

DRY COOLER | LF-NC102T4H-091R700

BASIC DATA					
Capacity [kW]	67.63	Fluid inlet [°C]	42.0	Rel. humidity [%]	35.3
Volume flow rate [m³/h]	15.27	Fluid outlet [°C]	38.0	Coils x Sections x Circuits	1 x 1 x 32
Fluid	Ethylene Glycol 25.0 % vol	Pressure drop [kPa]	60	Passes (per coil)	6
		Ambient [°C]	35.0	Operation mode	EC

AIR DATA	
Air volume flow	40,896 m³/h
Fans in stand-by	-
Ext. static pressure	0 Pa
Altitude	0 m
Air outlet temp.	40.2 °C
Coil direction	Horizontal
Air direction	Vertical

HEAT EXCHANGER	
Surface	508 m²
Fin spacing	2.3 mm (11 FPI)
Internal volume	82.8 dm³
Int. fluid velocity	1.2 m/s
Max. operating pressure ⁽¹⁾	10 bar

MATERIALS	
Tubes	Copper
Fins	AlMg
Casing	
Finish	
Corrosion class	-

FAN(S)

2 PIECE(S) : 400V/3PH/50-60HZ; IP55	
Fan diameter	910 mm
Range of temp.	-40.0 to 60.0 °C
Mean sound power LwA ⁽²⁾	77 dB(A)
Mean sound pressure LpA (10m) ⁽²⁾	45 dB(A)
Horizontal sound pressure LpA (10m)	43 dB(A)

SOUND POWER SPECTRUM	
Sound power spectrum 125 Hz	74 dB
Sound power spectrum 250 Hz	74 dB
Sound power spectrum 500 Hz	74 dB
Sound power spectrum 1 kHz	75 dB
Sound power spectrum 2 kHz	67 dB
Sound power spectrum 4 kHz	62 dB
Sound power spectrum 8 kHz	55 dB

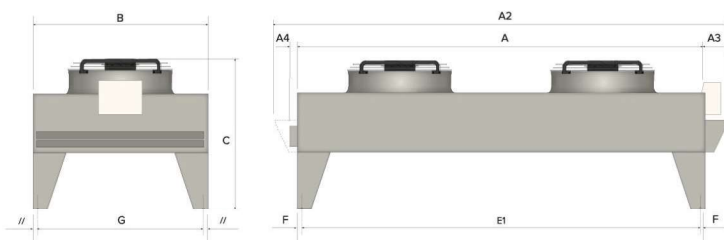
FAN SET SERIAL PLATE DATA (PER FAN) ⁽³⁾	
Speed	970 rpm
Power nominal	2,700 W
Starting current	5.7 A
Full load current	4.1 A
SELECTED SPEED DATA (PER FAN) ⁽³⁾	
Speed	700 rpm
Power input	960 W
Operating current	2.3 A
Control voltage EC	6.6 V

CONNECTIONS	
Connections in/out	2 x 50 mm
Ends	Same ends
Type	Flange

WEIGHT	
Dry weight	652 kg
Weight incl. fluid	738 kg

REGULATION(S)	
ErP	2015
Energy efficiency class (2015)	C
PED Category	0

DIMENSIONS (4)



A 3,603 mm

A3 195 mm

F 40 mm

B 1,578 mm

A4 70 mm

C 1,333 mm

G 1,492 mm

A2 3,993 mm

E1 3,523 mm

OPTIONS AND ACCESSORIES

CATEGORY		OPTIONS AND ACCESSORIES	ITEM	ITEM NO.
Coil	014.4	Corrosion protection	Fins blygold coated	
Coil	016.6	Connections	2 x Flanges, 50 mm	
Fan(s)	371.3	Wiring	Fans wired on one central junction box	
Fan(s)	375.1	Isolator	Isolator fan mounted	
Casing	055.6	Legs	Legs 4 x 750 mm, squared	
Packing	500.9	Packing material	Unpacked	

Subject to modifications.

We cannot take any longer the responsibility for delay in delivery due to shortage in raw material or sub supplies. As a consequence thereof the mentioned delivery dates only have an indicative character.

Any data or other information in this selection software shall be deemed to be a general description of product properties and shall not be binding upon Kelvion. Binding product specifications may be agreed by Kelvion in bids, proposals, tenders or other offers issued in response to inquiries or calls for tenders or other invitations to bid.

Notes

(1) Classification acc. to EU Pressure Equipment Directive: Category "0" when fluid group "2" at max. allowable pressure of PS = 10 bar.

(2) Figures derived according to EN 13487. Sound pressure level given is mean value free field over reflective plain. Tolerances: ± 2 dB (global) / ± 5 dB (octave band). These values can be affected by the site environment.

(3) The current consumption can vary depending on air density and mains voltage.

(4) Weights and dimensions do not apply to all possible variants.

(5) If frequency converters are used for speed control, please take into account the guidelines of the fan-set manufacturer.

(6) The use of low speed fans in combination with phase control can cause humming noise.

(7) Kelvion will define the production site depending e.g. on type series, execution and location.

KELVION CODE: LF-NC102T4H-091R700-5AA559D1-101D

You can return to your current configuration with the following link:

<https://selectrt.kelvion.com/code/lf-nc102t4h-091r700-5aa559d1-101d>

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