

200kW Chiller

Cooling only, Heat pump and Low Temperature models



Operating Instructions & Safety Guide



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General Safety

- This equipment should only be used by a competent person who has read and understood these instructions.
- Check condition of equipment before use. If unit is showing any signs of damage contact your supplier immediately.
- Never operate this equipment if you are ill, feeling tired or under the influence of alcohol or drugs.
- Keep all vents and grills clear of obstructions.
- Keep children and animals away from electric powered equipment. Never leave them alone when the unit is in use.
- Make sure equipment is isolated from the power supply and disconnected after use

Electrical Safety

- This unit operates on a 415 volt 125amp hard wired power supply. Recommended fuse or circuit breaker rating at customers supply would be 160amps per phase
- Always inspect power cables for damage before connecting into power supply.
- DO NOT USE IF ANY DAMAGE IS FOUND.
- Ensure cables are installed correctly to prevent hazards. Cables must be fully laid out and not coiled up when in use
- Cables must not be laid in wet or damp areas.
- Do not attempt to move the equipment while operating.

Getting started and operation

Position equipment on level ground.

Position away from any possible flammable materials.

Do not use within any zoned or hazardous areas.

Do not position chiller inside of any building or temporary structure

Keep at least 1 meter of clearance around the chiller and don't restrict the air flow around the chiller

If you require the leaving water temperature to be lower than 7 degrees Celsius then glycol mixture must be used.

Fig 1

Power cable required is 415 volt 125amp 5 core cable. 32mm² cable minimum cable size for 50 meter cable run.



Fig 1

Fig 2 :
Connect the flow and return
pipework below. 3" Bauer

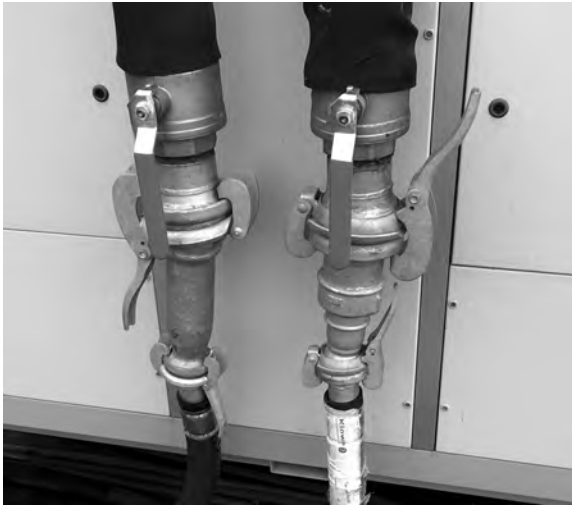


Fig 2 :
Return connection on the
Left with in line strainer.
Flow connection on the right

Fig 3:
Buffer tank to be used to fill the chiller
with water and purge the system of Air



Fig 4 :
When the electrical supply is connected and turned on
then the phase rotation must be checked inside
the electrical panel. Green on light indicates
correct phase rotation.



Fig 4:
If phase rotation is incorrect then
the controller will not light up and
the unit will not work

Fig 5 : Control panel



Fig 5:
Carel 4 button controller
Red switch position 0
Cooling selection
Red switch position 1
Heating selection

Fig 6 :



Fig 6:
Normal running conditions will have
the flow and return temperatures
displayed on the controller and the
condensing fan motors on top of unit
will only run when the unit needs to
remove the heat from the
condensing coils