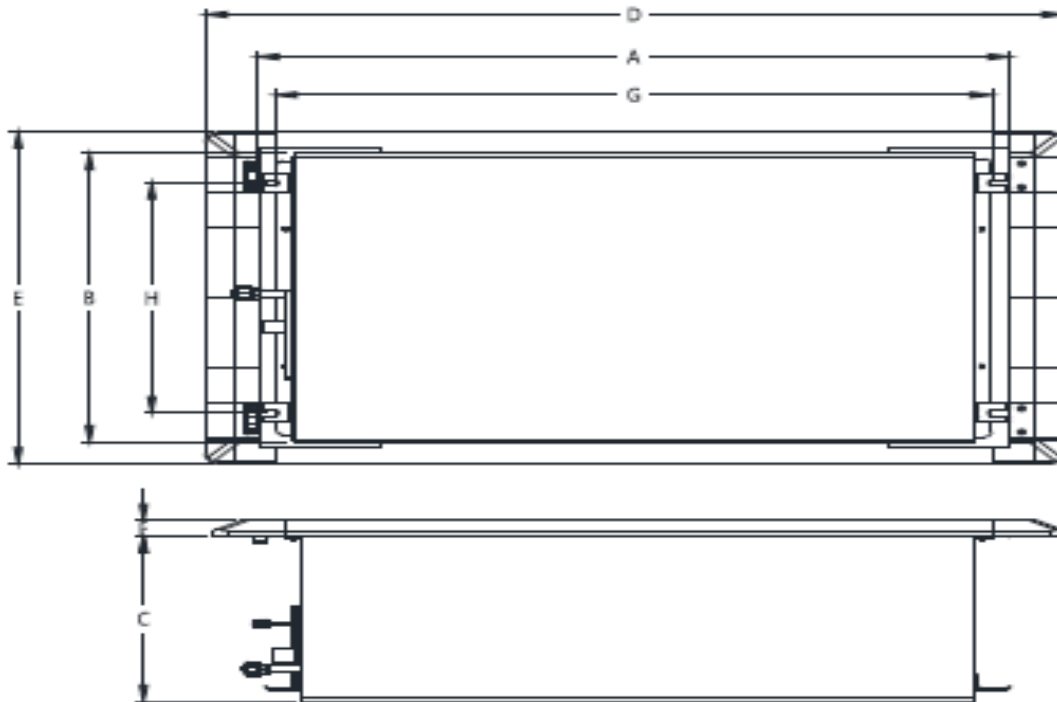
Model			VECT024Q3A-GWV071	VECT027Q3A-GWV080
Power supply			220-240V/1PH/50Hz	220-240V/1PH/50Hz
Capacity	Cooling	kW	7.1	8
	Heating	kW	8	9
Power input		kW	0.1	0.1
Fan motor	Model		YSK100-68F-4P3	YSK100-68F-4P3
	Type		AC	AC
	Brand		xinjun/kangbao	xinjun/kangbao
	Capacitor	μF	3.5	3.5
	Speed	r/min	1360/1150/900/780	1360/1150/900/780
	Speed	r/min	1370/1180/920/800	1370/1180/920/800
Indoor coil	Number of rows		2	2
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7,Innergroove Tube	Ø7,Innergroove Tube
Air flow		m <sup>3</sup> /h	1120	1120
Sound pressure level		dB(A)	40~46	40~46
Body	Dimension (W×H×D)	mm	1308×517×310	1308×517×310
	Packing (W×H×D)	mm	1445×620×350	1445×620×350
	Net/Gross weight	kg	41.2/45.6	41.2/45.6
Panel	Dimension (W×H×D)	mm	1420x630x44	1420x630x44
	Packing (W×H×D)	mm	1445×655×75	1445×655×75
	Net/Gross weight	kg	6/8.5	6/8.5
Refrigerant type			R410A	R410A
Throttle type			Electrical expansion valve	Electrical expansion valve
Design pressure		MPa	4.5	4.5
Liquid pipe / Gas pipe		mm	Ø9.52/ Ø15.88	Ø9.52/ Ø15.88
Connecting wire	Power wire	mm <sup>2</sup>	2×2.5+2.5mm <sup>2</sup> (below 20m) 2×4.0+2.5mm <sup>2</sup> (below 50m)	2×2.5+0.25mm <sup>2</sup> (below 20m) 2×4.0+2.5mm <sup>2</sup> (below 50m)
	Signal wire	mm <sup>2</sup>	0.75	0.75
Drainage water pipe (Outer diameter)		mm	Ø20	Ø20
Controller	Standard		Remote controller	Remote controller
	Optional		Wired controller	Wired controller
Operation temp		°C	16~32	16~32

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- 2) Nominal heating capacities are based on the following condition.
  - Outdoor temperature: 7°C DB, 6°C WB
  - Return air temperature: 20°C DB
  - Equivalent piping length: 8m in horizontal
- 3) Sound pressure level: Semi-anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.4 m.
- 4) The above data may be changed without notice for future improvement on quality and performance.

2-DIMENSIONAL DRAWINGS - (MM)

VECT015Q3A-GWV045, VECT019Q3A-GWV056, VECT024Q3A-GWV071, VECT027Q3A-GWV080



Model of indoor unit / Size code	Body size			Panel size			Installing size	
	A	B	C	D	E	F	G	H
4.5kW~5.6kW	1092	548	315	1178	630	44	1006	437
7.1kW~8.0kW	1332	548	315	1420	630	44	1246	437

**3- ELECTRICAL CHARACTERISTICS**

Model	Indoor unit				MFC	Power cable			Signal cable
	Hz	Voltage	Minimum	Maximum		L ≤ 20m	L ≤ 50m	Grounded	
VECT015Q3A-GWV045	50Hz	220-240V	198	264	15	2*2.5mm <sup>2</sup>	2*4.0mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VECT019Q3A-GWV056	50Hz	220-240V	198	264	15	2*2.5mm <sup>2</sup>	2*4.0mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VECT024Q3A-GWV071	50Hz	220-240V	198	264	15	2*2.5mm <sup>2</sup>	2*4.0mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VECT027Q3A-GWV080	50Hz	220-240V	198	264	15	2*2.5mm <sup>2</sup>	2*4.0mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>

**Notes:**

- 1) *Minimum: Permitted minimum operating voltage, lower than this value may damage the system*
- 2) *Maximum: Permitted maximum operating voltage, higher than this value may damage the system*
- 3) *MC: Minimum Current (A)*
- 4) *MFC: Maximum Fuse Current (A)*
- 5) *L: Total length of cable (m)*



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