

CONDENSER | RF-SJ103L2H-063L059

BASIC DATA			
Capacity [kW]	38.07	Condensing temp. [°C] (Mid point)	43.0
Ambient [°C]	32.0	Eff. condensing temp. at 42.30 kW [°C]	46.6
Rel. humidity [%]	41	Hot gas tsup [°C]	73.0
		Refrigerant	R407F
		Coils x Sections x Circuits	1 x 1 x 16
		Operation mode	EC

AIR DATA	
Air volume flow	14,256 m³/h
Fans in stand-by	-
Ext. static pressure	0 Pa
Altitude	0 m
Air outlet temp.	40.4 °C
Coil direction	Horizontal
Air direction	Vertical

HEAT EXCHANGER	
Surface	93.4 m²
Pressure drop	6 kPa
Pressure drop equivalent temp. diff.	0.0 K
Fin spacing	2.1 mm (12 FPI)
Internal volume	17.4 dm³
Subcooling	2.1 K
Max. operating pressure ⁽¹⁾	32 bar

MATERIALS	
Tubes	Copper
Fins	Epoxy coated
Casing	
Finish	
Corrosion class	-

FAN(S)

3 PIECE(S) : 230V/1PH/50-60HZ; IP54	
Fan diameter	630 mm
Range of temp.	-25.0 to 60.0 °C
Sound power LwA ⁽²⁾	65 dB(A)
Sound pressure LpA (10m) ⁽²⁾	33 dB(A)

SOUND POWER SPECTRUM	
Sound power spectrum 125 Hz	67 dB
Sound power spectrum 250 Hz	67 dB
Sound power spectrum 500 Hz	61 dB
Sound power spectrum 1 kHz	60 dB
Sound power spectrum 2 kHz	56 dB
Sound power spectrum 4 kHz	50 dB
Sound power spectrum 8 kHz	42 dB

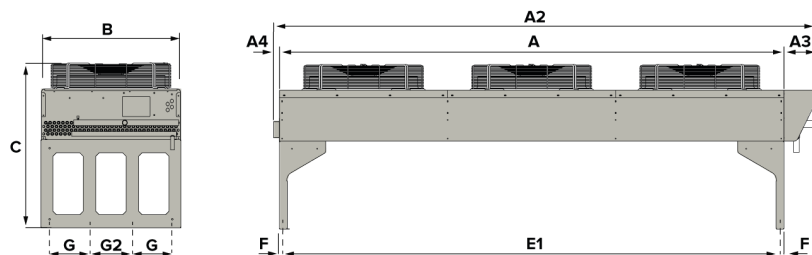
FAN SET SERIAL PLATE DATA (PER FAN) ⁽³⁾	
Speed	750 rpm
Power input	210 W
Starting current	1.7 A
Full load current	1.2 A
SELECTED SPEED DATA (PER FAN) ⁽³⁾	
Speed	590 rpm
Power input	97 W
Operating current	0.8 A
Control voltage EC	7.8 V

CONNECTIONS	
Condenser inlet	1 x 1-5/8 in
Condenser outlet	1 x 1-3/8 in
Condenser ends	Same ends

WEIGHT	
Dry weight	108 kg
Refr. charge	5 kg

REGULATION(S)	
ErP	2015
Energy efficiency class (2015)	A
PED Category	1 (Piping)

DIMENSIONS ⁽⁴⁾



A 3002 mm

A3 195 mm

E₁ 2957 mm

B 834 mm

A4 35 mm

F 23 mm

C 972 mm

G 245 mm

A2 3232 mm

G2 248 mm

OPTIONS AND ACCESSORIES

Category		Options and Accessories	Item	Item no.
Fan(s)	371.3	Wiring	Fans wired on one central junction box	
Fan(s)	375.1	Isolator	Isolator fan mounted	

Binding offers may be agreed by Kelvion in bids, tenders or other offers issued in response to inquiries or calls for tenders or other invitations to bids. The certified performances and conditions in this software are in line with performances and conditions published on EUROVENT website. Those performances can be verified in www.eurovent-certification.com

Notes

- (1) Classification acc. to EU Pressure Equipment Directive: Category "1" when fluid group "2" at max. allowable pressure of PS = 32 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: RF-SJ103L2H-063L059-B66B935B-EE9C

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

<https://selectrt.kelvion.com/code/rf-sj103l2h-063l059-b66b935b-ee9c>

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