

Date 13/10/2023  
 For the attention of: Edoardo Cavicchioli  
 Reference  
 Operator: Beatrice Santi



## GAS COOLER

### Type: SAV5N 4321-3 H (1X2) CO2 - EC fans - SUMMER

#### Operative Condition 2

Refriger (u) 2023 Ver. 2.3.1.391 - PRICE LIST 1/1/2023

Air inlet temperature	[°C]	30,0
CO2 inlet temperature	[°C]	137,7
CO2 outlet temperature	[°C]	32,0
Pressure	[bar]	82
Refrigerant		CO2
CO2 flow	[kg/h]	672,9
CO2 pressure drop	[kPa]	77,2
Altitude	[m]	0
Version		Horizontal

#### Power supply

400V-3PH-50Hz

EC FANS

<b>Capacity</b>	<b>[kW]</b>	<b>50,55</b>
Air flow	[m3/h]	16.010,0
Power consumption	[W]	1.710
Motor consumption	[A]	2,5
Max absorbed current (indicative*)	[A]	3,2
Fan speed	[1/min]	1600 (0-10 V, settable max rpm)
Sound level (at distance 10 [m])	[dB(A)]	56
Sound Power Level	[dB(A)]	87
Fans:	[mm] 2 x 500	Surface [m2] 75,3
Poles	[n] <b>EC FANS</b>	Volume [dm3] 6,0
		Weight [kg] 107
<b>Max Working pressure</b>	<b>[bar] 130,0</b>	Circuit [n] 6
<b>Max operating temperature</b>	<b>[°C] 150,0</b>	Overall dimensions [mm] 1.895 x 905 x 1.071
Casing material	Powder coated galvanized steel RAL 9003	Fin material Al
Header material	Special Cu alloy (K65)	Tube material Cu

\* Refer to LU-VE S.p.A. instruction manuals for details, data and standards. Noise level according to EN 13487. The current refers to nominal value. For max current see catalogues. Weight and dimensions are not valid for all possible configurations. All fans are ErP 2015-compliant (Directive 2009/125/EC Energy-related products). 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 Refriger software.

**WARNING: please always contact LU-VE S.p.A. before coupling a regulation NOT supplied by LU-VE S.p.A.**

New EC fan. When setting the rpm take into consideration a tolerance of  $\pm 5\%$ . Self protected, suitable for regulation by signal 0-10 VdC or BUS RS485.

#### SOUND POWER LEVEL

	Tot.	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
400V-3PH-50Hz [dB(A)]	84	60	61	65	76	83	73	66	57

Data refers to one fan. **IMPORTANT: the tolerance in any single octave band is +/-5dB. The tolerance in the overall dB(A) level is +/- 2dB.**

#### WINTER

Air inlet temperature	[°C]	5
Condensing temp	[°C]	15
Hot gas temperature	[°C]	82,6
Pressure Losses	[kPa]	157,8
<b>Capacity (WINTER)</b>	<b>[kW]</b>	<b>40,16</b>

#### Operative Condition 2

Air inlet temperature	[°C]	25,0
CO2 inlet temperature	[°C]	125,7
CO2 outlet temperature	[°C]	28,8
Pressure	[bar]	75
Refrigerant		CO2
CO2 flow	[kg/h]	601,4
CO2 pressure drop	[kPa]	80,0
Altitude	[m]	0
<b>Capacity</b>	<b>[kW]</b>	<b>47,00</b>

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**Accessories:**

Q.ty	Code	Type:	Description
1	30189850	ESB 1/32A	ELECTRICAL PANEL FOR EC FANS MANAGEMENT
2	31069713A	EC FAN - 400V - 1600rpm	EC FANS
1	CABLEC	CABLAGGIO REG. EC FANS	WIRING FOR EC FANS
2	IE0000002	IS	WIRED ISOLATOR SWITCH

**Preliminary Drawing:**

