

# Specifica Tecnica

## F31MCEA-21-7 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-49198107			

### Thermal Data <sup>(5), (13), (14), (15)</sup>

Capacità richiesta	4,01 kW	Capacità calcolata	4,02 kW
Margine	0,2 %	Sensible Heat Ratio	0,76
Condensazione	1,4 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	3600 m <sup>3</sup> /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	18 m

### Fluid

Fluido	R404A
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### Fan Data

Tipo di ventilatore	AC	Numero di ventilatori	2
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.	180 W
Min/Max Work. Temp.	-40,0 °C / 65,0 °C	Corrente nom. tot. <sup>(3)</sup>	0,8 A
Corrente a pieno carico	1,0 A		

### Sound Level

Livello di potenza sonora	72 dB(A)	Livello di pressione sonora <sup>(1)</sup>	51 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-1x18mm
Numero di circuiti	4	Superficie	11,8 m <sup>2</sup>
Volume interno	2,8 l	Connection Side	Stesso lato
Pressione di progettazione	24 bar		

## Casing&Frame

Casing Material	Galvanized Steel Painted RAL9003
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## Dimensions<sup>(2)</sup>

LengthXDepthXHeight	1220 mm / 500 mm / 460 mm	Unit Weight	37 kg
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## Electrical Defrost Consumption<sup>(7)</sup>

No of heater coil	2	No of heater drip tray	1
Coil power consumption	2900 W	Drip tray power consumption	415 W

## Configuration IDs

Coil Configuration	AL/7.0/1x12mm-1x18mm/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			
<b>Valore di listino dell'unità</b>			
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			
<b>Valore di listino delle opzioni</b>			
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  $T_{air}=20^{\circ}\text{C}$  ( 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](http://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** 49198107

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