

Date 20/2/2023
 For the attention of:
 Reference
 Operator

Behoort bij beschikking van
 Burgemeester en Wethouders
 van Leiden

Wabo Z/23/3509166



GAS COOLER

Type: XAV9X 9913-4-26N1 V (1X3) CO2 - EC fans - SUMMER

Refriger (u) 2021 Ver. 2.2.2.385 - PRICE LIST 1/1/2023

Air inlet temperature	[°C]	32,0
CO2 inlet temperature	[°C]	96,0
CO2 outlet temperature	[°C]	34,0
Pressure	[bar]	84
Refrigerant		CO2
CO2 flow	[kg/h]	2.015,8
CO2 pressure drop	[kPa]	76,4
Altitude	[m]	0
Version		Vertical

Power supply	400V-3PH-50Hz		EC FANS	
Capacity	[kW]		115,36	
Air flow	[m3/h]		30.670,0	
Power consumption	[W]		510	
Motor consumption	[A]		1,0	
Max absorbed current (indicative*)	[A]		3,3	
Fan speed	[1/min]		420	(0-10 V, settable max rpm)
Sound level (at distance 10 [m])	[dB(A)]		33	
Sound Power Level	[dB(A)]		65	
Fans :	[mm]	3 x 910	Weight	[kg]
Poles	[n]	EC FANS	Volume	[dm3]
Surface	[m2]	656,6	Inlet connections	[n] x [mm]
			Outlet connections	[n] x [mm]
Max Working pressure	[bar]	130,0	Circuit	[n]
Max operating temperature	[°C]	150,0	Overall dimensions	[mm]
Casing material	Powder coated galvanized steel RAL 9003		Fin material	ALUPLUS fins (prepainted AlMg alloy)
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 ±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)]	60	37	42	49	54	57	51	48	44

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 as required by Eurovent Certification.**

Accessories:

Q.ty	Code	Type:	Description
1	30189850	ESB 1/32A	ELECTRICAL PANEL FOR EC FANS MANAGEMENT
3	32010153C	EC FAN - 400V - 640rpm	EC FANS
1	ALUPS	ALUPLUS	ALUPLUS fins (prepainted AlMg alloy)
1	CABLEC	CABLAGGIO REG. EC FANS	WIRING FOR EC FANS
3	IE0000002	IS	WIRED ISOLATOR SWITCH

SHV-EHV-SAV-EAV-XAV

4,6÷1584 kW

AXIAL FAN TYPE AIR COOLED CONDENSERS

New Turbocoil heat exchanger

The extraordinary efficient performance of the heat exchanger is given by a combination of new fins and a special tubes configuration.

The new heat exchanger advantages are the following:

- high in performance with low air quantity required
- low motor consumption
- low noise operation
- reduction of internal circuit volume and refrigerant.

Coil suspension

The new patented coil suspension system LU-VE completely eliminates the tube contact with the condenser frame and provides full protection for the coil tubes during the condenser transport, installation and operation (Ø 500 PLUS - 630 - 800 - 900).

Fan shroud

New high efficiency fan shrouds to eliminate air backflow and to reduce the noise, each fan section is separated from the others. Fan guards conform to the most severe European Safety Standards.

Fan motors

New high performance and low energy consumption fan motors life lubricated - thermally protected motors, fans statically and dynamically balanced, fan motors wired to the junction box (optional) (Ø 500 - 630 - 710 - 800 - 900 - 1000).

Cabinet construction

Special care of design casing, manufactured in galvanized steel, painted, corrosion resistant headers, bends and junction boxes are guarded (Ø 500 - 630 - 710 - 800 - 900 - 1000).

Maintenance

Fan shrouds and side panels are easily removable to give full accessibility to motors, coil and junction boxes (Ø 500 - 630 - 710 - 800 - 900 - 1000).

Test

All coils are degreased, cleaned and tested to 35 bar test pressure.

The units are EUROVENT certified

Design standard

The products are provided for incorporation in machines as defined in the EC Machine Directive **2006/42/EC** and subsequent modifications according to the following safety standard references:

- Machine Directive **2006/42/EC** and subsequent modifications.
- Directive **2006/95/EC** Low tension and subsequent modifications.
- Directive **2004/108/EC** EMC.
- PED **97/23/EC**.
- **EN 294** Fan guards.

Quality Assurance

LU-VE is a certificated company to UNI EN ISO9001:2008, which is the most important Quality Assurance qualification, covering Development, Testing, Production method and Inspection procedures.

