

OMEGA

TECHNOLOGY

Engineered to elevate efficiency and comfort
..... to the next level!



IEUC



ICVC

IEUC SERIES

18 SEER - Air Handler

60 Hz Certified Split Cooling & Heating System

Cooling Nominal: 24,000-60,000 Btuh (7.0 - 17.6 kW)

Heating Nominal: 24,000-60,000 Btuh (7.0 - 17.6 kW)

Product Features

- ✓ Up to 18 SEER Cooling and Heating
- ✓ AHRI Certified & ETL Listed
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Under & Over Voltage Protection.
- ✓ R410A Refrigerant.
- ✓ Ideal for Small Commercial & Industrial Applications.

Outdoor Unit Features

- ✓ Designed for Cooling @ 64C°/118F° ambient.
- ✓ Designed for Heating @ 5C°/109F° ambient.
- ✓ Super Quiet Operation.
- ✓ Copper Tubes / Aluminum Fin Condenser.
- ✓ Compressor Overload Protection.
- ✓ Multi-Protection
- ✓ Anti-Freezing Protection
- ✓ High / Low Pressure Protection.
- ✓ Over Current Protection.
- ✓ Discharge Temperature Protection.

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ AC Motor for 24k & 36k
- ✓ DC Motor for 48k & 60k
- ✓ Low Noise Design
- ✓ Galvanized Steel Cabinet
- ✓ Copper Tubing and Enhanced Aluminum Fin Coil
- ✓ TXV Expansion Device
- ✓ Durable Plastic Drain Pan
- ✓ Primary and Secondary Drainage Design
- ✓ Direct Drive Motor
- ✓ Φ10.8" Powerful Fan
- ✓ Accessible Blower Assembly
- ✓ Auto Restart
- ✓ Flexible Installation
- ✓ Horizontal & Vertical Installation
- ✓ Detachable Air Filter for Cleaning or Renewal
- ✓ Wired Controller (Std.)
- ✓ 24V Thermostat (Opt.)
- ✓ Remote Controller (Opt.)



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

Notes:
Design, specification and performance data is subject to change without notice
Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.

www.otecometa.com

Engineered to elevate efficiency and comfort...
..... to the next level!

IEUC SERIES

18 SEER - Air Handler

60 Hz Certified Split Cooling & Heating

Cooling Nominal: 24,000-60,000 Btuh (7.0 - 17.6 kW)
Heating Nominal: 24,000-60,000 Btuh (7.0 - 17.6 kW)



IEUC



ICVC

Notes:

1. Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
2. Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
3. Refrigerant metering device is installed at the indoor unit as standard.
4. Sweat fittings are provided for connecting indoor and outdoor units.
5. Insulation of suction line only is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication OGMNM-1117.

INDOOR UNIT

MODEL NO.	IEUC	824N	836N	848N	860N
		0A-GNI070A	0A-GNI105A	0A-GNI140A	0A-GNI160A
Cooling Capacity Btuh (kW)	Nominal	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
Heating Capacity Btuh (kW)	Nominal	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
AHRI Certified Efficiency - SEER (Btuh/W)		18.0			
Fan	Type	Centrifugal			
	Speed	3			
	Air Flow CFM (m ³ /h)	780 (1326)	1300 (2210)	1500 (2550)	1750 (2975)
	Noise Level Hi/Lo dB(A)	63	66	67	68
	External Static Pressure	25	37.5	50	50
Motor Input (W)	616	880	1320	1320	
Throttle Type		TXV			
Coil Type:		Grooved Copper Tubes - Hydrophilic Aluminum Fins			
Electrical	Voltage	208/230V - 1Ph - 60Hz			
	Range	min 187 - max 253			
	FLA	2.8	4.1	6.0	6.0
Controls		Wired Controller (Std.) - 24V Thermostat (Opt.) - Remote Controller (Opt.)			
Body Dimensions inches (mm)	Height	45 3/4 (1162)	45 3/4 (1162)	53 1/8 (1350)	53 1/8 (1350)
	Width	19 2/3 (500)	19 2/3 (500)	19 2/3 (500)	19 2/3 (500)
	Depth	22 (560)	22 (560)	24 1/2 (623)	24 1/2 (623)
Net Weight	Lbs (kgs)	126 (57)	126 (57)	170 (77)	176 (80)

OUTDOOR UNIT

MODEL NO.	ICVC	824H	836H	848H	860H
		2A-GTI070A	2A-GTI105A	0A-GMI140A	0A-GMI160A
Cooling Capacity	Btuh (kW)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
Heating Capacity	Btuh (kW)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
Compressor	Type	Twin-Rotary DC			
	Rated Load Amps (RLA)	13.5	18.5	27.2	27.2
Outdoor Fan	Type	Axial Flow			
	No of Fans	1	1	1	1
	Motor Input (W)	110	110	200	200
	Air Flow CFM (m ³ /h)	2400 (4080)	2950 (5015)	4100 (6970)	4100 (6970)
Noise Level (dba) HI/Lo	63/52	63/52	65/54	65/54	
Coil Type:		Grooved Copper Tubes / Gold Fin Condenser			
Electrical	Voltage	208/230V - 1Ph - 60Hz			
	Range (min-max)	min 187 - max 253			
	Cooling Pwr. Input Nom. (W)	1935.0	1935.0	4040.0	4040.0
	Min. Circuit Amps (MCA)	19.7	27.2	40.0	40.0
	Max Fuse Amps (MOCP)	15.0	25.0	40.0	40.0
Refrigerant Charge R410a (oz./kgs.)		114 / 3.2	114 / 3.2	166 / 4.7	166 / 4.7
Refrigerant Connections inches (mm)	Type	Sweat			
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Suction	3/4 (19.1)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)	
Max Pipe Distance Ft.(m)	Height	50 (15)	50 (15)	50 (15)	50 (15)
	Length	100 (30)	100 (30)	100 (30)	100 (30)
Dimensions inches (mm)	Height	25 (633)	25 (633)	32 7/8 (835)	32 7/8 (835)
	Width	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)
	Depth	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)
Net Weight	Lbs (kgs)	157 (71)	157 (71)	201 (91)	201 (91)

