



AIR COOLED CONDENSER WITH AXIAL FANS

Type: SHVN 46/5 V 230V-1PH-50HZ

Refriger (u) 2017 Ver. 2.1.4.304 - PRICE LIST 3/2017

Air inlet temperature	[°C]	25,0
Condensing temperature	[°C]	40,0
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	[m ³ /h]	14.400,0
Energy efficiency class		D (2014 thresholds)
Power consumption	[W]	1.080
Motor consumption	[A]	5,1
Max absorbed current	[A]	5,46
Fan speed	[1/min]	1400
Sound level (at distance) 10 [m])	[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
Fin spacing:	[mm]	2,1	Outlet connections	[n]x[mm]	1 x 28
Volume	[dm ³]	13,30	Circuit	[n]	1 x 12
Surface	[m ²]	67,8	Overall dimensions	[mm]	1.857 x 511 x 1.127
Coil operating maximal pressure	[bar]	30,0			

Casing material	Powder coated galvanized 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 (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

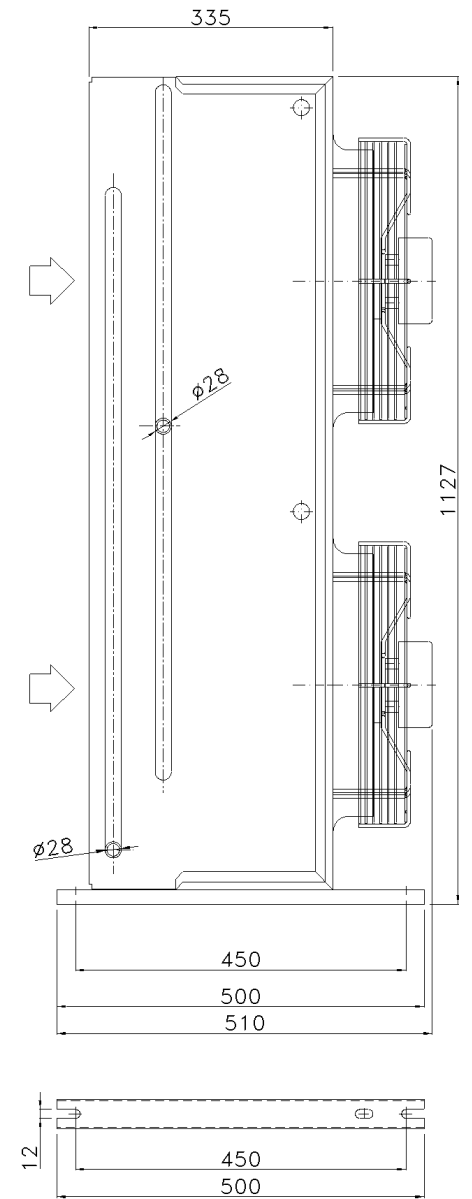
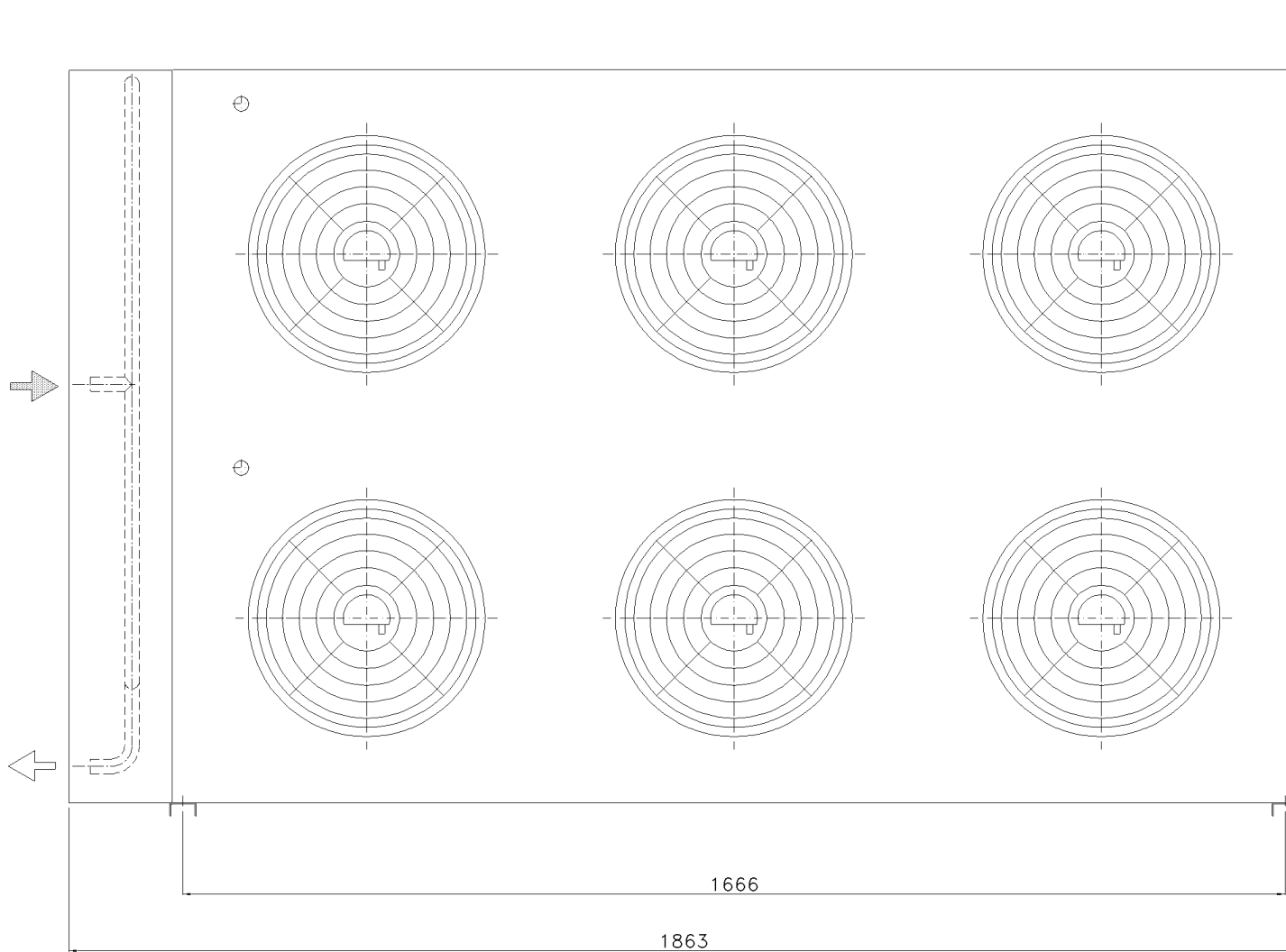
Design standard

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.



Date	16-01-2017	Type: SHVN 46/5 V 230V-1PH-50HZ
Scale	1:1	Code: 10120312

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