

# Specifica Tecnica

## F50CC1606-4 AC AL - E



Stefano Cacciotti

| APPLICATION                             | PRODUCT TYPE  | CALCULATION DATE      | DUTY MODE |
|---|---------------|-----------------------|-----------|
| Espansione diretta per HFC              | Optigo FCC    | 04.11.2024            | DESIGN    |
| LABEL                                   | PROJECT/QUOTE | POSITION REF.CUSTOMER | QTY       |
| DESIGN-DX-R448A-AC-[4.5]-[]-AL-49370184 | 49148925      |                       | 1         |

| <b>Thermal Data</b> <sup>(5), (14), (15)</sup> |                                     |  |                         |
|--|-------------------------------------|--|-------------------------|
| Capacità richiesta                             | 30,00 kW                            | Capacità calcolata                               | 33,00 kW                |
| Margine  | 10,0 %                              | Sensible Heat Ratio                              | 0,74                    |
| Condensazione                                  | 12,2 kg/h                           | Temperatura d'evaporazione                       | -10,0 °C                |
| DTM  | 5,4 Δ°C                             | Temperature Type                                 | MID                     |
| Temperatura refrigerante liquido               | 30,0 °C                             |  |                         |
| <b>Air Data</b>                                |                                     |  |                         |
| Air Temperature ON/OFF                         | 0,0 °C / -4,9 °C                    | Flusso d'aria                                    | 14800 m <sup>3</sup> /h |
| Air ON/OFF Relative humidity                   | 85,0 % / 96,1 %                     | Velocità dell'aria                               | 3,3 m/s                 |
| DT1 (AirOnTemp-EvapTemp)                       | 10,0 Δ°C                            | Lancio d'aria                                    | 39 m                    |
| <b>Fluid</b>                                   |                                     |  |                         |
| Fluido   | R448A                               |  |                         |
| <b>Fan Data</b>                                |                                     |  |                         |
| Tipo di ventilatore                            | AC                                  | Numero di ventilatori                            | 2                       |
| Diametro del ventilatore                       | 500 mm                              | Velocità di rotazione                            | 1330 rpm                |
| ErP 2015                                       | Sì                                  |  |                         |
| <b>Electrical Fan Data</b>                     |                                     |  |                         |
| Power Supply                                   | 400V / Trifase / 50 Hz / D          | Potenza nom. tot.                                | 1460 W                  |
| Min/Max Work. Temp.                            | -25,0 °C / 70,0 °C                  | Corrente nom. tot. <sup>(3)</sup>                | 2,8 A                   |
| Corrente a pieno carico                        | 3,5 A                               |  |                         |
| <b>Sound Level</b>                             |                                     |  |                         |
| Livello di potenza sonora                      | 83 dB(A)                            | Livello di pressione sonora <sup>(1)</sup>       | 62 dB(A)                |
| <b>Coil Data</b>                               |                                     |  |                         |
| Materiale del tubo                             | Rame                                | Materiale dell'aletta                            | Alluminio               |
| Spaziatura alette                              | 4,5 mm                              | Dimensione connessioni batteria (Entrata-Uscita) | 1x28mm-1x54mm           |
| Numero di circuiti                             | 14                                  | Superficie                                       | 95,3 m <sup>2</sup>     |
| Volume interno                                 | 19,1 l                              | Connection Side                                  | Stesso lato             |
| Pressione di progettazione                     | 24 bar                              | Tipo di tubo                                     | Standard                |
| <b>Casing&amp;Frame</b>                        |                                     |  |                         |
| Casing Material                                | Galvanized Steel Painted<br>RAL9003 |  |                         |
| <b>Dimensions</b> <sup>(2)</sup>               |                                     |  |                         |
| LengthXDepthXHeight                            | 2085 mm / 675 mm / 875 mm           | Unit Weight                                      | 175 kg                  |

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|                                       |                        |
|---------------------------------------|------------------------|
| <b>Electrical Defrost Consumption</b> |                        |
| Coil power consumption                | 7840 W                 |
| <b>Configuration IDs</b>              |                        |
| Coil Configuration                    | AL/4.5/1x28mm-1x54mm/S |
| Fan Configuration                     | 30106965A/D            |
| Options Configuration                 | E                      |

VALORI DI LISTINO

30/11/2022 00:00

| DESCRIPTION  | KIT CODE |
|--|----------|
| Unit   |          |
| <b>Valore di listino dell'unità</b>                    |          |
| Ventilatore - AC - 1330 rpm - 400V - 50 Hz             |          |
| Pacchetto alette - Alluminio - 4,5 mm                  | Incluso  |
| Materiale involucro - Galvanized Steel Painted RAL9003 |          |
| Sistema di scongelamento - Elettrico                   |          |
| <b>Valore di listino delle opzioni</b>                 |          |
| <b>Valore di listino delle opzioni kit</b>             |          |

### NOTES

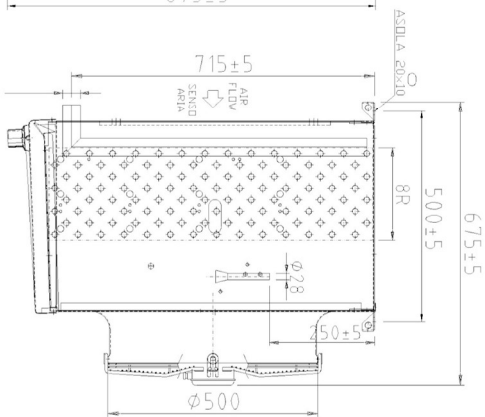
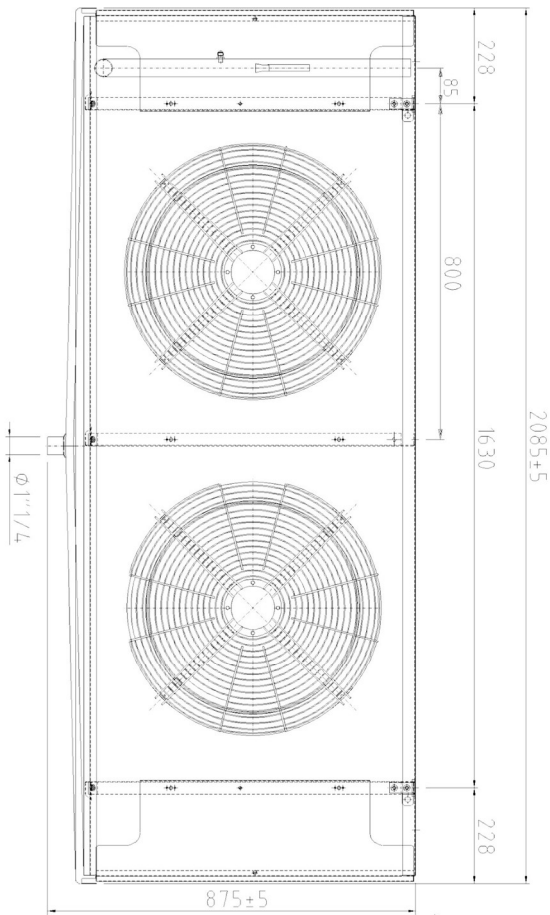
<sup>1</sup>By using EN13487 at 3 m in free field conditions, if distance is not specified differently from user <sup>2</sup>Dimensions and weight are not valid for all available options. Drawings are only preliminary, indicative and without accessories. <sup>3</sup>Total nominal current at Tair=20°C ( 68°F). Variation could occur due to different voltage or air temperature. <sup>5</sup>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. <sup>14</sup>General conditions of sales available on [www.luvegroup.com](http://www.luvegroup.com). <sup>15</sup>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  
Item ID

HSP - 0.1.1.28.rc9 LuveCalc - 1.0.7.84  
49370184

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Standard unit without accessories. For the connections please refer to the data sheet.

|           |                   |
|-----------|-------------------|
| Date      | Type: F50CC 2     |
| Scale 1:4 | Code:             |
|           | <b>ALFA LU-VE</b> |