

Technical Specification

F35MCEA-11-7 AP - E+HD



APPLICATION	PRODUCT TYPE	CALCULATION DATE	DUTY MODE
HFC Direct Expansion	Optigo FMC	02.08.2024	DESIGN
LABEL	PROJECT/QUOTE	POSITION REF.CUSTOMER	QTY
DESIGN-DX-R452A-AC-[7.0]-[]-AP-49418964	48919180		1



Thermal Data ^{(5), (14), (15)}			
Required Capacity	2.50 kW	Calculated Capacity	2.34 kW
Margin	-6.4 %	Sensible Heat Ratio	0.90
Condensate	0.4 kg/h	Evaporating Temperature	-25.0 °C
DTM	5.9 Δ°C	Temperature Type	DEW
Ref Temperature Liquid	30.0 °C		
Air Data			
Air Temperature ON/OFF	-18.0 °C / -20.0 °C	Air Flow	2700 m ³ /h
Air ON/OFF Relative humidity	85.0 % / 89.3 %	Air Velocity	3.5 m/s
DT1 (AirOnTemp-EvapTemp)	7.0 Δ°C	Air Throw	16 m
Fluid			
Fluid	R452A		
Fan Data			
Fan Type	AC	Number of fans	1
Fan Diameter	350 mm	Rotation Speed	1450 rpm
ErP 2015	Yes		
Electrical Fan Data			
Power Supply	230V / Single / 50 Hz / S	Tot. Nom. Power	175 W
Min/Max Work. Temp.	-40.0 °C / 50.0 °C	Tot. Nom. Current ⁽³⁾	0.8 A
Full Load Current	1.1 A		
Sound Level			
Sound Power Level	73 dB(A)	Sound Pressure Level ⁽¹⁾	52 dB(A)
Coil Data			
Tube Material	Copper	Fin Material	Alupaint
Fin Spacing	7.0 mm	Connections Size (In-Out)	1x12mm-1x28mm
Number Of Circuits	4	Surface	8.7 m ²
Internal Volume	2.1 l	Connection Side	Same
Design Pressure	24 bar		
Casing&Frame			
Casing Material	Galvanized Steel Painted RAL9003		
Dimensions ⁽²⁾			
LengthXDepthXHeight	870 mm / 525 mm / 530 mm	Unit Weight	25 kg
Electrical Defrost Consumption ⁽²⁴⁾			
No of heater coil	4	No of heater drip tray	1
Coil power consumption	1800 W	Drip tray power consumption	275 W

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Configuration IDs

Coil Configuration	AP/7.0/1x12mm-1x28mm/S
Fan Configuration	32010289/S
Options Configuration	E+HD

VALUE SUMMARY

30/11/2022 00:00

DESCRIPTION	KIT CODE	VALUE
Unit		1514€
Unit Value		1514€
Fan - AC - 1450 rpm - 230V - 50 Hz		
Fin pack - Alupaint - 7.0 mm		
Casing Material - Galvanized Steel Painted RAL9003		
Defrost System - Electrical+Heater drip tray E+HD		
Options Value		551€
Kit Value		included

Full Value

2065€

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. ⁵LU-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. ²⁴Standard power supply: 3ph+N 400V 50-60Hz. Other possible wiring alternatives : see installation manual

Calculation Engines
Item ID

HSP - 0.1.1.28 LuveCalc - 1.0.7.84
49418964

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