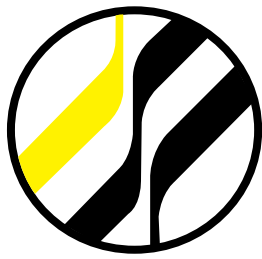


Kelvion



SEARLE NF AMMONIA FLATBED CONDENSER



NF 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	670	550	2.5	1.3	6.2	2.2
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	11.0
091 N12 Pole		A,B,C,D	440	340	0.85	0.4	2.0	1.5
091 E - EC Technology		A,B,C,D	865-115					
091 P - EC Technology		A,B,C,D	930-90					

Nomenclature

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

- Product series:** N = NH3 St/St tubes, R = Refrigerant
- 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 Woods, E = ebm EC, H = AC High power, P = Ziehl EC
- Speed options:** 6, 8, 12, EC
- Motor wiring:** Delta, Star

Capacities

11 kW - 1130 kW

COIL

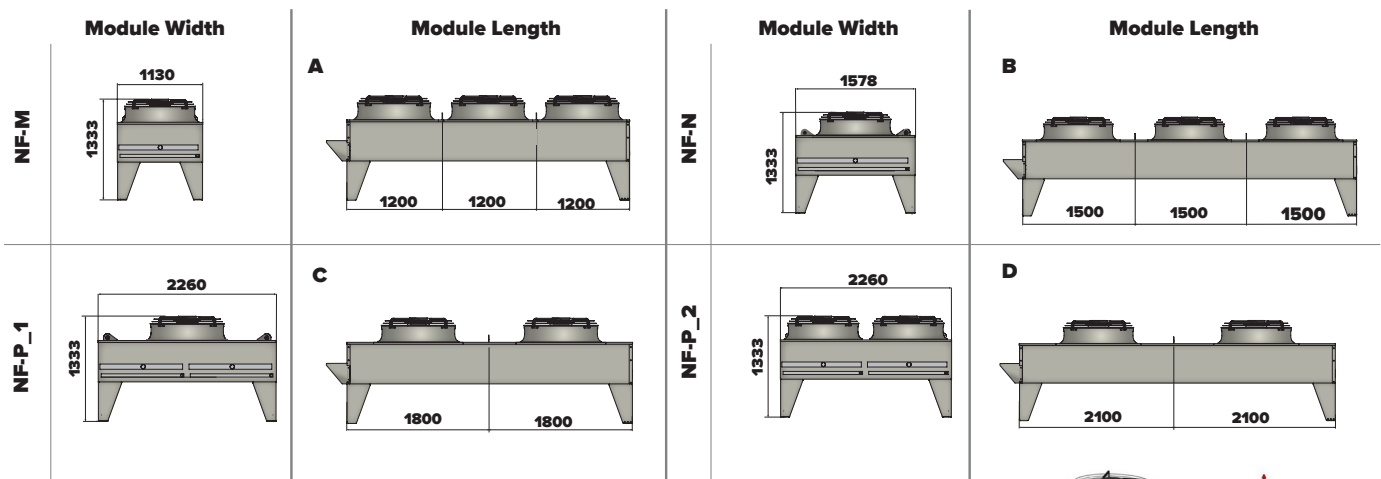
The NF range utilises the T-Fin tube configuration for most applications. The T-Fin (11FPI) incorporates 12mm stainless steel tube on an equilateral spacing to achieve optimal heat exchanger efficiency for this tube diameter. The coil is fully supported through its length and depth, by tube sheets and internal fan baffles secured to the continuous one piece side plates. The coil tubes are also supported on Aluminium or Copper centre plates secured to the tube sheets and fan baffles creating an 'H' frame construction for strength.

CASEWORK

The casework is designed to maximise strength whilst reducing the number of components. 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. The case work is fully weather-proofed suitable for a wide variety of application.

Selection and pricing can be performed on the **Searle Selection software which can be downloaded from our website www.searle.co.uk**

MODULE LENGTH



FANS AND CONTROLS

Searle offer either AC or EC fans supplied by either EBM Papst, Ziehl-Abegg or Fläkt Woods with options of 800mm, 900mm and 910mm diameter and 6, 8,12 pole.

Controls - Basic options on these ranges are:

- Unwired – Installer wires directly to fan terminal boxes.
- Junction Box – Single or twin according to unit model
- Staged Control – motor switchgear with or without controller.
- Speed Control – EC, inverter or triac.
- inverter - Controls for AC

All the above options are available with fan mounted isolators.

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
- **Stacking** - Flatbed units can be stacked to reduce costs
- **Alternative Fin Material** - ST/AL , ST/AV, ST/BG, ST/AM, ST/MB, ST/CU, ST/ET
- **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

