

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

SMART INVERTER
ICHE SERIES

208/230V-60Hz

16 SEER Condensing Unit

Cooling Nominal: 18,000~60,000 BTU/h (5.6~17.0 kW)

Product Features

- ✓ 16 SEER in cooling mode.
- ✓ Cooling and Heating System for Applicable Units.
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ R410A Refrigerant.
- ✓ Ideal for Light Commercial 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.

24V Wiring



SEMP 12 SEER
Ducted Fan Coil Unit



SECR 12 SEER
Round-Flow Cassette Unit



SEFC 12 SEER
Floor Ceiling Unit



SEUA 12 SEER
Air Handler Unit



IELP (MP,HP) 16 SEER
Ducted Fan Coil Unit



IECR 16 SEER
Round-Flow Cassette Unit



IEFC 16 SEER
Floor Ceiling Unit



IEUA 16 SEER
Air Handler Unit



Other Brands

24V Wiring



ICHE Series - 16 SEER





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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
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	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)
inches (mm)	Suction	5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)
	Max Pipe	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)
Distance Ft.(m)	Height	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)
	Length	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
Dimensions	Height	27 5/8 (702)	27 5/8 (702)	32 (810)	34 3/8 (870)	34 3/8 (870)
	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)	176 (80)

Notes:

- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V setting.
Cooling: 80/67 ° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
- Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
- Field-installed Thermal Expansion Valve is required.
- Flare fittings are provided for connecting indoor and outdoor units.
- Insulation of both liquid and suction line is required (heat pump model only).
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication OGMNM-0320.



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INVERTER

ISO 14001 ISO 9001



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