



iTech MASTERTECH-W

Water-cooled chiller | 100 – 1900 kW

Higher COP with a water-cooled condenser – suitable for indoor installation



The MASTERTECH-W operates with a water-cooled condenser, resulting in a COP of 4.5–6.0. Suitable for indoor installation, combined with an external cooling tower. Part-winding compressor start for low starting current.



Technical specifications

Parameter	Value
Cooling capacity	100 – 1900 kW
Compressor	Semi-hermetic screw
Capacity control	25% / 50% / 75% / 100%
Compressor start	Part-winding
Refrigerant	R-410A or R-454B
Refrigerant circuits	Dual compressors, dual refrigerant circuits
Evaporator	Shell-and-tube
Installation	Indoor
Protections	Pressure, phase, flow, temperature

Key benefits

- COP 4.5–6.0: lower energy costs
- Indoor: protected, low noise
- High capacity in a small footprint
- Part-winding start: low starting current
- Complete protection system

Typical applications

- Central systems + cooling tower
- Indoor plant room
- Data centre, hospital
- Cascade systems

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Request a personalised quotation and a cooling demand assessment!