

## Unit Cooler: LTE185S4-AL.CR.AL

|                            |                  |                         |         |
|----------------------------|------------------|-------------------------|---------|
| <b>Capacity calculated</b> | 1.78 Kw          | <b>Refrigerant (1)</b>  | R404A   |
| Capacity request           | 1.78 Kw          | Evaporation temp. (Dew) | -8.0 °C |
| Margin                     | 0.0 %            | Superheating            | 3 K     |
| Air Flow                   | 717 m3/h         | Condensing temp.        | 45.0 °C |
| Air temperature IN / HR    | 0.0 / 85 °C / %  | Subcooler               | 5 K     |
| Air temperature OUT / HR   | -5.0 / 95 °C / % | Frost thickness         | - mm    |
| Altitude                   | 0 m              |                         |         |

## Fan motor data (AC)

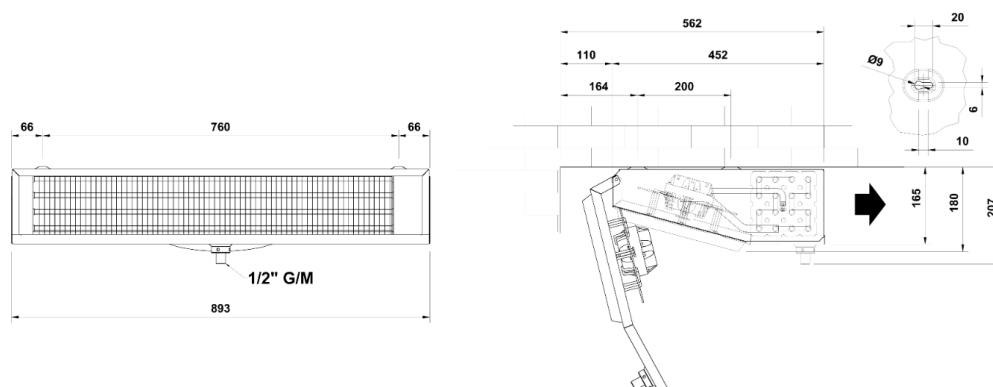
|                          |                            |                                |                |
|--------------------------|----------------------------|--------------------------------|----------------|
| Fan number               | 1 N°                       | Total power                    | 65 Watt        |
| Diameter                 | 250 mm                     | Total current                  | 0.45 A         |
| Voltage-Phase-Frequency  | 230 - 1 - 50/60 Volt/N°/Hz | Noise pressure level/Dist. (2) | 33/10 dB(A)/mt |
| Operating percentage     | 100 %                      | Noise power level              | 64 dB(A)       |
| Fan rotation speed / MAX | 1300 rpm                   | Air throw (approximate) (3)    | 6 mt           |
| Power x 1 Fan / MAX      | 65 Watt                    | Available static pressure      | - Pa           |
| Current x 1 Fan (4)/ MAX | 0.45 A                     | Energy efficiency class        | B              |

## Technical data

|                               |           |                        |                  |
|-------------------------------|-----------|------------------------|------------------|
| Casing                        | Aluminium | Tube material          | Cross-fin Copper |
| Surface                       | 8 m2      | Fins material          | Aluminium        |
| Volume                        | 1 dm3     | Headers dimensions In  | 10 (1) mm        |
| Fin spacing                   | 4.0 mm    | Headers dimensions Out | 10 (1) mm        |
| Net weight / Gross weight (5) | 9/10 Kg   | Packaging dimensions   | 475/197/H915 mm  |
| Max. operating pressure       | 30 bar    | PED classification (6) | Art.4, Par.3     |

## Option

## Dimensional Drawing



- 1) Fluid group according to pressure equipment directive 2014/68/EU
- 2) According to the enveloping surface method defined in EN 13487; tolerance = +2 dB(A).
- 3) Distance at which an air velocity of 0,25 m/s can still be measured isothermally in an ideal space. The achievable penetration depth of their flow in the cold room depends on the spatial geometry and other factors.
- 4) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.
- 5) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units.
- 6) Final classification according to pressure equipment directive 2014/68/EU during order processing.
- 7) Safety regarding refrigerants use is regulated by EN378 and EN60335-2 standards and by safety data sheet of the fluid used. A2L flammable gases require a risk assessment by user, taking into account the characteristics of the system.
- 8) When ordering, it is necessary to indicate use of flammable refrigerants. The company reserves the right to modify the product and/or validate the order.