

OMEGA Cassette with Top Discharge Condensing Unit

SUBMITTAL DATA

208~230V/1/50-60Hz

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

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

FEATURES

Outdoor

- High Efficiency & Energy Saving
- Super Quiet Operation
- Compact Body.
- Reliable and well-known compressors.
- Electronic Expansion Valve
- Easy to Install the Unit.

Indoor

- Flexible Installation
- 360 Air Flow
- Quiet Centrifugal Blower
- LED or Digital Display
- Built in Water Pump
- Multi-Protection



1. Specifications

IECR - Round Flow Cassette Indoor Unit

CASSETTE TYPE				
Model name	Cassette Indoor		IECR836N0A-LWI105	IECR860N0A-LWI160
Power supply		V//Hz/Ph	208~230V/50-60Hz/1ph	208~230V/50-60Hz/1ph
Cooling	Capacity	Btu/h	36000	60000
	Capacity	W	10548	16115
	Input	W	4200	6500
	Rated current	A	19.0	29.5
	SEER		18	18
Indoor coil	Number of row		2	3
	Fin spacing	mm	1.2	1.3
	Fin material		Hydrophilic & Louver Fin	Hydrophilic & Louver Fin
	Tube outside diameter	mm	φ5	φ5
	Tube material		Innergroover tube type	Innergroover tube type
	Coil length x height x width	mm	2050×254×23.2	2050×254×34.8
	Number of circuit		12	12
Indoor fan motor	Brand		Kaibang	Lifeng
	Model		ZWR60-E51	RD100HD1
	Motor type		DC motor	DC motor
	Input	W	135	160
	Running current	A	0.6	0.7
	Capacitor	uF	/	/
	Speed (Hi/Me/Lo)	rpm	730/670/620	860/800/720
Indoor air flow (Hi/Me/Lo)		m ³ /h	1740/1600/1460	2000/1840/1740
Indoor noise level (Hi/Me/Lo)		dB(A)	50/48/46	52/49/46
Indoor dimension	Unit (WxHxD)	mm	840x290x840	840x290x840
	Packing (WxHxD)	mm	935x350x935	935x350x935
Indoor weight	Net	kg	26	28
	Gross	kg	31	33
Panel	Unit (WxHxD)	mm	950×45×950	950×45×950
	Packing (WxHxD)	mm	1035×90×1035	1035×90×1035
	Net/Gross	kg	6.0/9.0	6.0/9.0
Refrigerant	Type		R410a	R410a
Refrigerant pipe	Liquid side	mm	9.52	9.52
	Gas side	mm	15.88	19.05
Drainage water pipe diameter		mm	OD25	OD25
Operation temperature range		°C	16~31	16~31
Operation Control			Remote controller	Remote controller

Notes:

1. Nominal cooling capacities are based on the following conditions:

Indoor temp: 26.7°CDB, 19.4°CWB; Outdoor temp: 35°CDB; Equivalent ref. Piping: 7.5m(horizontal)

2. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room;

1. Specifications

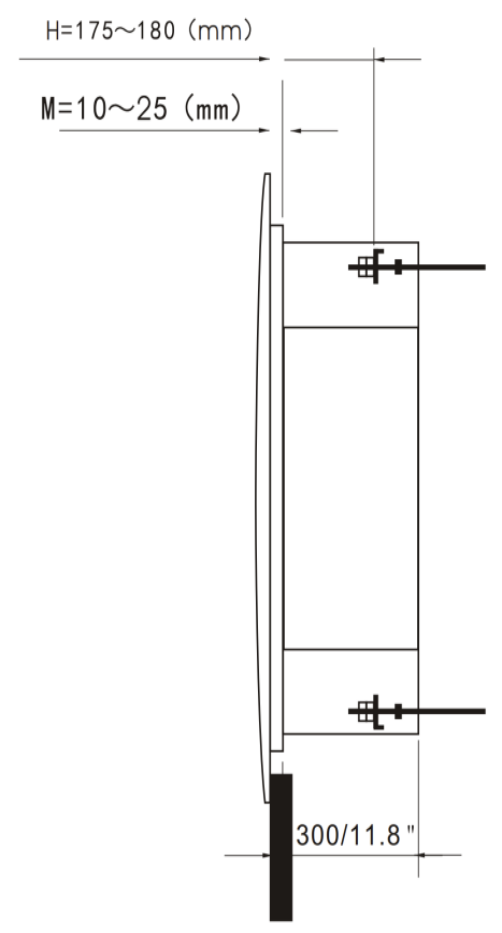
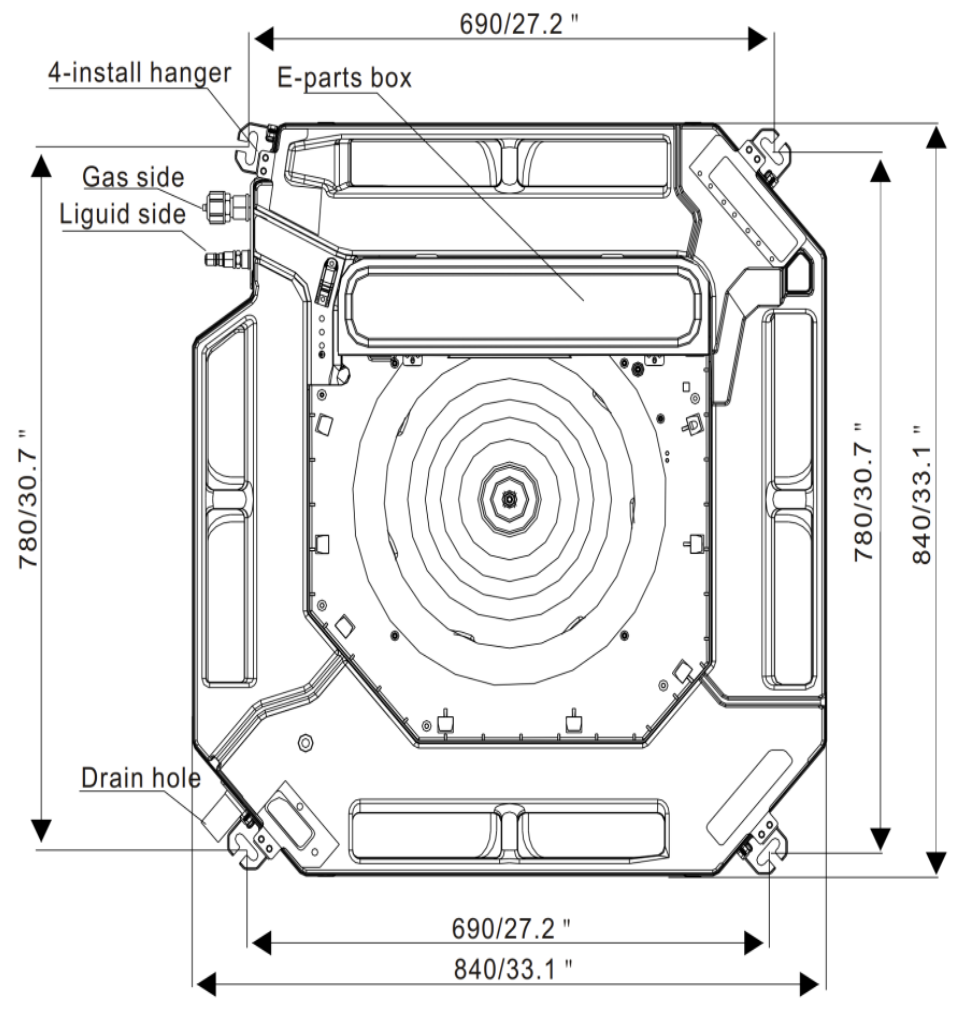
ICVC - Outdoor Unit

UNIVERSAL OUTDOOR UNIT			Z2U30308000097	Z2U30308000098
Model name		Universal Outdoor Unit	ICVC836N0A-LTI105	ICVC860N0A-LHI160
Power supply		V/Ph/Hz	208~230V/50-60Hz/1ph	208~230V/50-60Hz/1ph
Max. input consumption		W	4400	6700
Max. current		A	20	30.5
Starting current		A	/	/
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.2
	Suction	MPa	1.5	1.5
Compressor	Brand		GMCC	HIGHLY
	Model		KTM240D43UMT	GTH420SKPC8DQ
	Type		Rotary	Rotary
	Capacity	W	7740	11800
	Input	W	2065	3580
	Rated current(RLA)	A	9.4	15.8
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector		/	/
	Capacitor	mF	/	/
	Refrigerant oil	ml	620	1050
Outdoor coil	Number of row		2	2
	Fin spacing	mm	1.2	1.2
	Fin material		Louver or Corrugated Fin	Louver or Corrugated Fin
	Tube outside diameter	mm	φ5	φ5
	Tube material		Innergroover tube type	Innergroover tube type
	Coil length x height x width	mm	2187×585×23.2	2187×800×23.2
	Number of circuit		4	10
Outdoor motor	Motor type		DC motor	DC motor
	Brand		BROADOCEAN	BROADOCEAN
	Model		ZW511D000018L	ZW511D000018L
	Capacitor	mF	/	/
	Speed	rpm	1000	1050
Outdoor air flow		m ³ /h	5500	7000
Outdoor noise level		dB(A)	61	62
Outdoor dimension	Unit (WxHxD)	mm	740×633×740	740×843×740
	Packing (WxHxD)	mm	769×656×769	769×865×769
Outdoor weight	Net	kg	52	66
	Gross	kg	57	71
Refrigerant	Type		R410a	R410a
	Charge	g	2300	3000
Throttle type			electronic expansion valve	electronic expansion valve
Refrigerant pipe	Liquid side	mm	9.52	9.52
	Gas side	mm	15.88	19.05
	Max. refrigerant pipe length	m	25	30
	Max. difference in level	m	15	20
Ambient temperature range	Cooling	°C	5~48	5~48
	Heating	°C	/	/

2. Dimensional Drawings

IECR - Round Flow Cassette Indoor Unit

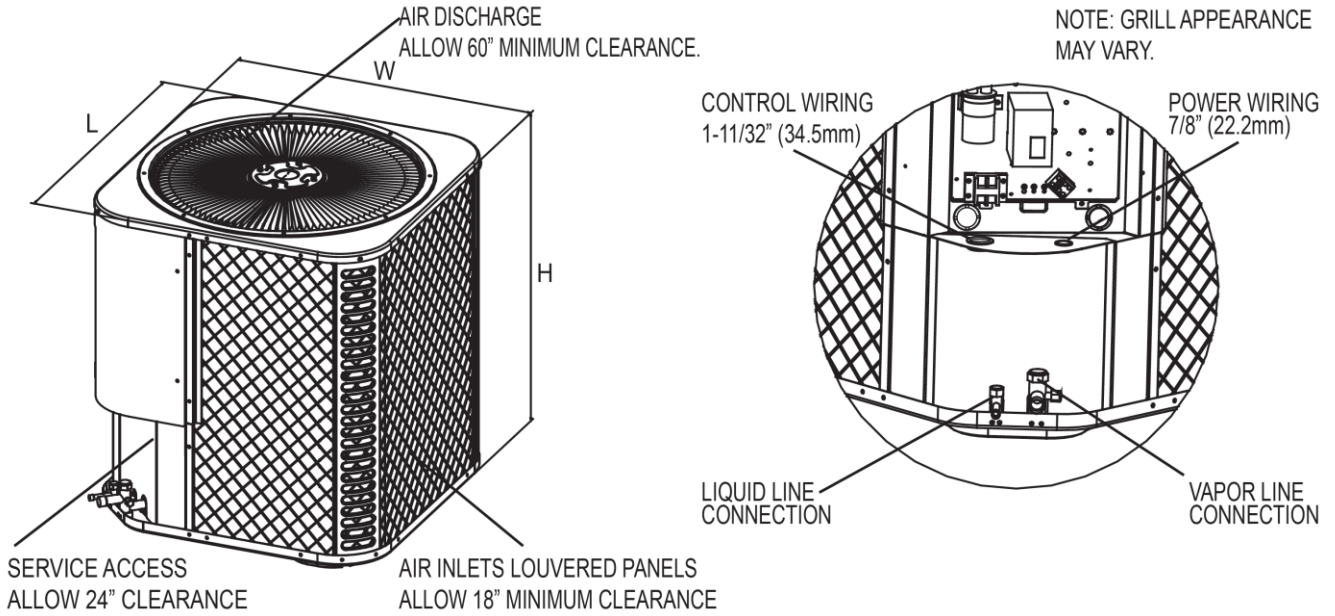
Unit:mm



2. Dimensional Drawings

ICVC - Outdoor Unit

Unit:mm



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	"H" in [mm]	"W" in [mm]	"L" in [mm]	Liquid in	Vapor in
ICVC836N0A-LTI105	33-3/16(843)	29-1/8(740)	29-1/8(740)	3/8	7/8
ICVC860N0A-LHI160	33-3/16(843)	29-1/8(740)	29-1/8(740)	3/8	7/8

3. Electrical Characteristics

Electrical Data - ICVC & IECR

Cassette - IECR

Cassette	Indoor Units				Indoor Fan Motor
Model	Hz	Voltage	KW	Max.	kW
IECR836N0A-LWI105	50/60	220-230V	198V	242V	0.135
IECR860N0A-LWI160	50/60	220-230V	198V	242V	0.160

Outdoor Unit - ICVC

Model	Outdoor Units				Outdoor Fan Motor
	Hz	Voltage	Min.	Max.	kW
ICVC836N0A-LTI105	50/60	220-230V	198V	242V	0.118
ICVC860N0A-LHI160	50/60	220-230V	198V	242V	0.217