

Technical Specification
F35MCEA-32-7 AL - E+HD



APPLICATION	PRODUCT TYPE	CALCULATION DATE	DUTY MODE
HFC Direct Expansion	Optigo FMC	08.12.2025	RATING
LABEL	PROJECT/QUOTE	POSITION	REF.CUSTOMER
F35MCEA-32-7 AL - /E+HD	48917168		
		QTY	
		1	



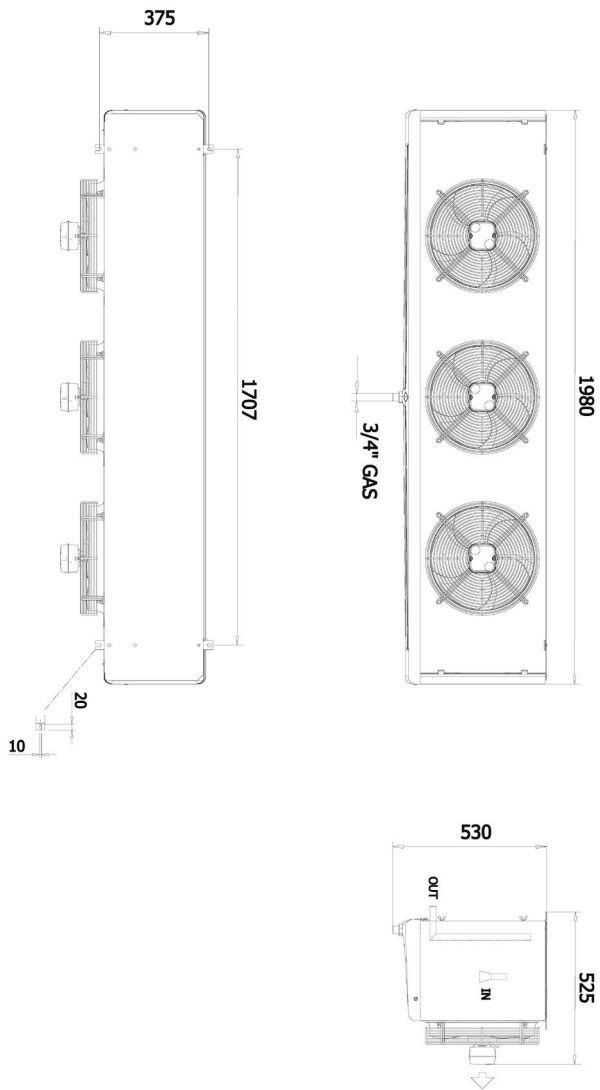
Thermal Data ^{(5), (14), (15)}			
Calculated Capacity	12,20 kW	Sensible Heat Ratio	0,76
Condensate	4,3 kg/h	Evaporating Temperature	-8,0 °C
DTM	6,1 Δ°C	Temperature Type	DEW
Ref Temperature Liquid	30,0 °C		
Air Data			
Air Temperature ON/OFF	0,0 °C / -3,4 °C	Air Flow	7800 m³/h
Air ON/OFF Relative humidity	85,0 % / 93,8 %	Air Velocity	3,1 m/s
DT1 (AirOnTemp-Evap.Temp.)	8,0 Δ°C	Air Throw	21 m
Fluid			
Fluid	R404A		
Fan Data			
Fan Type	AC	Number of fans	3
Fan Diameter	350 mm	Rotation Speed	1450 rpm
ErP 2015	Yes		
Electrical Fan Data			
Power Supply	230V / S / 50 Hz / S	Total Nominal Power	525 W
Min/Max Work. Temp.	-40,0 °C / 50,0 °C	Total Nominal Current ⁽³⁾	2,4 A
Full Load Current	3,3 A		
Sound Level			
Sound Power Level	78 dB(A)	Sound Pressure Level ⁽¹⁾	57 dB(A)
Coil Data			
Tube Material	Copper	Fin Material	Aluminium
Fin Spacing	7,0 mm	Connections Size (In-Out)	1x16mm-1x35mm
Number Of Circuits	12	Surface	39,3 m²
Internal Volume	8,7 l	Connection Side	Same
Design Pressure	24 bar	Tube Pattern	TRIANGULAR
Casing&Frame			
Casing Material	Galvanized Steel Painted RAL9003		
Dimensions ⁽²⁾			
LengthXDepthXHeight	1980 mm / 525 mm / 530 mm	Unit Weight	65 kg
Electrical Defrost Consumption ⁽²⁴⁾			
No of heater coil	6	No of heater drip tray	1
Coil power consumption	6900 W	Drip tray power consumption	720 W
Configuration IDs			
Coil Configuration			AL/7.0/1x16mm-1x35mm/S
Fan Configuration			32010289/S
Options Configuration			E+HD

SUMMARY	
DESCRIPTION	KIT CODE
Unit	
Fan - AC - 1450 rpm - 230V - 50 Hz	
Fin pack - Aluminium	
Casing Material - Galvanized Steel Painted RAL9003	
Defrost System - Electrical+Heater drip tray E+HD	

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. ¹⁴General conditions of sales available on www.luvegroup.com. ¹⁵LU-VE ventilated products comply with European Directives PED 2014/68/EU, LMD 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: 400V 3ph.

Calculation Engines	HSP - 0.1.1.31.p LuveCalc - 1.0.8.102
Item ID	49570596





Date	27-04-21	Type:	F35MC
Scale	1:1	Code:	31424042
