



CLADE

COMBI PACK //



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This range is designed to be operated on CO₂ and is offered with heat recovery options to supply store heating or hot water production.

The range features the latest technology, manufactured in the UK and includes a two year parts warranty. The inverter controls compressor speed based on refrigeration demand with EC Fans on the gas cooler meaning further efficiency.

Reach in housing with multiple gas cooler configuration options to offer flexibility depending on noise level requirements.



Duty range is 70-320kW and is offered as a dual temperature solution.



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Key benefits

- Meets a broad range of MT / LT configurations
- Proven to be highly efficient with low energy usage
- Highly efficient through inverter controlled compressors
- Heat recovery option available
- Optional control system
- Integrated and split skid options
- CO₂ leak emergency extract
- Simple to operate, maintainer friendly

Construction

- Single or skid configuration
- Heavy duty welded PFC pack frames
- Reach in weatherproof housing
- 33, 38 or 45dBA noise rated options @ 10M

Design Overview

- Designed to +35°C
- Wide evaporating temperature range from -40°C to +10°C
- Wide evaporating temperature range
- Various compressors available including – Bitzer, Emerson, Bock and Dorin
- Danfoss, RDM or Carel control
- External inverters for lead compressors
- 60 or 52 bar MT suction
- 60 or 30 bar LT suction
- 60 bar liquid

Mechanical options and overview

- Design pressures up-to 60 bar for liquid and suction networks
- Liquid injection feature
- Hot gas bypass feature
- LT de-superheater
- Flash gas interchangers
- Low vibration AV mounts option
- Back up MPV & HPV valves option
- Frame lifting eyes

- Full range of liquid receiver volumes up-to 200 litres
- Integrated suction line accumulators
- Three-way PRV change over valves
- Can be close coupled with a Koxka gas cooler, various options available

Heat Recovery option:

- Space Heating
- Stainless steel plate heat exchanger
- Three-way heat recovery bypass valve and three-way gas cooler bypass valve
- PLC optimizing control

Heat Pump Mode:

- High utilised capacity
- Scavenge Evaporator
- Full and integrated PLC control

Housed dimensions:

- Width: 2,260 mm
- Depth: 1,700 mm
- Height: 2,200 mm

Skid length is dependant on the size of the gas cooler.



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