

Technical Specification

CCBEL404BS AL 7.0 CU - PC/E/CR



APPLICATION Direct Expansion	PRODUCT TYPE PHASE OUT - Optigo CCB	CALCULATION DATE 08.12.2025	DUTY MODE RATING
LABEL CCBEL404BS CR PCE AL 7.0 CU	PROJECT/QUOTE 48917168	POSITION REF.CUSTOMER	QTY 1



Thermal Data^{(5), (14), (15)}

Calculated Capacity	14,74 kW	Sensible Heat Ratio	0,72
Condensate	6,0 kg/h	Evaporating Temperature	-8,0 °C
DTM	6,2 Δ°C	Temperature Type	DEW
Ref Temperature Liquid	30,0 °C		

Air Data

Air Temperature ON/OFF	0,0 °C / -3,5 °C	Air Flow	8256 m³/h
Air ON/OFF Relative humidity	85,0 % / 95,0 %	Air Velocity	1,8 m/s
DT1 (AirOnTemp-Evap.Temp.)	8,0 Δ°C	Air Throw	13 m

Fluid

Fluid	R404A
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Fan Data

Fan Type	AC	Number of fans	4
Fan Diameter	400 mm	Rotation Speed	870 rpm
ErP 2015	Yes		

Electrical Fan Data

Power Supply	230V / S / 50 Hz / S	Total Nominal Power	480 W
Min/Max Work. Temp.	-25,0 °C / 60,0 °C	Total Nominal Current ⁽³⁾	2,1 A
Full Load Current	2,5 A		

Sound Level

Sound Power Level	70 dB(A)	Sound Pressure Level ⁽¹⁾	48 dB(A)
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Coil Data

Tube Material	Copper	Fin Material	Aluminium
Fin Spacing	7,0 mm	Connections Size (In-Out)	22 mm - 28 mm
Number Of Circuits	18	Surface	60,3 m²
Internal Volume	18,0 l	Connection Side	Same
Design Pressure	40 bar	Tube Pattern	TRIANGULAR
Test Pressure	57 bar		

Casing&Frame

Casing Material	Powder Coated	Frame Material	Standard
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Dimensions⁽²⁾

LengthXDepthXHeight	2850 mm / 753 mm / 670 mm	Unit Weight	141 kg
Shipping Volume	2 m³		

Electrical Defrost Consumption

No of heater coil	5	No of heater drip tray	1
Coil power consumption	8500 W	Drip tray power consumption	1700 W

Configuration IDs

Coil Configuration	AL/7.0/22mm-28mm/S
Fan Configuration	FA52/S
Options Configuration	PC/E/CR

SUMMARY

DESCRIPTION	Kit Code
Unit	
Fan - AC - 870 rpm - 230V - 50 Hz	
Fin pack - Aluminium	
Casing Material - Powder Coated	
Drip tray	
Coil frame	
Defrost System - Electrical	
Packing - Crate	

NOTES

¹By using EN13487 at 3 m in free field conditions, if distance is not specified differently from user ²Dimensions and weight are not valid for all available options. Drawings are only preliminary, indicative and without accessories. ³Total nominal current at Tair=20°C (68°F). Variation could occur due to different voltage or air temperature. *LU-VE S.p.A. reserves the right to modify and correct at any time, with or without notice, the specifications and prices listed in the software. Options not specified in the "Value Summary" table are not included in the offer. ¹⁴General conditions of sales available on www.luvegroup.com. ¹⁵LU-VE ventilated products comply with European Directives PED 2014/68/EU, LVD 2014/35/EU, EMC 2014/30/EU and are classified as Partly Completed Machinery as per MD 2006/42/EC Annex II.B, therefore not CE marked. Furthermore, ventilated products are not intended for use in potentially explosive atmosphere or with refrigerants not approved by the manufacturer.

Calculation Engines
Item ID

AirThinker - 1.0.7.156 HSP - 0.1.1.31.p
49570596

