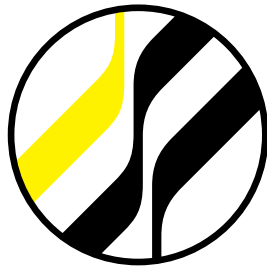


Kelvion



SEARLE LF FLATBED DRY COOLER



LF Fan data



Fan type & Pole	Diameter	Module	Speed (rpm)		FLC (Amp)		SC (Amp)	
			Δ	Y	Δ	Y	Δ	Y
0806 N6 Pole	800mm	A,B,C,D	920	730	4.2	2.3	14.0	4.0
0808 N8 Pole		A,B,C,D	650	480	2.3	1.1	11.0	4.0
091 H6 Pole	900mm	A,B,C,D	910	710	5.5	3.5	28.0	10.0
091 N6 Pole	910mm	A,B,C,D	905	640	5.7	3.3	19.0	6.2
091 N12 Pole		A,B,C,D	440	340	0.85	0.4	2.0	1.0
091 E - EC Technology		A,B,C,D	865-115	-	3.5	-	4.9	-
091 P - EC Technology		A,B,C,D	930-90	-	3.2	-	4.2	-
091 M - EC Technology		A,B,C,D	940-100	-	3.0	-	4.2	-

AxiTop and ZApplus are available options.

Nomenclature

L F - P A 2 04 T 2 H - 080 N 06 D

Product series:

L = Dry cooler

Unit form:

F = Flatbed

Module width:

M = Narrow, N = Medium, P = Wide

Module length:

A = 1200mm, B = 1500mm, C = 1800mm,
D = 2100mm

Fan rows:

1 or 2

Fans per row:

1 - 10

Fin type:

L = 3/8" (9.5mm) tube, T = 12mm tube

Coil rows:

2, 3, 4

Orientation:

H = Horizontal, V = Vertical

Fan Diameter:

080 = 800mm, 090 = 900mm, 091 = 910mm

Fan type:

N = AC Normal, E = ebm EC, H = AC High power, P = Ziehl EC, M = EC Higher power ebm

Speed options:

6, 8, 12, EC

Motor wiring:

Delta, Star

Capacities: 21 kW - 1290 kW

CASEWORK

Through innovative design Kelvion successfully managed to reduce the number of components within the unit, maximising strength, easy assembly and creating a fully weather-proofed unit suitable for a wide variety of applications. The improved casework design has also contributed in reducing the total energy required to manufacture.

Each side plate is cold formed from a single piece of pre-galvanised sheet steel and powder coated RAL7032 (Pebble Grey) on the outside with an Interlock construction creating an 'I' frame structure. This special form, which can be manufactured up to 12m long, gives tremendous strength and forms an integral part of the heat exchanger support structure.

FANS

Kelvion offer three phase AC or EC axial fans for use as standard. The fan sets have been optimised for the range of module options, with the latest innovations such as AxiTop, ZA Plus and Flow grid all available through our selection program.

- 6, 8, 12 and EC pole 3 phase
- 800mm, 900mm and 910mm diameter fan set options
- 1 to 20 fans
- Motor rating: IP54
- Rated Frequency: 50/60 Hz
- All fan sets are ErP2015 compliant
- Guard: Metal Wire (Black)
- Temperature Range: -30°C to +80°C (+50 for star or 230V)
- Temperature Range: -40°C to +70°C (+60 for 60Hz)

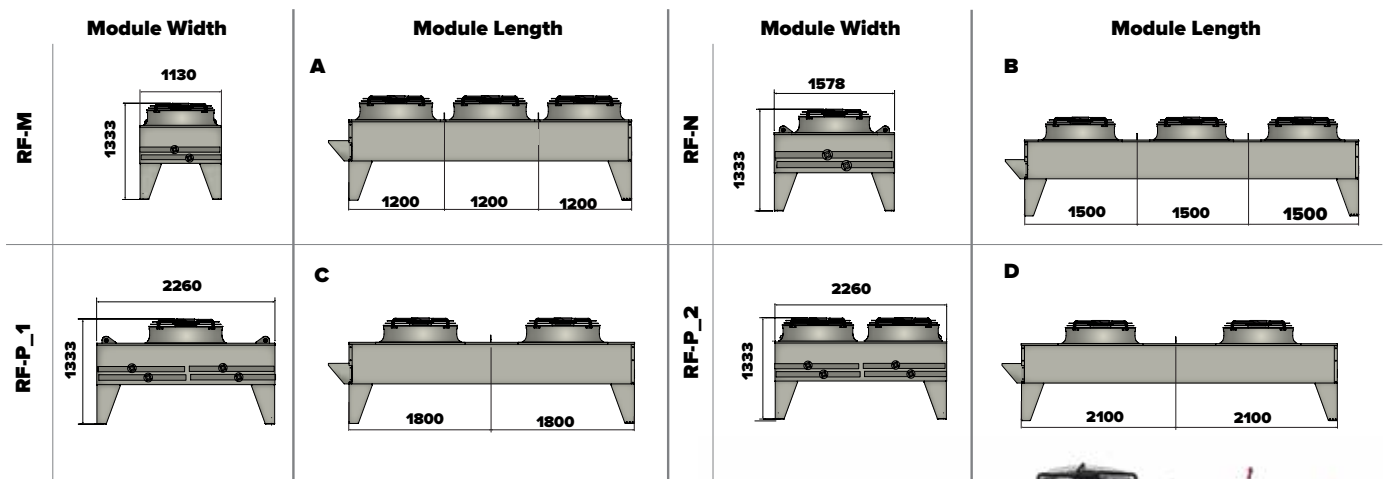
Coil

The LF range utilises 2 configurations for most applications the standard EL (12FPI) incorporates $\frac{3}{8}$ " (9.5mm) tube diameter and the T-Fin (11FPI) incorporates 12mm tube. The coil is fully supported, through its length and depth, by tube sheets and internal fan baffles secured to the continuous one piece side plates creating an 'H' frame construction for strength. Positioning the tube equilaterally it achieves a good balance of reduced refrigerant charge whilst maintaining appropriate thermal load to achieve good system stability.

OPTIONS

- **Legs Extended** - 250mm, 500mm (Standard), 750mm, 1000mm
- **Isolators** - Fan Mounted isolators
- **Sub cooling/Multi sections** - 7K at 15K ΔT , 5K at 15K ΔT
- **Packing** - Open crate, Closed boarded crate, Pallet, Hardboard coil protection
- **Alternative Fin Material** - Epoxy coated Aluminium, Copper, Blygold, Electro-tinned, Aluminium Magnesium
- **Stacking** - Flatbed units can be stacked to reduce costs
- **Special Paint** - Alternative unit colours or C₅M Marine coating
- **Adiabatic System** - Copper or PCC piping
- **Terminal Box** - Terminal box for customer control
- **Control Box** - AC or EC fan motors using pressure or temperature control
- **Mounted Receivers & frames** - Receiver /frame mounting and piping
- **Customised Housing** - housings supplied separately or integrated with the air cooled condenser

MODULE LENGTH



Selection and pricing can be performed on the Kelvion **Searle Selection software which can be downloaded from our website www.kelvion.com**