

# OMEGA VRF Wall Mounted IDU

## SUBMITTAL DATA

**208-230V/1/50-60Hz**

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

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

### FEATURES

- Anti-freezing Protection
- Auto Restart
- Auto Swing (Vertical)
- Washable Filter
- Whisper Quiet Design
- Self-Diagnostics Function



## 1. Specifications

Model			VEWP008Q0A-GWV022	VEWP010Q0A-GWV028	VEWP012Q0A-GWV036
Code			821044100020	821044100021	821044100022
Power supply			220-240V/1N/50-60Hz	220-240V/1N/50-60Hz	220-240V/1N/50-60Hz
Capacity	Cooling	kW	2.2	2.8	3.6
	Heating	kW	2.5	3.2	4.0
Power Input		W	15	15	18
Fan motor	Model		DR-310-13-8	DR-310-13-8	DR-310-13-8
	Type		DC	DC	DC
	Brand		Weiling	Weiling	Weiling
	Speed (Tur/Hi/Med/Low)	r/min	1000/900/870/850	1000/900/870/850	1100/1000/950/900
Indoor coil	Number of rows		2	2	2
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7, Innergroove tube	Ø7, Innergroove tube	Ø7, Innergroove tube
Air flow		m <sup>3</sup> /h	440/380/360/350	440/380/360/350	500/440/415/380
Sound pressure level		dB(A)	24~33	24~33	27~36
Body	Dimension (W×H×D)	mm	864x300x200	864x300x200	864x300x200
	Packing (W×H×D)	mm	945x375x290	945x375x290	945x375x290
	Net/Gross weight	kg	9.5/12	9.5/12	9.5/12
Refrigerant type			R410A	R410A	R410A
Throttle type			EXV	EXV	EXV
Liquid pipe / Gas pipe		mm	Ø6.35/ Ø9.52	Ø6.35/ Ø9.52	Ø6.35/ Ø12.7
Connecting wire	Power wire	mm <sup>2</sup>	1.5*2+2.5(L≤20m)	1.5*2+2.5(L≤20m)	1.5*2+2.5(L≤20m)
			2.5*2+2.5(20m<L≤50m)	2.5*2+2.5(20m<L≤50m)	2.5*2+2.5(20m<L≤50m)
	Signal wire	mm <sup>2</sup>	0.75*2 shield	0.75*2 shield	0.75*2 shield
Drainage water pipe (Outer diameter)		mm	Ø20	Ø20	Ø20
Controller	Standard		Remote controller	Remote controller	Remote controller
	Optional		3-core wired controller	3-core wired controller	3-core wired controller
Operation temperature		°C	16~32	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 1.5 m.
- 4) The above data may be changed without notice for future improvement on quality and performance.

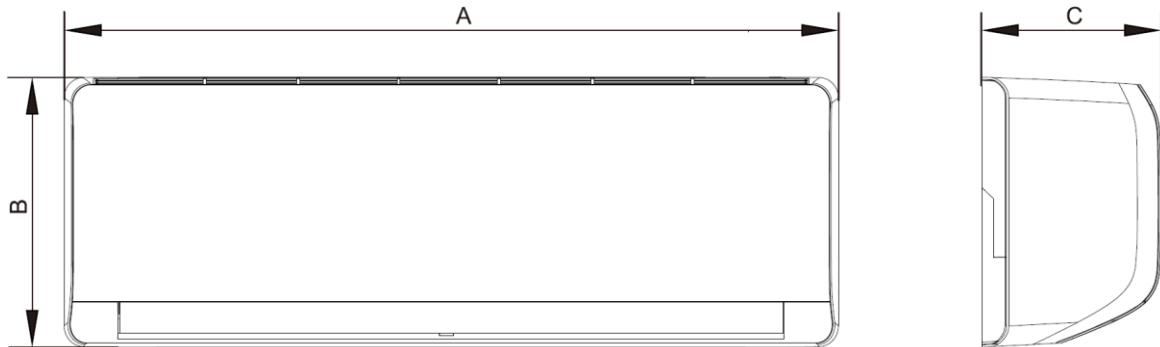
## 1. Specifications

Model			VEWP015Q0A-GWV045	VEWP019Q0A-GWV056	VEWP024Q0A-GWV071
Code			821044100023	821044100024	821044100025
Power supply			220-240V/1N/50-60Hz	220-240V/1N/50-60Hz	220-240V/1N/50-60Hz
Capacity	Cooling	kW	4.5	5.6	7.1
	Heating	kW	5.0	6.3	8.0
Power Input		W	20	23	35
Fan motor	Model		DR-310-30G-8	DR-310-30G-8	DR-310-30G-8
	Type		DC	DC	DC
	Brand		Weiling	Weiling	Weiling
	Speed (Tur/Hi/Med/Low)	r/min	1050/950/900/850	1100/1000/950/900	1300/1200/1100/1000
Indoor coil	Number of rows		2	2	2
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter and type	mm	Ø7, Innergroove tube	Ø7, Innergroove tube	Ø7, Innergroove tube
Air flow		m <sup>3</sup> /h	655/610/565/525	720/645/580/560	890/805/720/645
Sound pressure level		dB(A)	29~38	32~42	35~43
Body	Dimension(W×H×D)	mm	972x320x215	972x320x215	972x320x215
	Packing (W×H×D)	mm	1060x400x310	1060x400x310	1060x400x310
	Net/Gross weight	kg	11.5/14	11.5/14	11.5/14
Refrigerant type			R410A	R410A	R410A
Throttle type			EXV	EXV	EXV
Liquid pipe / Gas pipe		mm	Ø6.35/ Ø12.7	Ø6.35/ Ø12.7	Ø9.52/ Ø15.88
Connecting wire	Power wire	mm <sup>2</sup>	1.5*2+2.5(L≤20m)	1.5*2+2.5(L≤20m)	1.5*2+2.5(L≤20m)
		mm <sup>2</sup>	2.5*2+2.5(20m<L≤50m)	2.5*2+2.5(20m<L≤50m)	2.5*2+2.5(20m<L≤50m)
	Signal wire	mm <sup>2</sup>	0.75*2 shield	0.75*2 shield	0.75*2 shield
Drainage water pipe (Outer diameter)		mm	Ø20	Ø20	Ø20
Controller	Standard		Remote controller	Remote controller	Remote controller
	Optional		3-core wired controller	3-core wired controller	3-core wired controller
Operation temperature		°C	16~32	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 1.5 m.
- 4) The above data may be changed without notice for future improvement on quality and performance.

2-DIMENSIONAL DRAWINGS - (MM)



Model	Body dimension (mm)		
	A	B	C
VEWP008Q0A-GWV022	864	300	200
VEWP010Q0A-GWV028	864	300	200
VEWP012Q0A-GWV036	864	300	200
VEWP015Q0A-GWV045	972	320	215
VEWP019Q0A-GWV056	972	320	215
VEWP024Q0A-GWV071	972	320	215

**3- ELECTRICAL CHARACTERISTICS**

Model	Indoor unit				MFC	Power cable			Signal cable
	Hz	Voltage	Minimum	Maximum		L ≤ 20m	L ≤ 50m	Grounded	
VEWP008Q0A-GWV022	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VEWP010Q0A-GWV028	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VEWP012Q0A-GWV036	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VEWP015Q0A-GWV045	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VEWP019Q0A-GWV056	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2*0.75 mm <sup>2</sup>
VEWP024Q0A-GWV071	50-60Hz	220-240V	198	264	15	2*1.5mm <sup>2</sup>	2*2.5mm <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)*