



iTech INVERTECH | Inverter compressor chiller

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Inverter compressor chiller | 17 – 465 kW

Maximum energy efficiency – 30–40% savings with inverter drive



The INVERTECH works with variable-frequency scroll compressors whose speed adjusts to the actual cooling demand. At part load they run more slowly, saving significant amounts of energy. The electronic expansion valve and the speed-controlled fan together ensure precise temperature control and low noise levels.



Technical specifications

Parameter	Value
Cooling capacity	17 – 465 kW
Compressor	Variable-frequency scroll (inverter)
Refrigerant	R-410A or R-454B
Fan	Speed-controlled
Expansion valve	Electronic
Condenser	Gold epoxy, oversized surface
Evaporator	Shell-and-tube / plate
Control	PLC touchscreen

Key benefits

- 30–40% energy savings compared with fixed-speed chillers
- Automatic adaptation to the actual cooling demand
- Lower noise levels thanks to the inverter drive
- Precise temperature control: proportional regulation
- Longer compressor life: fewer starting cycles

Typical applications

- Plastics processing
- Metalworking
- Food and beverage production
- Pharmaceutical industry

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Request a personalised quotation and a cooling demand assessment!