

Date 16/9/2025
For the attention of: TRANE CZ_VŠB Ostrava
Reference FRC 4-7_Emeritus
Operator



SPECIAL DRY COOLERS



Type: EHLD1F-1247 5R B EMR+ECO (2X4) - EC FANS

Refriger (u) 2025 Ver. 2.3.2.408 - PRICE LIST 1/11/2024

Air inlet temperature	[°C]	35,0	Capacity	[kW]	535,0
Relative humidity	[%]	38,0	Air flow	[m3/h]	199 280,0
Wet bulb air inlet temperature	[°C]	23,3	Overall water flow	[m3/h]	1,4
Guaranteed capacity in dry conditions %	[%]	70	Water Economizer	[%]	100,0
Switching temperature wet/dry	[°C]	23,8	Sprayed water pressure	[bar]	2,5
Inlet fluid temperature	[°C]	34,0	Overall efficiency (Evaporation+Spray)	[%]	81,4
Outlet liquid temperature	[°C]	29,0	Fan speed	[1/min]	970
Fluid flow	[m3/h]	98,5	Power consumption	[W]	18 675
Fluid pressure drop	[kPa]	25,5	Motor consumption	[A]	27,5
Fluid	Propyl. 35 %		Max absorbed current (indicative*)	[A]	32
Altitude	[m]	0	Sound level (at distance 10 [m])	[dB(A)]	65
			Sound Power Level	[dB(A)]	99
			Additional noise with Spray activated	[dB(A)]	0

Power supply 400V-3PH-50Hz

Fans :	[mm]	8 x 910	Surface	[m2]	2 440,4
Poles	[n]	EC FANS	Weight	[kg]	2 997
Volume	[dm3]	434,2	Weight with wet adiabatic panels	[kg]	3 189
Coil operating maximal pressure	[bar]	10,0	Inlet Gas connections	["]	2x4
			Outlet Gas connections	["]	2x4
			Overall dimensions	[mm]	6 188 x 2 400 x 2 545
Casing material	Powder coated galvanized steel RAL 9003		Fin material	ALUPLUS fins (prepainted AlMg alloy)	
Headers material	Cu header, Al floating flange		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. For products manufactured in the Russian Federation please contact the sales office. Specification related to ventilator voltage (Volt), current (Ampere), electrical power (Watt) can be slightly different and are available [here](#). The specification is related to a single ventilator. **WARNING: please always contact LU-VE S.p.A. before coupling a regulation NOT supplied by LU-VE S.p.A.**

Origin water quality according to European standard 98/83/EC. Post treatment water quality: pH 6.5 - 8 | Conductivity [μ S/cm] <800 | Fixed residues [mg/l] <500 | Chlorides [mg/l] <100 | Sulphates [mg/l] <50 | Hardness [°F] 4-6 | Indicative softener ratio (max): 7 | Max operating time in wet mode: Spray = 500h/year per section; Panels: no limits
The water collection tank and its pump are supplied separately. The installer is responsible for their assembly.
If transport is in container, the adiabatic panels are supplied separately and the installer is responsible for fitting them to the machine.

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)]	90	66	70	75	83	88	80	75	68

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.**

Accessories:

Q.ty	Code	Type:	Description
4	30098736	TAM 10	ANTI-VIBRATION PADS
8	32010117A	EC FAN - 400V - 970rpm	EC FANS
1	CABLEC	CABLAGGIO REG. EC FANS	WIRING FOR EC FANS
4	FL0000005	FL-SHLD	FLANGES
1	W08T	CONTROL_SYSTEM_W08T	ELECTRICAL PANEL FOR EC FANS MANAGEMENT

