

Technical Specification

CCEH503.2BD AL 10.0 CU - PC/FRH/IS/E2/CR



APPLICATION	PRODUCT TYPE	CALCULATION DATE	DUTY MODE
Direct Expansion	PHASE OUT - Optigo CC (500)	08.12.2025	RATING
LABEL	PROJECT/QUOTE	POSITION	REF.CUSTOMER
CCEH503.2BD CR PCE2 AL 10.0 CU FH IS	48917168		
		QTY	
		1	



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

Calculated Capacity	25,58 kW	Sensible Heat Ratio	0,72
Condensate	10,2 kg/h	Evaporating Temperature	-8,0 °C
DTM	6,8 Δ°C	Temperature Type	DEW
Ref Temperature Liquid	30,0 °C		

Air Data

Air Temperature ON/OFF	0,0 °C / -2,5 °C	Air Flow	20757 m³/h
Air ON/OFF Relative humidity	85,0 % / 92,0 %	Air Velocity	3,1 m/s
DT1 (AirOnTemp-Evap.Temp.)	8,0 Δ°C	Air Throw	35 m

Fluid

Fluid	R404A
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Fan Data

Fan Type	AC	Number of fans	3
Fan Diameter	500 mm	Rotation Speed	1390 rpm
ErP 2015	Yes		

Electrical Fan Data

Power Supply	400V / T / 50 Hz / D	Total Nominal Power	2160 W
Min/Max Work. Temp.	-40,0 °C / 80,0 °C	Total Nominal Current ⁽³⁾	4,2 A
Full Load Current	5,1 A		

Sound Level

Sound Power Level	81 dB(A)	Sound Pressure Level ⁽¹⁾	58 dB(A)
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Coil Data

Tube Material	Copper	Fin Material	Aluminium
Fin Spacing	10,0 mm	Connections Size (In-Out)	28mm - 42mm
Number Of Circuits	9	Surface	97,7 m²
Internal Volume	44,4 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	2997 mm / 656 mm / 854 mm	Unit Weight	253 kg
Shipping Volume	3 m³		

Electrical Defrost Consumption

No of heater coil	7	No of heater drip tray	2
Coil power consumption	12670 W	Drip tray power consumption	3620 W

Configuration IDs

Coil Configuration	AL/10.0/28mm-42mm/S
Fan Configuration	FA55/D
Options Configuration	PC/FRH/IS/E2/CR

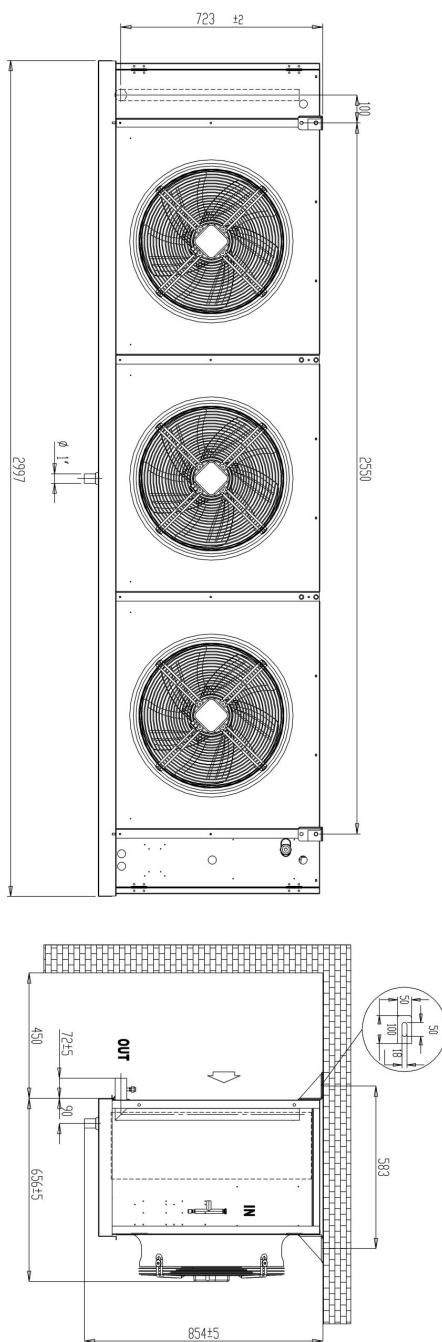
SUMMARY

DESCRIPTION	Kit Code
Unit	
Fan - AC - 1390 rpm - 400V - 50 Hz	
Fin pack - Aluminium	
Casing Material - Powder Coated	
Fan ring heater	
Coil frame	
Insulated Drip Tray - 11 mm Insulation + cladding I2	
Defrost System - Electrical Heavy E2	
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. ⁴LU-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. ⁵General conditions of sales available on www.luvegroup.com. ¹⁴LU-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	AirThinker - 1.0.7.156 HSP - 0.1.1.31.p
Item ID	49570596



REV	DATE					Prepared by	Approved by
01						SSS/SG	me
Alpha		Material Description				Weld	
Scale 1/32		P. 1, 1, 2, 20				Prepared by	
Scale 1/32		P. 1, 1, 2, 20				Approved by	
Scale 1/32		P. 1, 1, 2, 20				DATE	
Scale 1/32		P. 1, 1, 2, 20				Frequency	
Scale 1/32		P. 1, 1, 2, 20				Material / Reference to	
Scale 1/32		P. 1, 1, 2, 20				Notes	
Scale 1/32		P. 1, 1, 2, 20				CC 503	
Scale 1/32		P. 1, 1, 2, 20				IN THE NAME	
Scale 1/32		P. 1, 1, 2, 20				-01	