

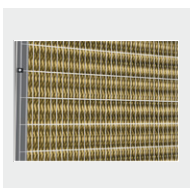
PERIcooler

EVAPORATIVE COOLER

The evaporative cooler **PERIcooler** is a very versatile machine, which can efficiently and economically cool down a big quantity of air. It is possible to use the product such in a fixed as well as in mobile configuration for temporary application. The sturdy frame of PERIcooler is made of steel with zinc/aluminum/magnesium coating for the maximum corrosion resistance. The cooling pads can be easily removed to ensure an easy maintenance and cleaning of the machine. The water tank has a great capacity (335 litres) in order to guarantee long continuous operation hours. Available also in unassembled version (KD).



SK kit (optional) safety net for propeller, round air diffuser outlet preset for installation of polyethylene duct



Kit **NT3** (optional) installation of safety nets possible for all three panels

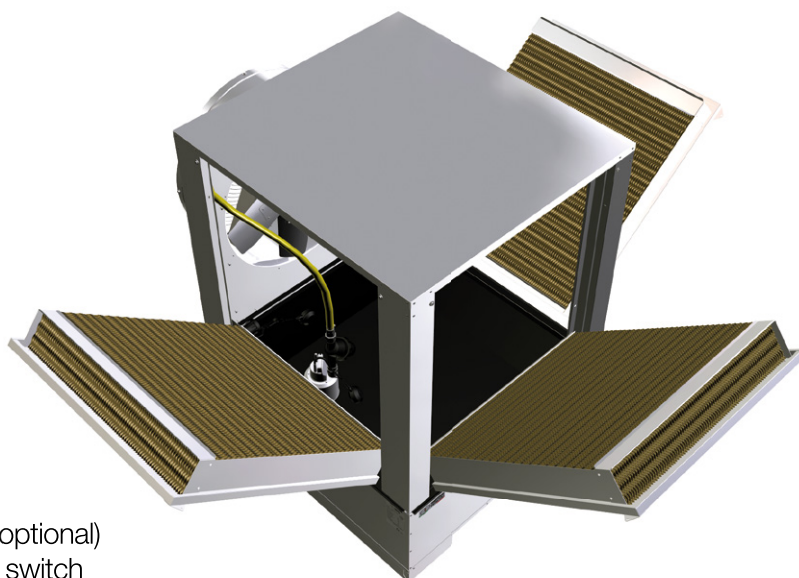


CXF-PC 31 - Electrical panel (optional)

- Safety motor magnetothermic switch
- Built-in socket with phase inverter
- Manual switch for water tank emptying
- Machine can be controlled by thermostat or by humidistat



Kit **WSK** (optional)
Wheels for mobile installation



TAP (option) cover for evaporative pads



Technical features

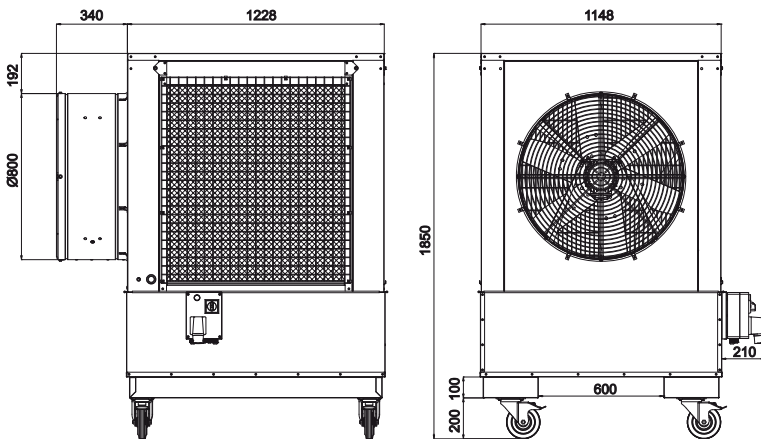
PERICOOLER



		Outside relative humidity (%)								
		15	20	25	30	35	40	45	50	55
Outside temperature °C	Temperature C/Humidity % at machine outlet / water consumption / operating time									
	30	16.8°C 77.4% 2.3 l/min 1h 50'	17.8°C 79.6% 2.1 l/min 2h	18.8°C 81.7% 2 l/min 2h 5'	19.7°C 83.6% 1.8 l/min 2h 20'	20.7°C 85.3% 1.7 l/min 2h 30'	21.5°C 86.9% 1.5 l/min 2h 45'	22.4°C 88.4% 1.4 l/min 2h 55'	23.2°C 89.8% 1.2 l/min 3h 25'	24°C 91.1% 1.1 l/min 3h 50'
	35	20°C 76.6% 2.6 l/min 1h 35'	21.2°C 79% 2.4 l/min 1h 45'	22.3°C 82.1% 2.2 l/min 1h 55'	23.5°C 83.3% 2 l/min 2h 5'	24.6°C 85.1% 1.9 l/min 2h 10'	25.6°C 86.8% 1.7 l/min 2h 30'	26.5°C 88.3% 1.5 l/min 2h 45'	27.4°C 89.7% 1.4 l/min 2h 55'	28.3°C 91.1% 1.2 l/min 3h 25'
	40	23.2°C 75.9% 2.9 l/min 1h 25'	24.7°C 78.5% 2.7 l/min 1h 30'	26°C 80.9% 2.5 l/min 1h 40'	27.3°C 83% 2.3 l/min 1h 50'	28.5°C 84.9% 2.1 l/min 2h	29.6°C 86.5% 1.9 l/min 2h 10'	30.7°C 88.2% 1.7 l/min 2h 30'	31.7°C 89.6% 1.5 l/min 2h 45'	32.7°C 91% 1.3 l/min 3h 10'
	45	26.5°C 75.7% 3.3 l/min 1h 15'	28.1°C 78.1% 3 l/min 1h 20'	29.7°C 80.5% 2.7 l/min 1h 30'	31.1°C 82.7% 2.5 l/min 1h 40'	32.4°C 84.7% 2.3 l/min 1h 50'	33.7°C 86.5% 2 l/min 2h 5'	34.9°C 88.1% 1.8 l/min 2h 20'	36°C 89.6% 1.6 l/min 2h 35'	37.1°C 91% 1.4 l/min 2h 55'
	50	29.7°C 74.7% 3.6 l/min 1h 10'	31.6°C 77.7% 3.3 l/min 1h 15'	33.3°C 80.3% 3 l/min 1h 20'	34.9°C 82.5% 2.7 l/min 1h 30'	36.4°C 84.6% 2.5 l/min 1h 40'	37.8°C 86.4% 2.2 l/min 1h 55'	39.2°C 88% 2 l/min 2h 5'	40.4°C 89.5% 1.8 l/min 2h 20'	41.6°C 90.9% 1.6 l/min 2h 35'

Data related to PERICOOLER at full operation.

Dimensions and loading possibilities



Technical features

Net weight	170 kg	
Weight at full load	505 kg	
Water tank capacity	335 l	
Fan air displacement	18.000 m³/h	
Propeller diameter	768 mm	
Fan electric power	0,55 kW	
Pump electric power	0,3 kW	
Voltage*	Δ 220-240 V	Δ 220-270 V
Frequency	Y 380-420 V 50 Hz	Y 380-460 V 60 Hz
Sound pressure level Lpa** [dB]	64,8 db (A)	

* Single-phase motors available upon request; all three-phase motors can be controlled by inverter.

** Measurement surface according to UNI EN ISO 3744, pic C.7.

Loading possibilities

	Fully assembled version (FA)*	Knock-down version (KD)
Container 20ft	8	20
Container 40ft	16	40
Container 40ft HC	---	50

*To optimize loading possibilities some parts can be supplied unassembled