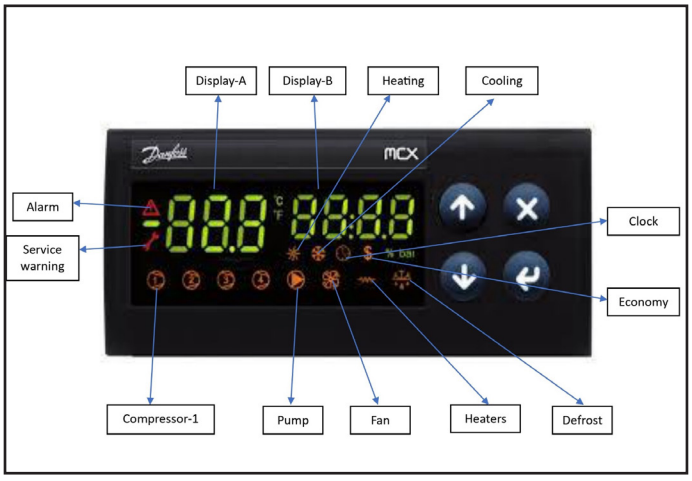
ICHILL – Smart Cooling for Maximum Efficiency

Incorporating latest advances in induction chiller technology, ICHILL range offers unrivalled reliability and application flexibility.

- ICHILL provides fast and easy mobility.
- ICHILL is environment-friendly
- ICHILL is compact
- ICHILL is energy efficient

Product Features

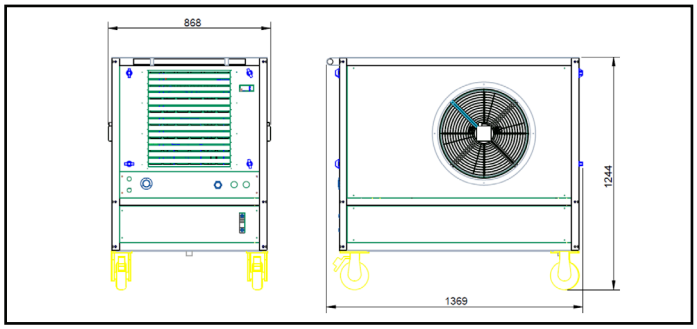
- **Inverter-based chiller**
  ICHILL is an inverter-based chiller
- **VFD-controlled**
  ICHILL is actively VFD (Variable Frequency Drive) -controlled and operates based on actual load making it an energy efficient
- **Micro channel technology**
  ICHILL utilizes micro channel technology and uses 60% less refrigerant gas compared to conventional chillers
- **Compact**
  ICHILL is 56% smaller than conventional chillers
- **Green Chiller**
  ICHILL uses refrigerant which has no Ozone depletion potential



ICHILL is a compact, energy-efficient chiller engineered for induction converters. Featuring Variable Frequency Drive (VFD) control, it adjusts based on actual load, reducing energy consumption. It also uses an eco-friendly refrigerant with zero ozone depletion potential.

Applications

ICHILL is ideal for a wide range of applications such as with: Induction Brazing machines, Induction hardening machines, paint removing, shrink fitting, curing, straightening, cable heating, pre-heating, post heating, bolt heating machines, Medical Equipment, Plastic Injection etc. ICHILL is suitable and greatly compatible with all kinds of Induction Power Source.



Why is it better

- Less floor area (1/4 of the size)
- Improved mobility
- Energy efficient with cooling-based technology via actual load (VFD controlled)
- Plug and play

Specification		ICHILL10	ICHILL12	ICHILL18	ICHILL45
General Data	Refrigerant Gas	R410A	R410A	R410A	R410A
	Nominal ambient air	37 °C	37 °C	37 °C	37 °C
	Cooling Capacity	10 kW at 20 °C	12 kW at 20 °C	18 kW at 20 °C	45 kW at 20 °C
	Minimum ambient air	-10 °C	-10 °C	-10 °C	-10 °C
	Maximum ambient air	40 °C	40 °C	40 °C	40 °C
	Minimum coolant temparature	15 °C	15 °C	15 °C	15 °C
	Maximum coolant temparature	40 °C	40 °C	40 °C	40 °C
	DMain Power supply	380-415V/50-60 Hz	380-415V/50-60 Hz	380-415V/50-60 Hz	380-415V/50-60 Hz
	Total absorbed power (Max) kW	7.3	9.18	12.58	18.52
	Full load current	14 A	18 A	24 A	36 A
	Sound pressure level in 1m Distance	70 dB(A)	70 dB(A)	70 dB(A)	70 dB(A)
Air Condenser	Nominal Air Flow	5400 m³/h	5400 m³/h	9800 m³/h	18000 m³/h
Compressor	Technology	Inverter	Inverter	Inverter	Inverter
	Total absorbed power (Max)	6 kW	7.5 kW	10 kW	15 kW
Pump	Horizontal Submergible pump	0.75 kW	1.1 kW	1.5 kW	1.5 kW
	Nominal flow rate	30 lpm at 6 Bar	50 lpm at 6 Bar	60 lpm at 6 Bar	60 lpm at 6 Bar
	Nominal pressure rate	6 Bar	6 Bar	6 Bar	6 Bar
Liquid Tank	Volume	120 l	120 l	145 l	180 l
Physical Scale	Length	1050 mm	1050 mm	1100 mm	1780 mm
	Width	700 mm	700 mm	800 mm	980 mm
	Height	1080 mm	1080 mm	1000 mm	1150 mm
	Volumetric Weight	160 Kg	160 Kg	176 Kg	402 Kg

Effee Induction Pvt. Ltd. (India)
#48, ABB road, 2nd Phase, Narayanapura, Peenya,
Bengaluru, Karnataka 560058

sales@effee-induction.com
+91 9739910102 / 6

Effee Induction AS (Norway)
Borgundvegen 340 6008 Ålesund, Norway