

n° 172017/3 : 20 February 2018	AIR COOLED LIQUID CHILLERS	LENNOX
Raktár	 1 x EAC 1203 SM 4 HN	 



THERMODYNAMIC DATA

Thermodynamic capacity (*)	108.6	kW
total Absorbed power (*)	40	kW
Cop/Eer: (*)	2.71	
Eseer	3.83	
SEPR medium temp(**)	3.22	
Water delta T	12 / 7	°C
External Ambient temperature	35	°C
Glycol percentage rate	35	%
Evaporator water flow rate	20.36	m3/h
Internal pressure drop	67	kPa

(*):according to EN14511-2013

(**):Following Ecodesign Regulation n° 2015/1095 and main application is the process cooling (normalized leaving water temperature at -8°C)

DATA FOR EXTERNAL EXCHANGER

Number of fans	2	
Air Volume Flow Rate	39500	m3/h
External Static Pressure	0	Pa

GENERAL DATA

Number of circuits	2	
Compressor type/Number	scroll/3	
Capacity steps	0-30-75-100	% %
Refrigerant	R410A	
Connection diameters	2 1/2" G-2 1/2" G	

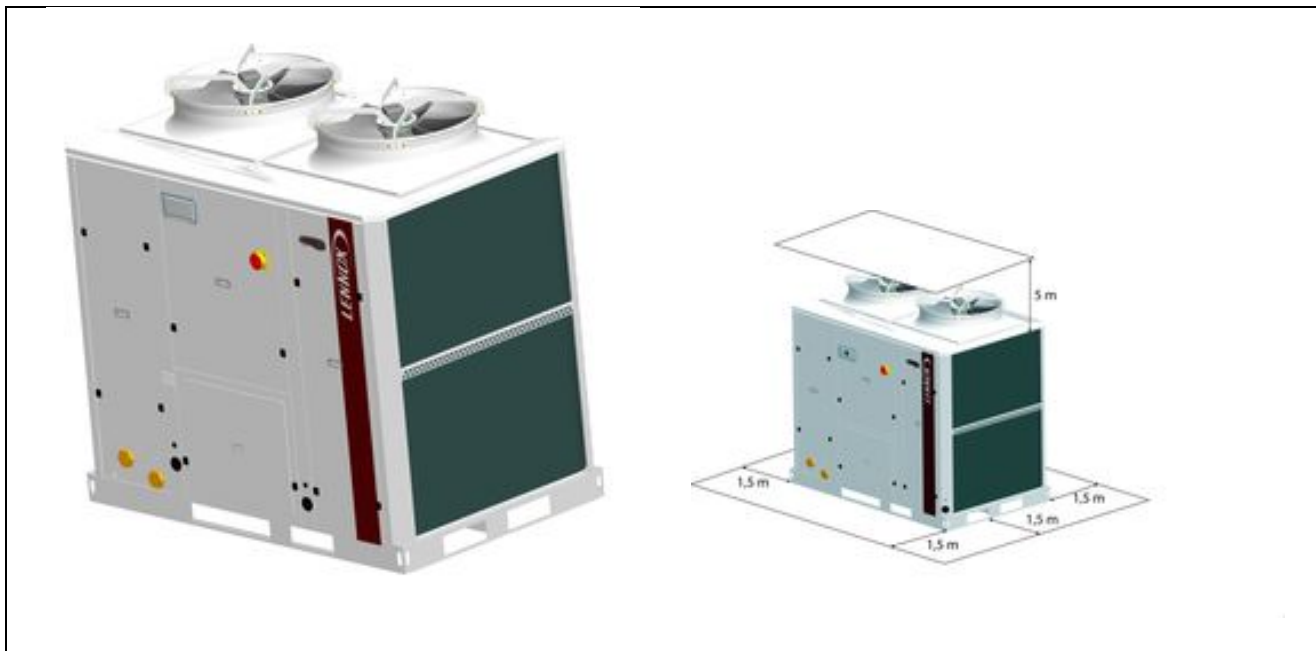
ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400/III/50Hz+T	V/P
Maximum power	59.2	kW
Starting current	177.3	A
Maximum running current	102.5	A

DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES

Length	2250	mm
Width	1420	mm
Height	2128	mm
Operating weight	1259	kg

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HYDRAULIC MODULE

Type	S
Electrical Power Supply	2.45 kW
Run Current	4.95 A
Available system pressure from the pump	209 kPa
Available static pressure for the system	142 kPa
Buffer Tank Water Volume	240 l

ACOUSTIC DATA

	Spectrum per octave band								Global sound power level dB(A)	Global sound pressure level 10 m dB (A)
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz		
A	-	75.7	78.1	78.6	78.4	80.7	73.7	67.7	84.8	-
B	-	47.7	50.1	50.6	50.4	52.7	45.7	39.7	-	56.7
C	-	43.8	46.2	46.7	46.5	48.8	41.8	35.8	-	52.8

A: Global sound power level measured in compliance with ISO STANDARD 3744 at nominal operating point 12/7/35 °C
B: Hemi-spheric (Value only given for indication)
C: Enveloping surface (Value only given for indication)

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QUOTATION

Items of Equipment fitted as standard:

- Cooling only version
- Produced according standard quality ISO9001
- Materials comply to European regulations and directives CE
- Water filter.
- Water flow switch.
- Casing made of galvanized steel sheet metal. Rigid, hot dipped galvanized chassis.
- R410A scroll compressors with both axial and radial compliance. Crankcase heater.**
- Stainless steel plate brazed. Thermal insulation by top grade 10 mm plastic foam.
- High performance coil with expanded copper tubes and high efficiency aluminium fins.
- OWLET™ Fan-motor with high performance aluminium fan blades.**
- Available static pressure up to 75 Pa.**
- Noise setting capability per time zone (Performance mode, Quiet mode or Quiet++ Mode).**
- 400V, 50 Hz, 3 phase power supply (without neutral) except for size 20S with neutral
- Door interlocked main on/off switch.
- CLIMATIC™ 60 microprocessor based control**
 - The DC60™ user interface is supplied as standard mounted on the front panel
 - Master/slave or cascade control of 2, up to 8 chillers.
 - Dynamic defrost to limit the number and the duration of the defrost cycles.
 - Water set-point offset based on outdoor air temperature.
- HN version: hydraulic module with pump, expansion vessel and buffer tank**



Accessories included with this offer

- 1 x Standard unit with hydronic module
- 1 x Soft starter for compressor
- 1 x 3 phases relay for unit electrical protection
- 1 x ModBus/BACnet/Ethernet TCP/IP communication interface
- 1 x Anti-vibration mounts rubber type (supplied loose)