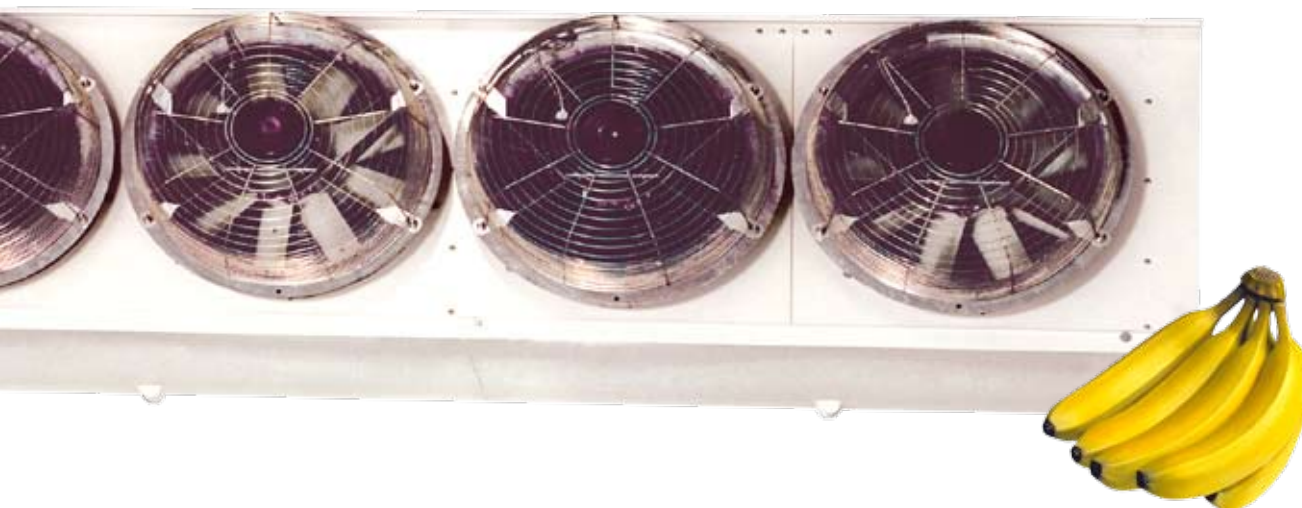
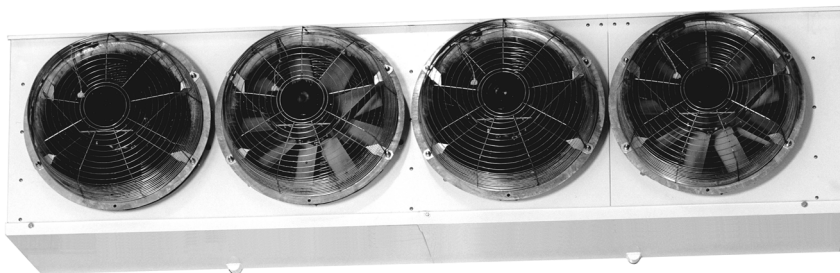




Banana ripening coolers HRC

Designed for Tarp-system banana ripening rooms





TARP-system ripening cell

General

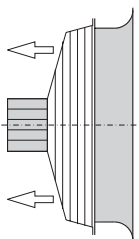
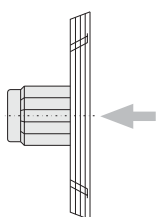
Banana ripening coolers HRC have been designed for application in TARP system banana ripening cells. The HRC range comprises 4 different cooler models for 8 to 28 pallets ripening rooms.

The coolers have been optimised for 14,0 °C air-on temperature and 13,0 °C air-off temperature at an evaporating temperature of 7 °C. HRC air coolers provide for an even temperature distribution throughout the whole ripening cell, guaranteeing that the products are ripened as evenly as possible.

Capacity range 12.0 to 29.0 kW (R404A).
Suitable for all halogen refrigerants or glycol.

Product Configuration

- Finned coil
 - Cu tubing \varnothing 5/8"
 - Tube pitch 50 x 50 mm square
 - Corrugated Alu-fins
- Coil blocks are pressure tested at 25 bar with dry air.
- Fitted with draw-through fans.
 - HRC 08/12: plate fan 550 W, 230/400/50/3
 - HRC 18/24: short case fan 1500 W, 400/690/50/3
- Corrosion resistant casing material: Aluminium/Sendzimir, white epoxy coated (RAL 9003).
- Hinged drip tray
- Fitted with schrader valve on the suction connection for testing purposes.
- Sufficient room for fitting the expansion valve inside.
- Stickers indicate fan direction and refrigerant in/out.
- Delivery in mounting position. Coolers are mounted on wooden beams. Installation can take place with use of a forklift.
- Pumped circulation or glycol on request..



Fans

The fans are fitted with balanced aluminium or polyamide fan blades. Plate fans are fitted with robust electrolytically galvanized and epoxy coated fan guards according to DIN 31001 and are mounted in vibration dampers. Short case fans are fitted with stainless steel fan guards.

Enclosed design spray-tight motors, protection class IP-55. Motors suitable for **230/400/50/3** or **400/690/50/3** current.

Note: motor windings suitable for the bold printed electrical supply.

All motors are equipped with a thermal safety device built in the windings, connected to separate terminals in the box. This safety device can therefore be integrated into the control circuit.

The electrical control should be arranged preferably with a manual reset device in order to prevent continuous on/off switching (tripping) of the motors.

Cable inlet ranges from 7 up to 12 mm.

Electrical Heater Elements

On request HRC air coolers can be fitted with electrical heater elements for rapid bringing to temperature of the products inside the ripening room. If selected, the coolers are fitted with 3 kW heater elements, either 230/50/1 or 400/50/1.

Pressure Equipment Directive (PED)

All Helpman products to which the PED applies, are fitted with CE-marking. This CE-marking is your guarantee that the product fully conforms to all present regulations.

Two Year Full Guarantee

Helpman only use high grade materials for all coolers and condensers, thus ensuring a remarkably long life. Helpman can therefore offer a full two year guarantee on all equipment.

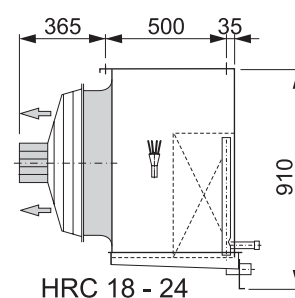
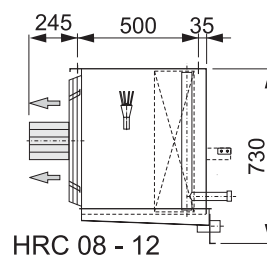
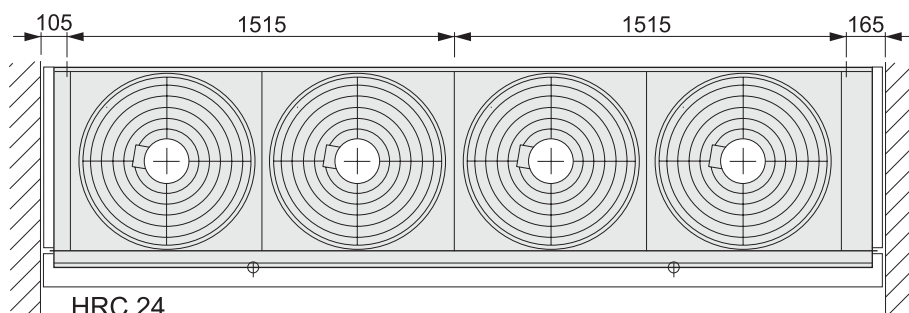
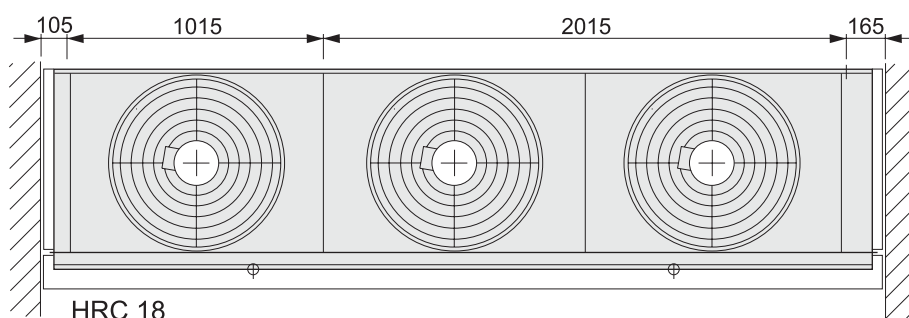
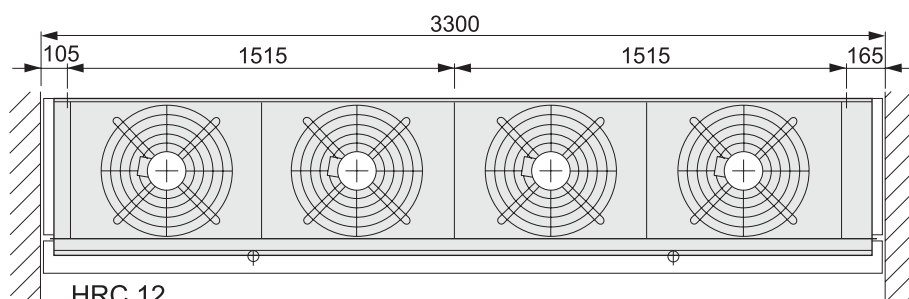
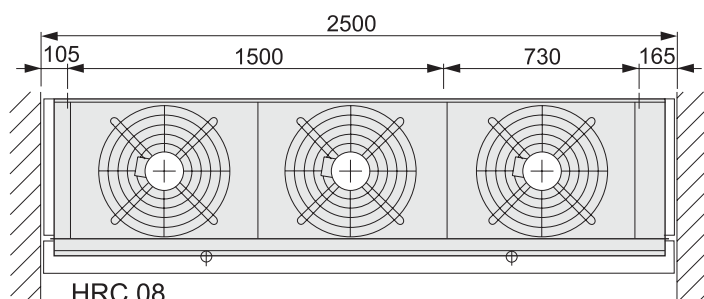
Banana Ripening Coolers

HRC

Technical Data

Type	Nr. of pallets	Cell width mm	Cap. R-404A kW	Air volume at 100 Pa m ³ /h	Air volume at 150 Pa m ³ /h	Surface m ²	Int. vol. dm ³	Weight kg	Fans (50 Hz, 1500 tpm)			
									Nr.	Diam. mm	Nom. capacity kW	T.O.R.* A
HRC 08	8 - 10	2500	12	18000	15750	58	18	150	3	508	0.55	1.7
HRC 12	10 - 16	3300	16	24000	21000	77	25	220	4	508	0.55	1.7
HRC 18	16 - 22	3300	22	37000	32000	127	36	280	3	560	1.50	3.7
HRC 24	22 - 28	3300	29	46000	42000	216	36	310	4	560	1.50	3.7

*T.O.R. = Adjustment value for Thermal Overload Relay



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

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

Helpman products

Helpman, a well respected air heat exchanger manufacturer, was acquired by Alfa Laval in 2007. The Helpman brand will remain as a strong product name.

Information about Alfa Laval Helpman products is available on the website www.helpman.com.

