

AIR COOLED CONDENSER WITH AXIAL FANS Type: SHVN 46/5 V 230V-1PH-50HZ

Fin spacing: [mm] 2,1 Outlet connections [n]x[mm] 1 x 28 Volume [dm3] 13,30 Circuit [n] 1 x 12	JAT 333 444				Refri	iger (u) 2017 \	/er. 2.1.4	.304 - PRICE LIST 3/2017
Hot gas temperature [°C] 75,0 Subcooling [K] 0 Refrigerant R404A Altitude [m] 0 Version Vertical Power supply 230V-1PH-50Hz Capacity [kW] 54,06 Air flow [m3/h] 14.400,0 Energy efficiency class D (2014 thresholds) Power consumption [M] 1.080 Motor consumption [A] 5,1 Max absorbed current [A] 5,46 Fan speed [1/min] 1400 Sound Power Level [dB(A)] 48 Sound Power Level [dB(A)] 79 Fans : [mm] 6 x 350 Weight [kg] 97 Poles [n] 4 Inlet connections [n]x[mm] 1 x 28 Volume [dm3] 13,30 Circuit [m] 1 x 12 Volume [dm3] 13,60 Overall dimensions [mm] 1 x 12 Volume [dm3] 16,78 Overall dimensions [mm] <th< td=""><td>Air inlet temperature</td><td></td><td>[°C]</td><td></td><td></td><td>25,0</td><td></td><td></td></th<>	Air inlet temperature		[°C]			25,0		
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J	Coil operating maxima	al pressure	[bar]	30,0				
Headers material Cu Tube material Cu	Casing material	Powder coated galvanized	l steel RAL	9003	Fin material	Al		
	Headers material	Cu			Tube material	Cu		

* Refer to LU-VE S.p.A. catalogues for details, presentation of 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.**

SOUND POWER LEVEL

	Tot.	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
230V-1PH-50Hz [dB(A)]	71	40	59	61	64	69	62	57	49

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.

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 (\emptyset 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) (\emptyset 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 (\emptyset 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.



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





