

GREEN+EFFICIENT TRANSCRITICAL BOOSTER SYSTEMS



THE ONYX RANGE

Simple integrated Transcritical Booster Systems for medium temperature (MT) and low temperature (LT) supermarket applications.

- Environmentally-friendly carbon dioxide (CO₂) as sole refrigerant
- Non-toxic and non-flammable
- Reliable and energy-efficient
- Two-stage compression cycle with air-cooled gas cooler
- Sophisticated oil management system
- Heat reclaim can be added for domestic hot water use or space heating
- Compact design
- Easy to install and maintain

	TCB-2/1	TCB-3/2	TCB-4/2	TCB-5/2
Number of compressors – MT/LT	2/1	3/2	4/2	5/2
MT capacity (kW)	75 – 115	126 – 155	150 – 192	187 – 250
LT capacity (kW)	7 – 11	14 – 22	14 – 33	14 – 33
Frequency range (Hz)	30 – 80	30 – 80	30 – 80	30 – 80

* Data shown for the following parameters: T_e = -5°C; T_{gco} = 26°C

* Capacities can be adapted to suit your requirements.

Designed for efficiency

- Frequency inverter fitted on master compressor
- Adiabatic condensing
- Electronic expansion valves
- Speed-controlled condenser fans
- Detailed controls for optimised pressure regulation
- The high thermal properties of CO₂ increase efficiency

FOR MORE INFORMATION

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