

Specifica Tecnica

F31MCEA-31-7 AL - /E+HD



APPLICATION	PRODUCT TYPE	CALCULATION DATE	DUTY MODE
Espansione diretta per HFC	Optigo FMC	02.10.2023	DESIGN
LABEL			
DESIGN-DX-R404A-AC-[7.0]-[]-AL-49198033			

Thermal Data ^{(5), (13), (14), (15)}			
Capacità richiesta	6,00 kW	Capacità calcolata	6,10 kW
Margine	1,7 %	Sensible Heat Ratio	0,76
Condensazione	2,1 kg/h	Temperatura d'evaporazione	-8,0 °C
DTM	6,7 Δ°C	Temperature Type	DEW
Temperatura refrigerante liquido	30,0 °C		

Air Data			
Air Temperature ON/OFF	0,0 °C / -2,5 °C	Flusso d'aria	5400 m ³ /h
Air ON/OFF Relative humidity	85,0 % / 91,6 %	Velocità dell'aria	3,1 m/s
DT1 (AirOnTemp-EvapTemp)	8,0 Δ°C	Lancio d'aria	21 m

Fluid	
Fluido	R404A

Fan Data			
Tipo di ventilatore	AC	Numero di ventilatori	3
Diametro del ventilatore	315 mm	Velocità di rotazione	1290 rpm
ErP 2015	Sì		

Electrical Fan Data			
Power Supply	230V / Monofase / 50 Hz / S	Potenza nom. tot.	270 W
Min/Max Work. Temp.	-40,0 °C / 65,0 °C	Corrente nom. tot. ⁽³⁾	1,2 A
Corrente a pieno carico	1,4 A		

Sound Level			
Livello di potenza sonora	74 dB(A)	Livello di pressione sonora ⁽¹⁾	53 dB(A)

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Coil Data

Materiale del tubo	Rame	Materiale dell'aletta	Alluminio
Spaziatura alette	7,0 mm	Dimensione connessioni batteria (Entrata-Uscita)	1x12mm-1x22mm
Numero di circuiti	5	Superficie	17,7 m ²
Volume interno	4,1 l	Connection Side	Stesso lato
Pressione di progettazione	24 bar		

Casing&Frame

Casing Material	Galvanized Steel Painted RAL9003
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Dimensions⁽²⁾

LengthXDepthXHeight	1670 mm / 500 mm / 460 mm	Unit Weight	53 kg
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Electrical Defrost Consumption⁽⁷⁾

No of heater coil	2	No of heater drip tray	1
Coil power consumption	4050 W	Drip tray power consumption	600 W

Configuration IDs

Coil Configuration	AL/7.0/1x12mm-1x22mm/S
Fan Configuration	32010297/S
Options Configuration	/E+HD

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VALORI DI LISTINO 12/01/2022 00:00

DESCRIPTION	KIT CODE	DISCOUNT%	VALUE
Unit			
Valore di listino dell'unità			
Ventilatore - AC - 1290 rpm - 230V - 50 Hz			Incluso
Pacchetto alette - Alluminio - 7,0 mm			Incluso
Materiale involucro - Galvanized Steel Painted RAL9003			Incluso
Tipo configurazione cablaggio			Incluso
Sistema di scongelamento - Electrical+Heater drip tray E+HD			
Valore di listino delle opzioni			
Valore di listino delle opzioni kit			included

Full Value

NOTES

- 1 By using EN13487 at 3 m in free field conditions, if distance is not specified differently from user
- 2 Dimensions and weight are not valid for all available options. Drawings are only preliminary, indicative and without accessories.
- 3 Total nominal current at Tair=20°C (68°F). Variation could occur due to different voltage or air temperature.
- 5 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.
- 7 Single electrical heater 230 V
- 13 Due to the current abnormal level of uncertainty in the procurement of raw materials and in particular of electronic components, the delivery time of some fans might be exceedingly long. Your local LU-VE S.p.A. contact will support you in the selection of products with better delivery time.
- 14 General conditions of sales available on www.luvegroup.com.
- 15 LU-VE products are designed, manufactured and tested according to PED 2014/68/EU, MD 2006/42/EC, LVD 2014/35/EU, EMC 2014/30/EU and their related harmonized standards.

Calculation Engines HSP - 0.1.1.14.hf1 LuveCalc - 1.0.7.68
Item ID 49198033



The certified performances and conditions in this software are in line with performances and conditions published on EUROVENT website. Those performances can be verified in www.eurovent-certification.com. The EUROVENT certification refers to the unit in standard configuration, additional options may impact on declared reference performance.

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