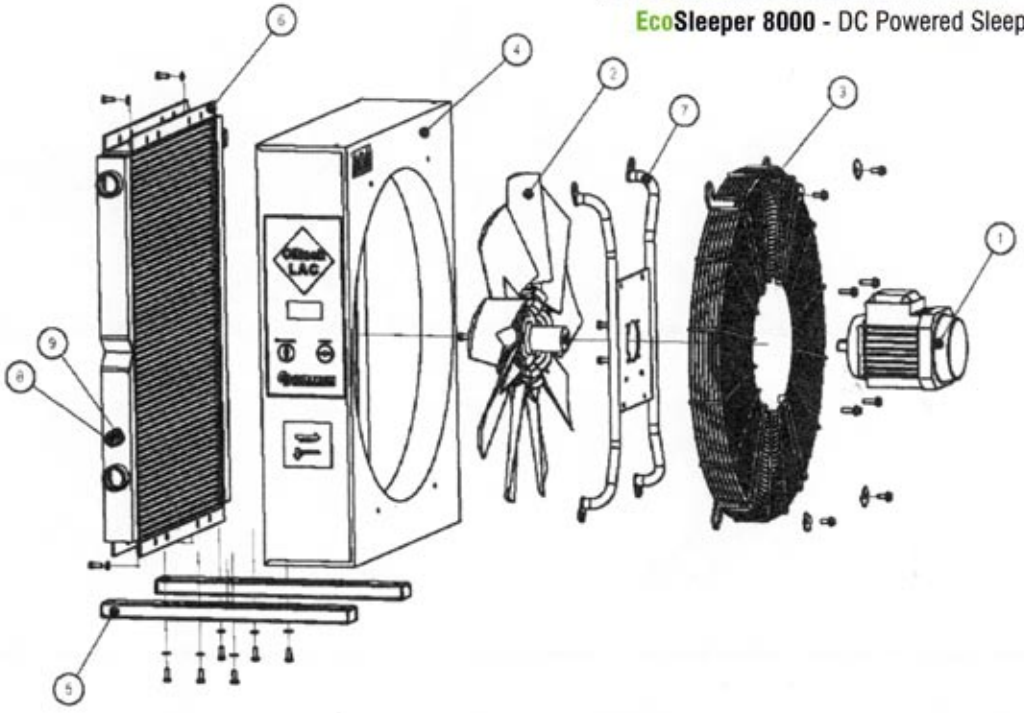
Al Cicioni

Engineering, Field Service, Sales & Customer Support

442-448 South Church Street Route 309 South
Hazleton, PA 18201 • USA **Cell:** 570-401-7697
email: sales@cicioni.com • www.cicioni.com
WAREHOUSES: AZ, CA, CT, FL, GA, IL, KY, MI, NC, PA, TX, WA

EcoSleeper 8000 - DC Powered Sleeper Bunk A/C Unit



9	1	Rubber Steel Washer GI 2	Rubber Steel	739553	Yellow Chromated
8	1	Plug G1/2	Steel SS1914-04	540094	Yellow Chromated
7	1	Motor Bracket MF33-4480-814	Steel SS1142-32	574150	
6	1	LD 044 Cooler Multi 3-Pass	Steel/ Alu	5960404	
5	2	Foot LAC 07 66 L=550	Steel SS1142-32	574252	
4	1	Fan House FH44	Steel SS1142-32	574071	
3	1	Fan Guard FG3344	Steel SS1312	574860	Yellow Chromated
2	1	Fan #650-9-25-521-15-9NR	Steel/ Alu/ Plastic	563502	60Hz
1	1	504-0.56 SIEMENS 460V/60Hz		521.7021	Electric NEMA
Pos	No	Description	Material	P/N - dw	Remark

OILTECH
MEMBER OF THE CLAES GROUP
OILTECH AB
FÖRRÅDSVÄGEN 2
SE-191 41 UPPLANDS VÄSBY
SWEDEN
Phone: +46 (0)8 626 07 60
Fax: +46 (0)8 767 97 66
www.oiltech.se

LAC-044-6-X-00-
T00-0-Z Electric NEMA
std 460V/ 60Hz

560044090-SD.stw
Sales drawing

Cicioni Rengineered Lube Oil
Upgraded Structural Version

Attachment 5 – Oiltech Cooler Data Sheet

Key for LAC and LAC2 air oil coolers

All positions must be filled in when ordering.

EXAMPLE:
LAC2 - 016 - 6 - A - 50 - T20 - D - 0
1 2 3 4 5 6 7 8

1. AIR OIL COOLER WITH AC MOTOR – LAC / LAC2

2. COOLER SIZE

002, 003, 004, 007, 011, 016, 023, 033, 044, 056, 058, 076, 078, 110, 112, 113

3. NUMBER OF POLES, MOTOR

2-pole	– 2
4-pole	– 4
6-pole	– 6
8-pole	– 8

4. VOLTAGE AND FREQUENCY

No motor	– 0
Three-phase 220-240/380-420 V 50 Hz*	– A
Three-phase 440-480 V 60 Hz*	– B
Single-phase 230 V 50/60 Hz**	– C
Three-phase 220-240/380-420 V 50 Hz 440/480 V 60 Hz***	– D
Three-phase 500 V 50 Hz	– E
Three-phase 400/690 V 50 Hz 440-480 V 60 Hz	– F
Three-phase 525 V 50 Hz	– G
Motor for special voltage (stated in plain language)	– X

** – for LAC 033 to LAC 113, ** – contact us for frequency 60 Hz*
**** – for LAC 007 to LAC 023*

7. MATRIX GUARD

No guard	– 0
Stone guard	– S
Dust guard	– D
Dust and stone guard	– P

8. STANDARD/SPECIAL

Standard	– 0
Special	– Z

Technical specification

FLUID COMBINATIONS

Mineral oil	HL/HLP in accordance with DIN 51524
Oil/water emulsion	HFA, HFB in accordance with CETOP RP 77H
Water glycol	HFC in accordance with CETOP RP 77H
Phosphate ester	HFD-R in accordance with CETOP RP 77H

MATERIAL

Cooler matrix	Aluminum
Fan blades/hub	Glass fibre reinforced polypropylene/ Aluminum
Fan housing	Steel
Fan guard	Steel
Other parts	Steel
Surface treatment	Electrostatically powder-coated

COOLER MATRIX

Maximum static working pressure	21 bar
Dynamic working pressure	14 bar*
Heat transfer tolerance	±6 %
Maximum oil inlet temperature	120 °C

** Tested in accordance with ISO/DIS 10771-1*

4. Fatigue

The air oil cooler in a hydraulic system is subjected to loading and pressure changes from pumps and valves etc. In order to ensure that the cooler matrix in the air oil cooler tolerates normal loading, we test the cooler matrix for fatigue as per ISO 10771-1.
Tests are carried out at dynamic pressure 0-14 bar, at approximately 2 Hz and at least 2 million cycles. The higher the frequency (Hz), the easier it is on the matrix, as the material in the cooler matrix cannot then react to the pressure changes. Static burst pressure in our cooler matrix is 75-100 bar.