

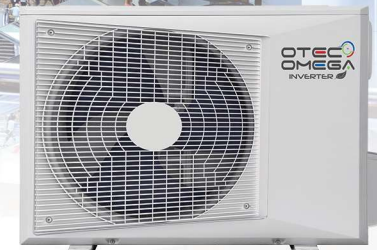
OMEGA

TECHNOLOGY

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



IEFC



ICHE

IEFC SERIES

16 SEER - Floor Ceiling 60 Hz Split Cooling System

Cooling Nominal: 18,000-55,000 Btuh (5.3 - 16.0kW)

Heating Nominal: 19,000-55,000 Btuh (5.6 - 16.0kW)

Product Features

- ✓ Up to 16 SEER Cooling
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Under & Over Voltage Protection.
- ✓ R410A Refrigerant.
- ✓ Ideal for Small Commercial & Industrial Applications.

Outdoor Unit Features

- ✓ Designed for Cooling @ 46C °/115F ° ambient.
- ✓ Super Quiet Operation.
- ✓ Copper Tubes / AL Fins Condenser.
- ✓ Twin Rotary Inverter Compressor
- ✓ 18K,24K,48K,60K, are using Mitsubishi Compressor
- ✓ 36K is using GMCC Compressor
- ✓ Compressor Overload Protection
- ✓ Electronic Expansion Valve
- ✓ Fixed Orifice
- ✓ Sensata Pressure Sensor
- ✓ Match-Well Pressure Switch
- ✓ Intelligent Proportional Integral Control Logic

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ AC Fan Motor
- ✓ Flexible Installation
- ✓ Capability of Floor Standing or Ceiling Suspended
- ✓ Washable Air Filter
- ✓ Auto-Swing Function
- ✓ Built-in Two Louver Motor
- ✓ Vertical and Horizontal Air-Flow Adjustment
- ✓ Built-in Water Pump
- ✓ Waterproof Plastic Film on Water Collector
- ✓ Water Leakable Protection
- ✓ Self-Diagnostic
- ✓ Multi-Protection
- ✓ Auto-Restart
- ✓ Quiet Centrifugal Blower
- ✓ Anti-Freezing Protection
- ✓ Remote Controller (Standard)
- ✓ Wired Controller (Optional)
- ✓ 24V Thermostat (Optional)

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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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.	IEFC	618K 2A-GWG053	624K 2A-GWG071	636K 2A-GWG105	648K 2A-GWG140	660K 2A-GWG160
Cooling Capacity Btuh (kW)	Nominal	18,000 (5.3)	24,000 (7.1)	36,000 (10.5)	48,000 (14.0)	55,000 (16.0)
Heating Capacity Btuh (kW)	Nominal	19,000 (5.6)	24,000 (7.1)	35,000 (10.3)	48,000 (14.0)	55,000 (16.0)
Efficiency - SEER	Btuh/W (W/W)	16.0 (5.9)				
Refrigerant Control Electronic Expansion Valve @ Outdoor Unit						
Fan	Type	Centrifugal				
	Speed	3	3	3	3	3
	Air Flow CFM (m ³ /hr) - Hi	705 (1200)	705 (1200)	1060 (1800)	1180 (2000)	1620 (2750)
	Noise Level (dBa) - Hi/Lo	41/34	41/35	43/37	56/51	56/51
	Motor Input (Watts)	160	160	240	320	320
Coil Type: Grooved Copper Tubes - Hydrophilic Fin						
Air Filter: Cleanable Cartridge Type						
Electrical	Voltage	208~230V-1PH-60Hz				
	Range	min 187 - max 253				
	FLA	0.7	0.7	1.0	1.5	1.5
Controls: Remote Controller (Std.) - Wired Controller (Opt.) - 24V Thermostat (Opt.)						
Refrigerant Connections inches (mm)	Type	R410A				
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Suction	5/8 (15.88)	5/8 (15.88)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	
	Drain Connection Inches (mm) 1 (25)					
Dimensions inches (mm)	Height	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)
	Width	41 3/8 (1050)	41 3/8 (1050)	51 1/2 (1300)	65 3/4 (1670)	65 3/4 (1670)
	Depth	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)
Net Weight	Lbs (kgs)	58.3 (26.5)	58.3 (26.5)	72.6 (33)	88 (40)	94.6 (43)

OUTDOOR UNIT						
MODEL NO.	ICHE	618K 2A-GMG053	624K 2A-GMG071	636K 2A-GMG105	648K 2A-GMG140	660K 2A-GMG160
Compressor	Type	DC/Twin-Rotary				
	Rated Load Amps (RLA)	4.4	6.7	8.5	14.8	14.8
Outdoor Fan	No of Fans	1	1	1	1	1
	Motor Input (W)	152	152	197	370	370
	Air Flow CFM (m ³ /hr) - Hi	1941 (3300)	1941 (3300)	2470 (4200)	3235 (5500)	3530 (6000)
	Noise Level (dba)	54	54	56	57	57
Coil Type: Grooved Copper Tubes / AL Fins Condenser						
Electrical	Voltage	208/230V - 1Ph - 60Hz				
	Range (min-max)	min 187 - max 253				
	Cooling Pwr. Input Nom. (W)	1300	1960	1945	3960	3960
	Min. Circuit Amps (MCA)	6.2	9.1	11.6	20.0	20.0
	Max Fuse Amps (MOCP)	10	15	20	30	30
Refrigerant Charge R410a (oz./kgs.) 63.4 / 1.8 70.4 / 2.0 105.6 / 3.0 116.2 / 3.3 126.7 / 3.6						
Refrigerant Connections inches (mm)	Type	Cooling: EXV - Heating: EXV Cooling: EXV - Heating: EXV + Piston				
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Suction	5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	
	Max Pipe Height 32 (10) 32 (10) 32 (10) 32 (10) 32 (10)					
Distance Ft.(m)	Length	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
	Height	27 5/8 (702)	27 5/8 (702)	32 (810)	34 3/8 (870)	34 3/8 (870)
Dimensions inches (mm)	Width	36 7/8 (935)	36 7/8 (935)	40 5/8 (1032)	43 3/8 (1100)	43 3/8 (1100)
	Depth	15 1/8 (383)	15 1/8 (383)	17 1/2 (445)	20 7/8 (528)	20 7/8 (528)
	Net Weight	Lbs (kgs)	92.4 (42)	100.1 (45.5)	132 (60)	165 (75)

