FMP(G)

Dual discharge industrial air coolers

General information & application

Fincoil FMP air coolers and FMPG liquid circulated air coolers have been designed for cold rooms where a low profile dual discharge air cooler is required. Suitable for a wide range of applications with a special focus on meat storage, agricultural produce and processing rooms. Units are also suitable for cooling engine rooms and monitoring rooms

Refrigerants	all H(C)FC, CO2, brine (G)
Capacities (SC2)	3 up to 73 kW
Air volume	2,520 up to 36,360 m^3/h.

FMPG

Standard configuration

- Finned coil CA
  - Cu tubing ø 12.7 mm
  - Tube pitch 35 x 30.31 mm staggered
  - Corrugated, non-louvered Alu-fins
  - Fin spacings 4, 7 or 12 mm.

- 1-4 Fans, available in a range of different executions. Standard blow-through execution. Fan diameters Ø 450, 500 and 630 mm.
  All motors (exept ø 630 mm) are equipped with bimetallic thermal contacts in the windings, connected to separate terminals in the box. Protection class IP54.

- Fan sizes Ø 450 & 500 available with four fan speed alternatives (700/900/1150/1400 rpm), fans Ø 630 with two fan speeds (900/1400 rpm).

- Casing material is polyesther coated hot dip galvanised steel, colour white NCS 1002-4.

- Enclosed end covers.

- Double drip trays, easy to open and remove.

- Refrigerant distribution optimised to refrigerant applied.

- Sufficient room for fitting the expansion valve inside.

- Suitable for direct expansion or pumped system.
  - DX standard for CA models

- Stickers indicate refrigerant in/out.

- A manual including installation and service instructions is shipped with each unit

Design pressure

Design pressure 26 barg, higher design pressures on request. Each heat exchanger is leak tested with dry air. Design pressure for brine coolers is 6 barg.

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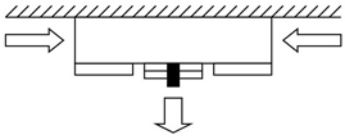
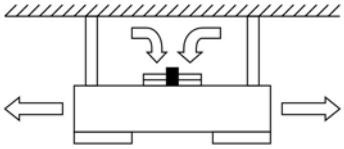
1-847-683-7720
www.bid-on-equipment.com

Options

- Defrost systems
  - Electric defrost in coil and tray (SS)
  - Electric defrost in tray only (SSA)
  - Hot gas defrost in coil, electric defrost in tray (KK-SSA)
- Stainless steel casing (RSt)
- Epoxy coated fins (Ep)
  Fin spacing 4 mm only
- Fans' safety switches mounted besides fans (Q)
- Fans wired to the junction box at the cooler end (W)
- Pumped circulation refrigerant system (Pc)
- Alternative air direction: air suction through the coil block (A)



- Top mounted blow-through fans (Y)
  Minimum 300 mm ceiling distance.



Air cooler selection & dimensions

Air cooler selection is to be performed with "FincoilSelect" Air Heat Exchanger selection software. Selection output includes all relevant technical data and dimensional drawings.

Please contact our sales organisation for full technical documentation.

Code description

FMPCA(G)E–213–7–3–450–1400–3/400/50–6b (8R1)-Options

- G: Tube connection size
- G: Tube connection (DN-flange, R=outer thread)
- G: No. of circuits
- Marking of circuits
- Power supply
- Fan speed ((700/900/1150/1400 rpm)
- Fan diameter (450, 500 or 630 mm)
- No. of fans
- Fin spacing
- Coil size
- Special model
- Liquid circulated execution
- Coil block CuAl
- Dual discharge air cooler FMP range

Benefits

- Low air velocities for use in processing rooms.
- Heavy duty coil & casing materials, resulting in a long operational product life.
- Reliable performance, Eurovent certified.
- Easy-install.
- Energy efficient. Low total cost of ownership.
- Hygienic construction, easily cleanable
- A manual including installation and service instructions is shipped with each unit
- Advanced product selection software available.
- One full year product guarantee.

AHE Selection
FincoilSelect

Alfa Laval reserves the right to change specification without prior notification.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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Bid on Equipment
1-847-683-7720
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