

# AIR COOLER DIRECT EXPANSION | MCC-302-SBE-HX32

Item no.: 100742480

BASIC DATA			
Capacity [kW]	2,87	Sensible heat ratio (SHR) [-]	0,72
Air inlet temp. [°C]	0,0	Refrigerant	R404A
Rel. humidity [%]	85,0	Air outlet temp. [°C]	-2,7
		Evaporation temp. [°C] (Dew point)	-8,0
		Operation mode	AC

AIR DATA	
Air volume flow	2.140 m³/h
Ext. static pressure	0 Pa
Air throw	11 m
Altitude	0 m
Air outlet rel. humidity	92,7 %

HEAT EXCHANGER	
Surface	9,2 m²
Fin spacing	7 mm
Internal volume	2,7 dm³
Liquid temp.	22 °C
Superheating temp.	-2,8 °C
Max. operating pressure	32 bar

MATERIALS	
Tubes	Copper
Fins	Alu
End plates	Alu
Casing	Alu, galvanised steel
Finish	powder coated, white (RAL 9010)

## FAN(S)

2 PIECE(S): 230V/1PH/50HZ; IP44	
Fan diameter	300 mm
Range of temp.	-30,0 to 60,0 °C
Sound power LwA	71 dB(A)
Sound pressure LpA (3m) <sup>(2)</sup>	50 dB(A)
Optional controller, on site <sup>(5)</sup>	Transformer, Frequency converter
ErP	2015

SELECTED SPEED DATA (PER FAN) <sup>(3)</sup>	
Operation mode <sup>(8)</sup>	AC - S1
Speed	1350 rpm
Power input	75 W
Operating current	0,3 A
Energy efficiency class	D

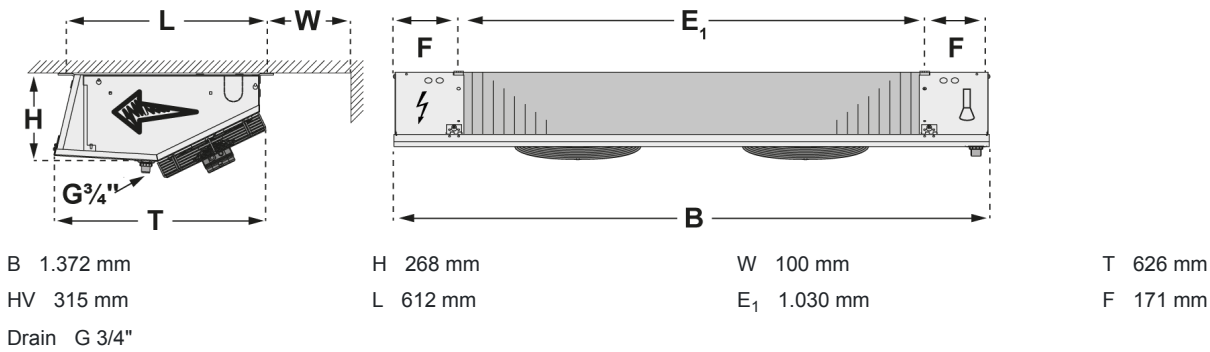
FAN SET SERIAL PLATE DATA (PER FAN)	
Operation mode	AC
Speed	1350 rpm
Power nominal	70 W
Current draw	0,3 A
Protector	Built in protector, connected internal

CONNECTIONS <sup>(7)</sup>	
Inlet	Cu 10 mm
Outlet	Cu 18 mm
Refrigerant distribution	No distributor

WEIGHT <sup>(4)</sup>	
Dry weight	33 kg
Weight incl. packing	55 kg

DEFROST	
Electric defrost	
Coil	1,76 kW
Drip tray	kW
Total	1,76 kW

## DIMENSIONS (4)



Packing dimensions (height x length x width): 495 x 1.410 x 735 mm

## OPTIONS AND ACCESSORIES (EXCL. VAT)

CATEGORY	OPTION GROUP	ITEM	ITEM NO.
Coil	010.9	Tube type	Tubes copper, max. operating pressure 32 bar
Coil	011.1	Fin type	Fins alu
Fan(s)	071.3	AC fans	AC, 230 V - 1 Ph - 50/60 Hz
Fan(s)	371.3	Wiring	Fans wired to one central junction box
Defrost	031.4	Electric defrost	Electric defrost in coil (heavy)
Casing	053.2	Drip tray	Drip tray hinged

Subject to modifications.

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 Pressure Equipment Directive (PED): Category "0" for fluid group "2" at max. allowable pressure of PS = 32 bar.
- (2) Sound pressure LpA is based on the complete unit according to EN13487 ± 2 dB(A).
- (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 follow the guidelines of the fan-set manufacturers.
- (6) Kelvion will define the production site depending e.g. on type series, execution and location.
- (7) The connection sizes are subject to potential change due to production requirements.
- (8) S1 max. fan speed. S2 to S4 reduced fan speed (AC, EC fixed speed wiring option / EC adjustable with potentiometer or controller, available as option).

Version: 26.0114.1039 (1.1.7.0 (Hecs))

**KELVION CODE: MCC-302-SBE-HX32-A91561A7-338E**

You can return to your current configuration with the following link. Differences can occur due to ongoing development. Please check the final configuration and selected options. <https://selectrt.kelvion.com/code/mcc-302-sbe-hx32-a91561a7-338e>

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