



AHB(G)

Industrial air coolers FeZn

General information & application

Fincoil AHB are efficient and reliable air coolers suitable for cold and subzero rooms in refrigeration plants. Air coolers AHB have been designed for pumped system ammonia, but are also suitable for all other refrigerants that do not corrode steel. Air coolers AHBG have been designed for liquid circulation.

Refrigerants	Ammonia R-717, all H(C)FC, brine, CO ₂
Capacities (SC2)	1.8 up to 189 kW
Air volume	2,160 up to 88,560 m ³ /h.

Standard configuration

- Finned coil hot dip galvanised steel A1
 - Steel tubes \varnothing 20 mm
 - Tube pitch 57.74 x 50 mm staggered
 - Fin spacings 8, 10, 12 or 15 mm.
- 1-5 fans with low sound pressure level and four fan speed alternatives. Standard draw-through execution. Fan diameters \varnothing 350, 450, 500, 560, 630 and 710 mm. Standard power supply 400/50/3. Motors are equipped with bimetallic thermal contacts in the windings, connected to separate terminals in the box (note: fans \varnothing 350 mm without thermal protectors). Protection class IP54.
- Fan sizes \varnothing 450, 500 and 560 mm available with four fan speed alternatives (700/900/1150/1400 rpm), fans \varnothing 350, 630 and 710 mm with two fan speeds (900/1400 rpm).
- Casing material is hot dip galvanised steel.
- Fully insulated hinged double drip tray.
- Equipment for both ceiling and floor mounting is standard for all models.



AHB

- Optimised circuiting design. Standard circuiting AHB is for R-717 pumped circulation.
- Refrigerant connections on the right side, as seen from the coil side.
- Stickers indicate refrigerant in/out.
- A manual including installation and service instructions is shipped with each unit

Design pressure

Design pressure 24 barg, higher design pressures on request. Each heat exchanger is leak tested with dry air. Design pressure for brine coolers is 16 barg.

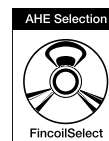
Options

- Defrost systems
 - Electric defrost in coil and tray (SS)
 - Electric defrost in coil and tray for cold rooms approx. 0°C (SS0)
 - Electric defrost in tray only (SSA)
 - Hot gas defrost in coil and tray (KK)
 - Water defrost (VS)
- Fan ring heaters (SP)
- Direct expansion refrigerant system (Dx)
- Stainless steel casing (RSt)
- Enclosed end covers (PP)
- Air sock flanges (check ext. fan pressure!)
 - rectangular (F)
 - round (Ft)
- Alternative fin spacings
 - 4.5, 6 or 18 mm
 - Dual fin spacings
- Safety switches mounted besides fans (Q)
- Alternative power supply (230/50/3, 440/60/3)

- Blow-through fans (P)
Not available for AHB-1.
- Special fans with elevated external pressure.

Air cooler selection & dimensions

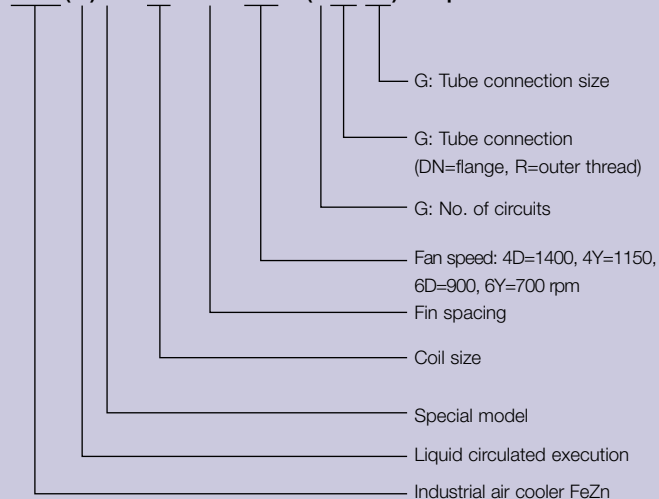
Air cooler selection is to be performed with "FincoilSelect" Air Heat Exchanger selection software. Selection output includes all relevant technical data and dimensional drawings.



Please contact our sales organisation for full technical documentation.

Code description

AHB(G)E - 12 - 8 - 4D - (6DN20) - Options



Benefits

- Low air velocities for use in processing rooms.
- Heavy duty coil & casing materials, resulting in a long operational product life.
- Reliable performance.
- Easy-install.
- Energy efficient. Low total cost of ownership.
- Standard fully insulated, easily cleanable hinged drip tray.
- Advanced product selection software available.
- One full year product guarantee.

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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

