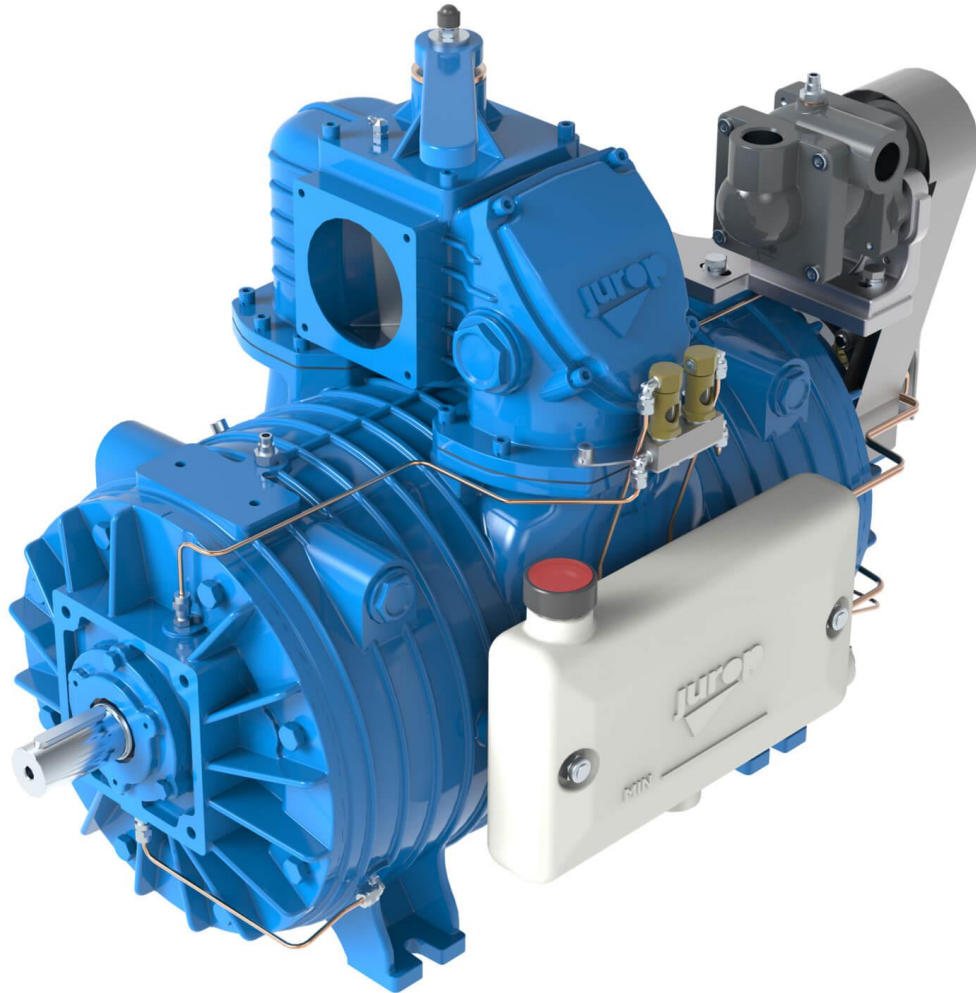
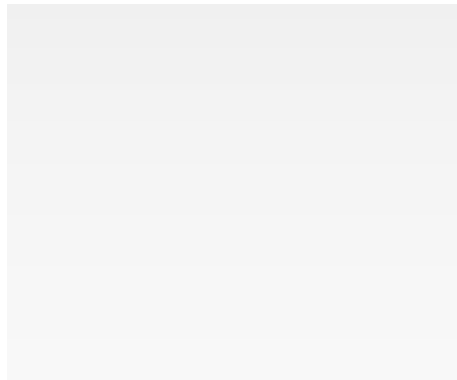


ORIGINAL INSTRUCTIONS



**INSTALLATION, USE AND
MAINTENANCE MANUAL**



2021 – **Juop** – Azzano Decimo (PN)

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1. General warnings

1.1. Introduction

- This booklet contains the necessary instructions for a correct installation, running, use and maintenance of the pump, as well as some practical suggestions for a safe operating.
- The knowledge of the following pages will grant a long and trouble-free operation of the pump.
- Following the instructions below contributes to limiting pump repair expenses by extending its duration, as well as preventing hazardous situations, thereby increasing its reliability.
- It is recommended to:
 - Read, understand and apply carefully the instructions before running the pump.
 - Keep the booklet at hand and have it known to all operators.
- Below is a brief description of the symbols used in this manual.



If these safety rules are not respected, operators can be injured and the pump or oilers damaged remarkably.



If these safety rules are not respected, the pump or system can be damaged.



Suggestions for an environment friendly use of the pump.



Useful information for an easy usage and maintenance of the pump.

• The graphic representations and photographs contained in this manual are there to illustrate the product in the parts that make it up and in specific operating phases. Though the model shown in the manual may differ from the one purchased, the operating principle at the base of the illustrated operating phase is the same.

• Pump has to be fitted with its own tag reporting the following data: Model, Serial number, Year, Max speed, Max pressure.

MADE IN ITALY	
<small>Jurop S.p.A. - Via Crosera, 50 - 33082 Azzano Decimo - PN (ITALY)</small>	
MOD.	
SERIAL No.	
YEAR	
MAX PRESSURE (bar)	
MAX SPEED (r.p.m.)	

Pic. 1.1

1.2. Spare part request

• Use only **genuine spare parts** for maintenance and repairs. To order spare parts, provide the following details:

ESEMPIO:

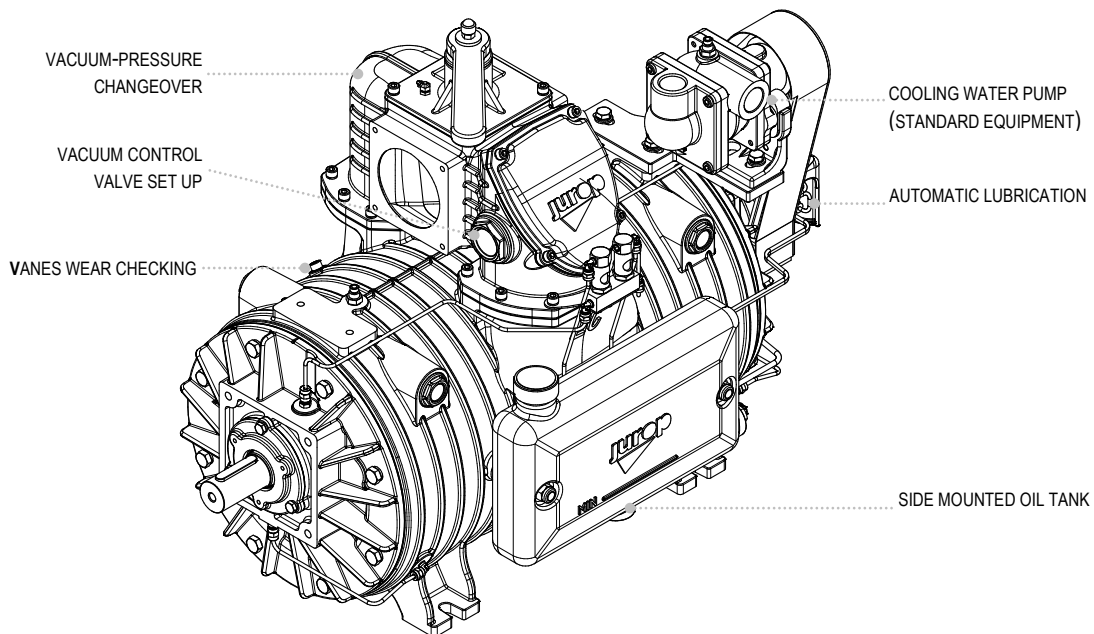
- | | |
|--|--------------|
| a) The model of the pump (see pump tag): | LC580 |
| b) The serial number of the pump (see pump tag): | J90001 |
| c) A description of the parts (see parts list): | VANE |
| d) The quantity (see parts list): | n°5 pz |
| e) The code number of the part (see parts list): | 16016 BXN B0 |

1.3. Warranty terms and conditions

• Compliance with the installation, use and maintenance instructions provided by this manual **is crucial for the recognition of warranty** against defective parts.

2. Technical data

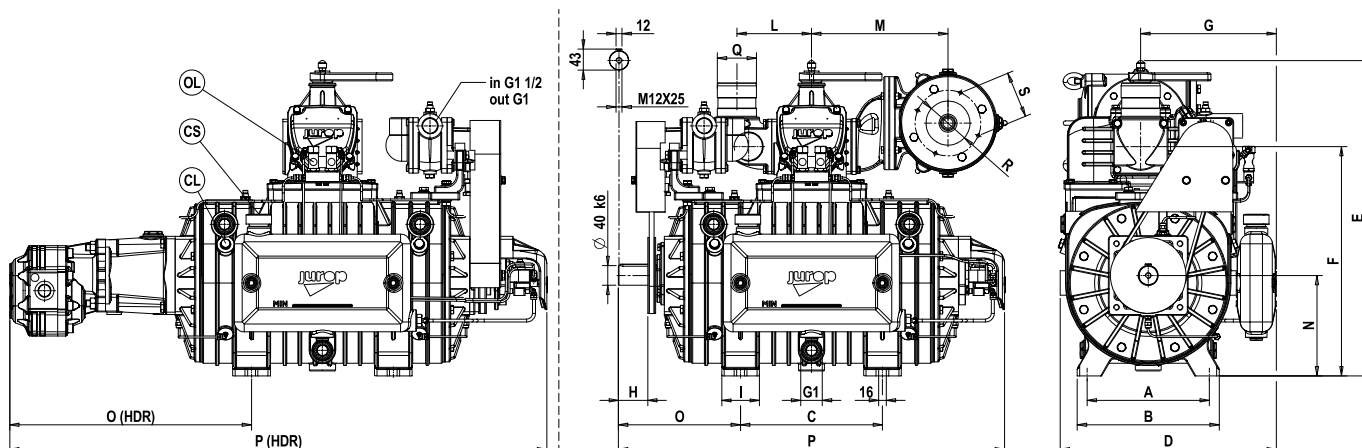
- Five-vane rotary pump with liquid cooled housing, suitable even for major duty operating conditions with high volumetric efficiency and low noise. It has two inlet liquid points on the lower part of its body and four outlet points on the upper part. They do not interfere with the side mounted oil tank.
- Automatic lubricating pump, accessible from the outside for an easy and quick adjusting. Copper oil piping, complete with sight glass drip oilers for a continuous check of the lubrication system.
- Side mounted oil tank with level spy hole. The oil tank can be mounted either on the right or left side of the pump to grant an easy oil checking and filling up. The outside mounting of the oil tank grants a better cooling of the oil itself.
- Heavy duty vanes (asbestos free), radially disposed on the rotor: reduced wear for a long-lasting lifetime. Vanes wear checking ports on the pump body: they do not interfere with the side mounted oil tank.
- Built-in vacuum-pressure changeover 4-way valve, manually operated: on request, hydraulic or pneumatic operated actuators available.
- Non return valve (clapet) integrated in the pump manifold (LC420-580).
- Swivelling conveyors, made of aluminium alloy: various sizes available.
- Cooling water temperature: a mechanic thermometer can be inserted into one of the outlet holes. A metal capillary operates the pointer that can be mounted on a visible point near the pump. Delivered on request.
- Exhaust air temperature: the manifold is equipped with a housing for the safety thermostat (intervention temperature: 150° C). Delivered on request.
- Built-in suction air filter. It can be mounted horizontally whereas the suction hole can be swivelled either towards the right or the left side, for an easy pump installation and the following cleaning operations and maintenances. The space required to remove the inner cartridge of the suction filter do not exceed the overall dimensions of the pump. Cleansing agents suction points for the internal wash-up of the pump (recommended in case sewage has been sucked).
- Drive system:
 - Direct with smooth shaft;
 - With gear box (ASAE 1 3/8) 540 rpm o 1000 rpm, left rotation;
 - With hydraulic motor.



Picture shows: LC 750 D

2.1. Dimensions

Versions with hydraulic motor / smooth shaft

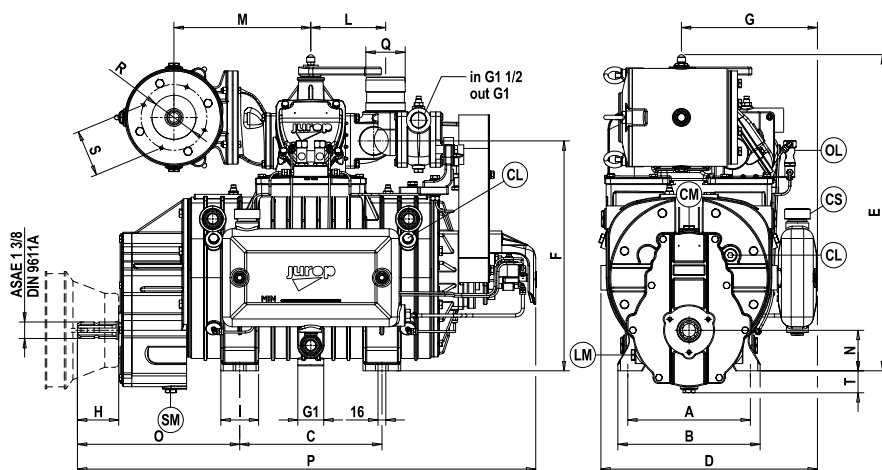


PUMP LUBRICATION		HOUSING	
CS: tank filling point	OL: oilers	CL: vanes wear checking	

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S
LC 300	250	290	290	442	601,5	436	285,5	60	86	135	253	205	182	654	76-80	Ø 90	95
LC 420	250	290	290	442	645	469	277,5	60	77	152,5	279	205	249,5	789	80-100	Ø 90	95
LC 580	300	340	400	456	645	469	281,5	60	77	152,5	279	210	212,5	827	80-100	Ø 90	95
LC 750	300	340	400	463	662,5	473	281,5	74	77	200	403,5	210	232,5	931	120	Ø104	110

	O HDR	P HDR
LC 300	428	970
LC 420	494	1098
LC 580	462	1141
LC 750	492	1192

Versions with gear box (540 -1000 RPM)



PUMP LUBRICATION	
CS: tank filling point	OL: oilers
HOUSING	
CL: vanes wear checking	
GEARBOX	
LM: oil level	CM: inlet plug
SM: outlet plug	

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T
LC 300	250	290	290	442	601,5	436	285,5	84	86	135	253	83	262	805	76-80	Ø 90	95	45
LC 420	250	290	290	442	645	469	277,5	84	77	152,5	279	83	331	934,5	80-100	Ø 90	95	45
LC 580	300	340	400	456	645	469	281,5	84	77	152,5	279	83	299	979	80-100	Ø 90	95	30
LC 750	300	340	400	463	662,5	473	281,5	81	77	200	403,5	93	319	1017,5	120	Ø104	110	30

2.2. Performances

PERFORMANCES			LC 300	LC 420	LC 580	LC 750
Rotation speed	LC...D	rpm	1300	1300	1200	1200
	LC...M	rpm	540 - 1000	540 - 1000	540 - 1000	540 - 1000
	LC...HDR	rpm	1300	1300	1200	1200
Air flow under free air condition (1)		l/min	8500	12000	16330	20000
		m³/h	510	720	980	1200
Air flow 60% vacuum rate		l/min	6415	9000	14500	16000
		m³/h	385	540	870	960
Air flow 80% vacuum rate		l/min	3450	4833	12180	13100
		m³/h	207	290	731	790
Max. vacuum at continuous duty (1)		%	80	80	80	80
Max. vacuum		%	92	92	95	95
Power required at max. vacuum		kW	14	18	17	20.5
Power required at 0.5 relative bar (1.5 abs.)		kW	12	16	29	27
Power required at 1.0 relative bar (2.0 abs.)		kW	17	24	35	35
Max. relative pressure (abs.)		bar	1 (2)	1 (2)	1 (2)	1 (2)
Air flow at 0.5 relative bar (1.5 abs.)		l/min	7500	10830	15500	19400
		m³/h	454	650	930	1160
Air flow at 1.0 relative bar (2,0 abs.)		l/min	7000	9830	14400	18300
		m³/h	420	590	864	1100
Oil consumption		g/h	200	220	240	250
Oil tank capacity		l	4	4	4	4
Sound pressure level (2)	Vacuum 60%	dB(A)	70	73	72	72
Sound pressure level (2)	Vacuum 90%	dB(A)	73	75	74	75
Circulating pump speed		rpm	2700	2700	2700	2700
Circulating flow rate		l/min	55	55	55	55
Heat exchange rate		Kcal/h	6000	8000	9500	13000
Mass moment of inertia		kgm²	0,15	0,21	0,37	0,81
Weight	LC...D	kg	195	210	232	308
	LC...M	kg	200	215	252	328
	LC...HDR	kg	205	220	247	323

REFERENCE CONDITIONS

Performances referred to vacuum pump operating at max. speed	Vacuum condition: atmospheric discharge
Actual performance may vary of 5%	Pressure condition: atmospheric suction
Conveyed gas: air	Reference abs. pressure: 1013 mbar
Reference temperature: 20°C	(1) : At nominal speed and room temperature 20°C (68°F)
Functioning in free air	(2) : At nominal speed. Distance: 7m in open field

FLOW / POWER		Data at nominal speed									
Model	Free port	Vacuum							Pressure (abs)		
		20%	40%	60%	70%	80%	90%	1,5 bar	1,8 bar	2,0 bar	
LC 300	m³/h	510	480	444	385	285	207	10	454	435	420
	l/min	8500	8000	7400	6420	4760	3450	190	7500	7250	7000
	kW	8	9	10	11	12	13	14	12	15	17
LC 420	m³/h	720	670	620	540	400	290	16	650	610	590
	l/min	12000	11170	10330	9000	6670	4833	270	10830	10170	9830
	kW	11	12	14	15	16	16,5	17	16	21	24
LC 580	m³/h	980	956	921	870	828	731	350	930	888	864
	l/min	16330	15930	15350	14500	13800	12180	5830	15500	14800	14400
	kW	25	22,5	21	20	19	18	17,5	29	33	35
LC 750	m³/h	1200	1134	1050	960	870	786	360	1164	1134	1100
	l/min	20000	18900	17500	16000	14500	13100	6000	19400	18900	18300
	kW	20.5	20.5	20.5	20.5	20.5	20.5	20.5	27	31.8	35

2.3. Noise power

Lw (A)					
Noise power of the only pump at nominal speed.		[dB(A)]			
RPM	VACUUM/PRESSURE	LC 300	LC 420	LC 580	LC 750
NOMINAL SPEED	vac 80%	89	91	90	91
	Δ press 0,6 bar	100	102	101	101

2.4. Usage limitations

Pump	Max. Speed – Operating speed (RPM)			P ₂ (bar ABS)	T ₂ (°C)	T ₂ - T ₁ (°C)
	M - 540	M - 1000	D - HDR			
LC300-LC420	540 – 460 rpm	1000 – 850 rpm	1300 – 1100 rpm	2,0 bar	150°C	130°C
LC580	540 – 460 rpm	1000 – 850 rpm	1200 – 1000 rpm	2,0 bar (*)	150°C	130°C
LC750	540 – 460 rpm	1000 – 850 rpm	1200 – 1000 rpm	2,0 bar (*)	150°C	130°C

P ₁ : absolute pressure during suction	T ₁ : temperature during suction	(*) : conditions not foreseen for continuous duty
P ₂ : absolute pressure during delivery	T ₂ : temperature during delivery	

Note: * for pump LC580 with belt drive: P₂ = 1,5 bar abs.

2.5. Lubrication

Recommended lubricants SIDE MOUNTED OIL TANK LEVEL: *mineral oil*

Room Temp.	Viscosity	ENI	ESSO	SHELL	TOTAL	MOBIL	BP	TEXACO	Q8
Sotto 10°C	ISO VG 46	Acer 46	Nuto 46	Morlina S2 B 46	Drosera MS 46	Nuto H 46	Bartran HV 46	Rando HD 46	Shubert 46
Sopra 10°C	ISO VG 150	Acer 150	Nuto 150	Morlina S2 B 150	Drosera MS 150	Nuto H 150	Bartran HV 150	Rando HD 150	Shubert 150

Note: use **SAE 15W-40** mineral oil as an alternative to the lubricants written above.

Recommended lubricants GEAR BOX OIL: *mineral oil EP*

Viscosity	ENI	ESSO	SHELL	TOTAL	MOBIL	BP	TEXACO	Q8
ISO VG 220	Blasia 220	Spartan EP 220	Omala oil 220	Carter EP 220	Mobilgear 630	Energol GR XP 220	Meropa 220	Goya 320


Note: use **SAE 80W-90** mineral oil as an alternative to the lubricants written above.

3. Safety and accident prevention

 **Attention: carefully apply these prescriptions.**

3.1. General recommendations


- When transporting the compressor use proper slinging. Store the compressor in stable places.
- Installation and maintenance must be carried out with the unit totally disengaged from its drive system and must be performed by qualified personnel.
- Use adequate clothing (avoid ties, loose sleeves, necklaces and so on) and suitable protection equipment (gloves, protection glasses, boots...).
- Before each maintenance operation, stop the pump and restore the atmospheric pressure.
- Make sure that all the parts of the unit are idle and cool, before performing any maintenance operation.
- To prevent errors and hazardous situations, establish what each operator is responsible for in the different maintenance operations.
- Do not start the machine if the protection devices provided for transmissions are removed. Replace damaged part.
- Final manufacturer must make the transmission inaccessible by means of a fixed guard or interlocked movable guard.
- Operators working nearby must avoid prolonged exposure to the noise emitted by the aspirator, if not equipped with the proper ear-protection devices (IPDs recommended: ear protectors).
- When the pump is running, some parts may reach very high temperatures (above 70°C). Use all necessary precautions to avoid contact.
- Avoid accidental suction of solids: solids may be projected at high speed through the exhaust manifold and cause injuries. A filter must be mounted on the suction line (Mesh 55).
- Pressure relief valve: point the air flux away from the operators.
- Do not use the aspirator over its designed limits: the machine may be damaged and the operator may be injured.

 **Do not exceed the power supply parameters indicated in the technical tables (see par. 2.3-2.5).**


- Based on the final use of the decompressor, the insertion in the housing machine and the typology of the same, the designer of the housing machine must apply safety signals (pictograms) to warn the operator on the risk still present. These pictograms essentially refer to three categories:
 - Signals prescribing the use of Individual Protection Devices (IPDs) such as, in this case, the use of gloves and ear protectors.
 - Signals indicating to pay particular attention to the dangers related to the machine's components, such as: risk of dragging in the transmission equipment and contact with hot surfaces.
 - Signals indicating specific parts of the machine for an easier identification, such as: greasing points, oil tanks, etc.

3.2. Intended use

- The vacuum pumps LC are designed to convey filtered air into systems for the vacuum production or for the suction of powders or liquid wastes. Any other usage shall be considered improper.
- Do not suck toxic substances and inflammable or explosive gasses, since the internal components of the pump may reach high temperatures.

 **Avoid suction of toxic (poisonous) explosive or flammable gasses because internal components may reach high temperatures.**

- Liquids or solids infiltrations can seriously damage the pump.

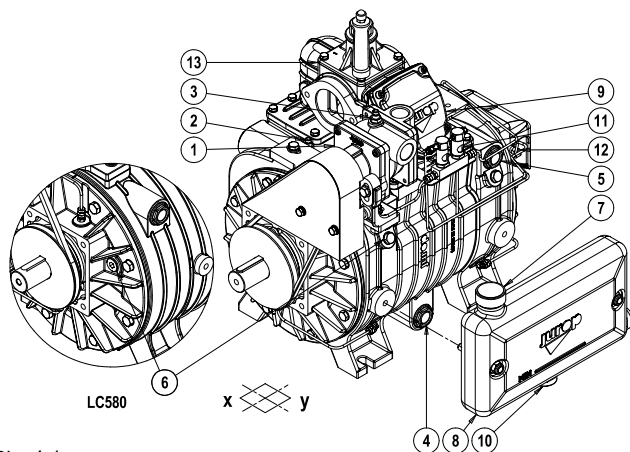
 **Attention: liquids or solids infiltrations can seriously damage the pump.**

- Do not run the pump over its designed operating limits (see par. 2.5): it may break and transmission can be damaged.

3.3. Conveyed fluids

- LC pumps are suitable for conveying filtered air. Before conveying other kind of gases, verify compatibility with pump's characteristics.
- The machine was not designed and built to operate in environments with potentially explosive atmosphere (outdoor or indoor).
- Please contact JUROP's Technical dept. if necessary.

4. Installation



Pic. 4.1

01	Water recycle pump	08	Lubricating oil tank
02	Venting valve on pump housing	09	Non return valve (clapet valve)
03	Venting valve on water recycle p.	10	Oil tank emptying port
04	Cooling water inlet	11	Oilers
05	Cooling water outlet	12	Self-lubricating pump
06	Vanes check-port	13	Vacuum / pressure change valve
07	Oil filling port		

4.1. Checking upon receipt

- When the goods are delivered, make sure that all parts listed on the delivery note are in perfect condition and have suffered no damage during shipping.

- Make sure the vacuum pump has its identification plate affixed on the front cover. Pumps without such identification are to be considered anonymous and potentially dangerous: in such an event, they must not be used, otherwise the manufacturer will be deemed free from any liability whatsoever.

4.2. Storing in the warehouse

- If the pump will not be installed inside a short time after delivery:
 - Remove the guards from the ports and spray a film of protective oil over the inner surfaces of the body, rotors and sides. Then attach again the guards;
 - Store in a closed and dry place. Renew the preserving oil periodically.
- To temporarily store a used pump, follow the instructions below:
 - Thoroughly clean the pump.
 - Equip the pump with suitable anti-corrosion protection.

4.3. Handling and installation

- Before each movement, verify that the lifting equipment has a suitable capacity (check the weight of the decompressor, possibly showed in this manual, in the paragraph 2.1).

- Do not lift the packaging or the machine when moving more than 50 cm from the ground. Proceed with the final lifting only near the installation point.

- Harness the machine with suitable straps / chains near the main body, paying attention to the position of the mass centre of gravity to ensure the load stability.



Warning: do not stand under the machine when it is lifted during the installation.

4.4. Mounting

- The pump must be assembled for an easy access for maintenance operations and secured rigidly to a frame or levelled base (max. 3° slant to the horizontal plane. See Fig. 4.1). The base must be such as to avoid vibrations, bending or deformation.

- Where possible, we recommend the use of vibration dampers between the support points of the machine and the base housing it.

- Leave enough space around the pump to allow the free circulation of air for cooling; avoid exposure to dirt and debris.

- Prepare the necessary space for an easy access to the lubrication check-points (tank level and gear box, oilers) and to the oil tank filling port, the four-way manifold handle, and the vane wear inspection ports.

- Provide for suitable manoeuvring spaces of the inverter lever. The control lever has two possible switching positions well defined by the latches and numbers reported on the fusion. It is directly connected to the internal diverter tang of the inverter, making it very intuitive: 90° of the lever switching corresponds to 90° of the inverter switching.

- Based on the functionality of the system which will house the decompressor, the designer of the end machine, must:

- Properly signal the functionality of the inverter according to the position of the manual operating lever or of the pneumatic actuator or of the hydraulic one.

- Install suitable pressure and / or vacuum restrainer valves near the inlet and outlet points of the machine.

- In case of LC with hydraulic motor, provide the necessary space to disassemble the motor itself and proceed with joint lubrication.

- In the event that the decompressor is electrically isolated, connect it to the ground or make it equipotential with the housing machine. Check that the paint does not prevent its passage.

- The machine expels gas during delivery at temperatures that can reach the maximum permitted values for operation, with its lubricating oil in suspension. Oil consumption is stated in paragraph 2.3, the quantity of consumed oil corresponds to the quantity of oil emitted at delivery.

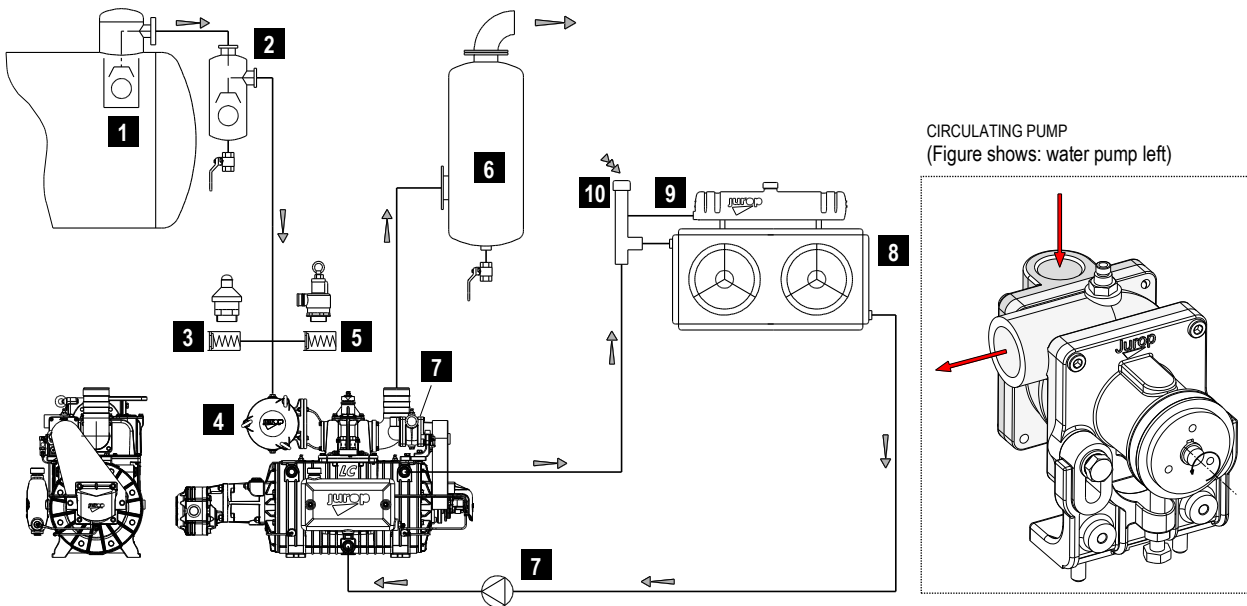
- The installer will have to provide an appropriate delivery oil separator (such as the JUROP cyclone silencer-oil separator supplied on request) and/or direct the flow to the drain in an area that is not at risk.

- The belt transmission guard of the coolant recirculation pump supplied by Jurop is partial and must be completed/integrated with the guard of the main transmission provided by the installer. If the transmissions are accessible by the operator, protect them with a fixed or interlocked guard and signal them with appropriate pictograms.

4.5. Vacuum - pressure line

- To avoid accidental suction of liquids inside the pump, install a primary (pos. 1) and a secondary flow shutoffs (pos. 2). If necessary, install also a suction filter (pos. 4) to protect from solids infiltration.
- The exhaust silencer (pos. 6) is designed to reduce the noise level and to separate the oil mist coming out from the pump outlet port. The separator must be periodically drained from oil and condensate accumulated in the separator during the normal pump functioning.
- The diameter of the vacuum/pressure line pipes must be properly dimensioned to the pump flow and, in any case, larger than the diameter of the ports.

- The pipes weight must not solicit the body of the pump. Use high temperature resistant rubber connections.
- Before mounting the vacuum line to the pump, remove the port protections. Pipes and all line components must be clean.
- Avoid restrictions and tight curves as much as possible if not strictly necessary.
- Exhaust pipes can reach high temperatures. Hence, they must be properly isolated.



Pic. 4.2

01 Primary shutoff	06 Silencer – oil separator
02 Secondary shutoff	07 Circulating pump
03 Vacuum relief valve	08 Air-water heat exchanger
04 Suction filter	09 Expansion tank
05 Overpressure safety valve	10 Exchanger inlet port

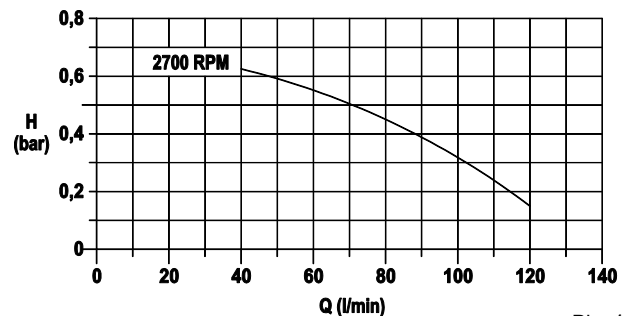
• Safety valves:

- Overpressure safety valve (pos. 5): mount it close to the pump. The valve flow must prevent the LC pump from exceeding the absolute pressure of 2.0 bars or the maximum pressure allowed by the system. Do not apply gate valves on the line;
- Vacuum control valve (pos. 6): install if necessary to limit the vacuum rate of the system.

4.6. Cooling system

- Please follow the outline on figure 4.2 to make the connection.
- The cooling system is composed of:
 - Centrifugal recycle pump;
 - Heat exchanger with electric fans operated by a thermostat;
 - Expansion tank with an atmospheric pressure vent system.

- The heat exchanger must dissipate the heat power indicated in par. 2.3. The Fig. 4.3 shows the characteristic curve “Flow – Head” of the recycle pump.
- The circuit shall be vented to ambient pressure.
- Fill the system by venting any air pockets.
- The cooling liquid temperature must not exceed 60° C. The airflow generated by the exchanger fans must be kept free of obstacles.
- We recommend using a mixture of water and glycol (min 30%) as coolant and, in any case, in percentage compatible with the expected minimum temperatures to which the system will be subjected.
- In the event of draining and replacing the coolant, dispose of it according to the regulations in force.

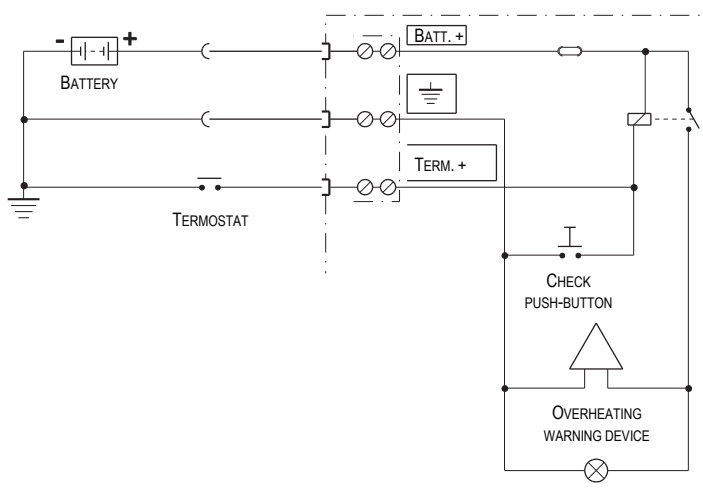


Pic. 4.3

4.7. Overheating alarm (optional)

- The vacuum pump can be equipped at the request of thermostat sensor.
- Overheating alarm is strongly recommended in the following cases:
 - Operations close to the use limits.
 - Under pressure operations.
 - Not well defined or monitored operation conditions.
- The alarm (available upon request) is composed of a blinking light and a warning buzzer that have to be connected to the thermostat (sensor). It is available at 12V or 24V.
 - Consider the thermostat characteristics (See Fig. 4.4).
 - Voltage from 6V to 24V with CC, from 6V to 12V with AC.
 - Maximum power: 3W.
 - When threshold temperature is reached the alarm system is enabled and a gate valve (along vacuum line) is opened.
 - It has to be mounted in a protected position in order to keep it free from water and other damaging media. Prepare the necessary connections for the electrical feeding.
 - If the box supplied as an accessory is not used, make a check circuit as illustrated in Fig. 4.4.
 - Overheating can seize the vacuum pump, causing a damage also in the drive line. Stop the pump for cooling or drive it at free ports conditions (with the suction valves fully opened) to let it cool down properly. The pump can be again operated only when the alarm is turned off after cooling.
 - Check the muffler cleanliness. Obstructions may cause overheating.

Attention: overheating can seize the vacuum pump, causing a damage also in the drive line.



Pic. 4.4

4.8. Vacuum-pressure inverter: remote control actuators

- A specific design of the vacuum-pressure diverter available on request enables the application of a pneumatic or hydraulic angular actuator (90°).
- See the exploded view at the end of the manual for spare parts.

		Pneumatic actuator	Hydraulic actuator
Fluid		Filtered, dried compressed air	Hydraulic oil ISO-L-HM
Filtration		ISO 8573-1 classe 4 (15 micron)	ISO 4406 21/19/16
Temperature	°C	-20 ÷ +80	-20 ÷ +80
Rated pressure	bar	5.6	150
Maximum pressure	bar	8.4	200
Supply holes		G 1/4	G 1/8

Hydraulic actuator installation

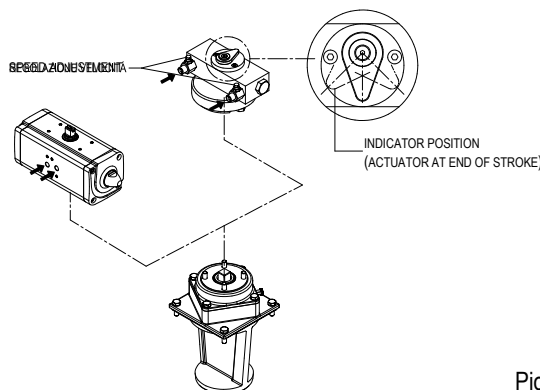
- Adjust movement speed using the two built-in valves.
- Use a closed-centre distributor or apply a block valve.

Pneumatic actuator installation

- Adjust movement speed by applying two unidirectional flow control valves.

For both actuators

- Adjust speed: full rotation should not take less than 1 second.
- Fluid filtration: ensure a level equal to or greater than the recommended value.
- In the event of a (hydraulic or pneumatic) supply failure, the suction unit inverter will remain in the same position it was when the failure occurred.

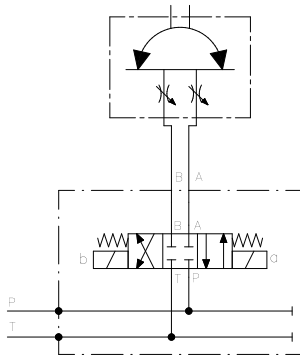


Pic. 4.5

Maintenance

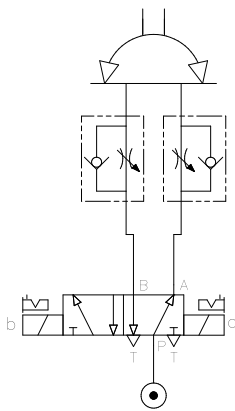
- The diverter is adjusted before shipment and does not usually require further adjustments.
- Diverter lubrication:
 - Use NLGI 2 Lithium grease. Quantity: 80-100 grams for 1000 working cycles.
 - A bleeder hole covered by a filter is preventing the hole to overflow. Clean the filter whenever clogged.
- Hydraulic actuator: the control valves are equipped with an internal metal filter. Disassemble and clean if movement stops.
- Pneumatic actuator: for non-dried air, use temperature 0 ÷ +80°C.

• The following figure shows a possible schematic view of a correct hydraulic connection.



Pic. 4.6

• The following figure shows a possible schematic view of a pneumatic connection.



Pic. 4.7

• In case of interruption of the pneumatic or hydraulic supply, the inverter of the suction unit remains in the same position it was when the failure occurred.

4.9. Pump mounting - Drive connection

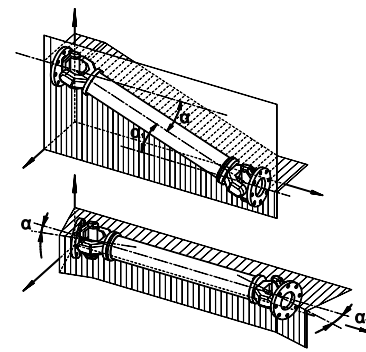
• For the machines of this series, the allowed power transmissions are:

- Direct transmission (e.g.: from agricultural cardan shaft);
- Oil hydraulic transmission (e.g.: hydraulic motor).

• Protect with a fixed or interlocked guard and signal with pictograms the power transmission chosen and applied by the final installer, if there is the possibility that the operator will come into contact during handling.

A) Cardan shaft drive

- Use telescopic cardan shafts.
- In order to achieve a uniform motion of the driven shaft, the following requirements must be met (see Fig. 4.6):
 - Equal working angle α and α_1 of both couplings.
 - The internal fork joints must be coplanar.
 - Both driven and driving shafts must be coplanar.



Pic. 4.8

• It is also recommended working with limited articulated joint angles (max 15° at 1000 rpm and max 11° at 1300 rpm) and disengaging the transmission for those operations requiring great angles (steering or lifting).

Follow the rotation direction as indicated on the front flange. Follow the instructions of the cardan shaft's manufacturer.

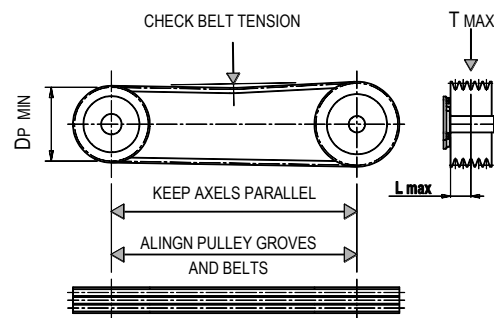
• Use the cardan guard supplied with the pump, by fixing it to the pump itself.

Use the cardan guard supplied with the pump, by fixing it to the pump itself. In any case, the installation, by the final installer, must comply with the current EC accident prevention regulations and must be compatible with the geometry of the protection cap supplied with the machine.

• The protection must not be removed; in case of removal, it is the responsibility of the final installer to provide for suitable guards according to the assembly.

• It is the responsibility of the final installer to provide for suitable guards, in presence of transmission shafts exposed during normal operation.

B) Belt drive



Pic.4.9

• Install a suitable pulley on the smooth shaft as close as possible to the pump: max 35 mm.

• Apply an adequate belt tension (see manufacturer's data). Max 3000N.

• Do not use driven or driving pulleys with a pitch diameter inferior to 180 mm. Small pulleys require a high belt tension which may cause premature wear to the bearing or transmission troubleshooting.

- A limited speed ratio allows a longer belts life while reducing stress on the shafts. When possible, prefer:
 - Pulleys with a pitch diameter bigger than the one indicated;
 - Motors or power take-offs with a speed similar to the one of the pump.

	LC 300-420	LC 580-750
Max. Speed	1300 rpm	1200 rpm
Max. Pressure	2 bar abs	1,5 bar abs
T. Max.	3000 N	3500 N
Drive min. pulley p. diam	180 mm	180 mm
Grooves	3	3
Belts	SPB	XPB

C) Hydraulic drive

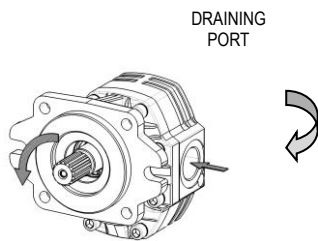
	LC 300	LC 420	LC 580-750
Displacement	61 cc/rev	72 cc/rev	108 cc/rev
Operating pressure (max. vac.)	125 bar	135 bar	140 bar
Operating pressure (1 rel. bar)	150 bar	175 bar	190 bar
Flow	83 l/min	98 l/min	136 l/min
Max pressure draining line	5 bar	5 bar	5 bar
Max. pressure motor exhaust	5 bar	5 bar	5 bar
Max pressure	200 bar	200 bar	220 bar

- **Fluid:** mineral oil for hydraulic systems in compliance with ISO/DIN.

Temperature	Optimum viscosity ale	Max. viscosity allowed
-20 / +80 °C	12 – 100 cSt	750 cSt

- **Filtration:** class 19/16 contamination according to ISO 4406 to be obtained with a $\beta_x = 75$ filter.

- **Check circuit connections:** they must be applied in the same rotation direction as that indicated by the arrow on the pump front flange.



Pic. 4.10

- **Draining:** connect directly to the tank above the maximum oil level. Operating without draining line may damage the motor.

- **Distributor:** open-centre distributor in central idle position (vacuum pump off). It must be equipped with an adjustable overpressure safety valve.

- **Motor pipeline:** outlet pipe must not be of a smaller diameter than that of the inlet port. Inlet pipes always have a diameter smaller than outlet pipes. Choose preferably flexible pipes to avoid vibration transmission.

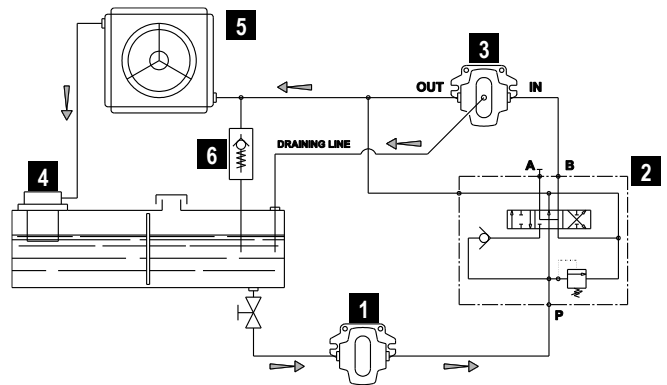
- **Tank:** with suction pipe and return separated by baffles. If necessary, use a heat exchanger to avoid oil heating above 70-80°C and protect it from extreme pressure with a pressure relief valve. Minimum approximate capacity: as twice as the circulation flow.

- **Starting-up:** be sure that the system is well cleaned and pour oil into the tank and into the motor housing (necessary to lubricate the internal bearings).

- Vent the circuit and adjust the overpressure safety valve to the lowest possible value.

- Check the oil tank level.

- Increase pressure and rotation speed until operating values are reached.



Pic. 4.11

1	Hdr pump	4	Oil filter
2	Distributor	5 *	Heat exchanger
3	Hdr motor	6 *	Safety valve

* optional components

- The machine/system manufacturer is responsible for dimensioning the lines.



The machine/system manufacturer is responsible for dimensioning the lines.

5. Start up

5.1. Starting-up of the pump


Lubrication

- Check oil levels in gearbox and side mounted tank.
- Check the oil level in the gear box (if the pump is provided with it).
- In order to choose the most suitable oil, see paragraph 2.6.

Cooling

- Unscrew the vent valves on the housing and recycling pump, pour the cooling fluid through the port near the exchanger.
- Screw the vent valves and start running the cooling system in order to expel the air bubbles inside it. Then, adjust the level by filling up the expansion tank on the exchanger: it must be half filled (approximately).

• The cooling system we designed has a capacity of 25-30 litres. Use a mixture of demineralised water and antifreeze liquid at a concentration suitable to room temperature (usually between 25 and 50%).


 **Carefully vent the cooling circuit with the recycling pump stopped.**

Vacuum line


- Open all valves of the vacuum-pressure system.
- Open all gate valves and remove any possible obstacle from the line.

5.2. Precautions when starting the system

- Check oil levels in gearbox and side mounted tank.
- Check that all protection devices are correctly installed.
- Check that there are no obstacles in the vacuum line.
- Check rotation direction: open all system valves and start running slowly.

 **Do not rotate in the wrong direction: this may damage the vacuum pump. Follow the arrow indicated on the front flange.**

- Check which position of the four-way integrated valve lever allows vacuum or pressure functioning.
- Close the valve and increase vacuum rate (or operating pressure).
- Check that the lubricating pump works properly. Oil must regularly drip into the oilers. Typically (with degree of vacuum > 50%), **35-40 drops/min** (at maximum speed).
- Check loading and operating speed for vibrations or unusual noises.


 **This vacuum pump is designed to work at maximum speed, but for longer operating we recommend the pump be run at working speed (see par. 2.5).**

- Prepare adequately transmission.

5.3. Operating precautions


- Run the vacuum pump at a room temperature of -20°C e +40°C.
- Do not make the vacuum pump overheat: maximum air temperature on exhaust (or delivery) side: 150°C.
- Do not operate the pump without lubrication: it may cause quick wear and possible breakdown of vanes.
- Do not start running the pump under load: this may damage the drive system or the hydraulic motor.
- Check the rotation speed: it must never exceed the operating limits.
- Do not accidentally operate the pump in the wrong direction: it may break the vanes.
- Do not convey the exceeding delivery outlet towards the suction port, otherwise it will suck warm gas.

- Do not convey the exceeding delivery outlet towards the suction port, otherwise it will suck warm gas.
- Control the air flow by adjusting the rotation speed: do not use the pressure relief valve to discharge the exceeding flow.
- Once the needed vacuum rate has been reached, we recommend reducing the vacuum pump speed to its working speed (see par. 2.5): this allows keeping the achieved vacuum/pressure rate constant. The pump speed can also be reduced to values lower than the working speed during the tank discharging phase (with the 4-way valve in pressure mode) without increasing the draining time.
- Thus, exhaust temperature is reduced, vane durability is increased and both oil consumption and power absorption are reduced.


 **Once the needed vacuum rate has been reached, we recommend reducing the vacuum pump speed to its working speed.**

• After operation in dusty environments, after accidental sucking of liquids inside the pump or before a long inoperativity period it is recommended to wash the pump inside according to the following procedure:

1. Before washing the pump, be sure that it has cooled down. To obtain this in a short time, it is possible to run the pump for a few minutes at zero vacuum conditions, or stop it at all;

 **Attention: Do not carry out this operation on very hot pumps (for example after a working day) until they have cooled down.**

2. Use 1-2 liters of water mixed with a non-flammable detergent. We suggest some product like Henkel Bonderite C-NE 5225: 5% concentration in water. This detergent grants a good protection against rust and oxidation.
3. Use one of the openings placed in the vacuum line (closest on the pump) to suck some water mixed with detergent.
4. Start the pump at low speed leaving opened all the suction valves in the tank, in order to keep low the vacuum rate (max vac. 10-20%). Let the detergent mix entering the pump very slowly.
5. The detergent mix stays suspended in the pump inside, before being expelled through the exhaust silencer.
6. After keeping the pump speed for a while to make the product reaching the internal parts, it is necessary to dry the pump preventing oxidation. When the detergent mix is finished, continue running the pump at the lowest possible vacuum rate for a few minutes, then close venting and suction valves up to 50-60% maximum, for a couple of minutes. With this operation the pump will dry from the heated air and protected from the chemical attack of the detergent.
7. Washing the pump with this detergent guarantees a protection after some days of inoperativity. If the pump is not used for more than two weeks, after having washed and dried the inner parts as described above, it is recommended to suck slowly 200 cc anti-rust and water-repellent protective oil (or, if not available, a very fluid gear oil).

 **Attention: do not carry out also this operation on very hot pumps (for example after a working day) until they have cooled down.**

Dispose of used oil in accordance with the current regulations.

In case the exhaust line cannot be disconnected, drain the liquids accumulated in the separator of the exhaust silencer.

- After long periods of inactivity, introduce some quantity of oil through the suction connection before starting the pump.

Recommended operation in case of temperatures close or below 0°C degrees.

- If the decompressor operates in vacuum or under pressure with a capacity environment (such as a cistern) and is configured in the “FL” flanged version (without manifold with 4-way valve and non-return vale), it is advisable to intercept the working line of the machine when it is stopped, to prevent contrary rotations until the rebalancing of the pressures. The interception can take place through a controlled valve or an automatic unidirectional valve (swing valve).

6. Maintenance

6.1. Ordinary maintenance

- Any interventions must be performed when the machine is cold, stopped and switched off.
- Installation and maintenance must be operated only by qualified personnel wearing the proper clothes and the necessary tools as well as protection devices.
- Use suitable protection equipment (gloves, protection glasses, boots...)
- In the following table summarizes the main controls to be performed and the frequency of intervention.

Operating condition	Maintenance Area	Check	8H	50H	500H	1500H
OPERATING	Vacuum line	Check pressure relief valve condition				
		Operating pressure				
	Transmission / Pump	Rotation speed				
		Lubrication: dripping into oilers				
		Sound pressure level				
STANDSTILL	Vacuum line	Clean filter and vacuum line shutoff				
		4-way changeover valve: check and lubricate				
		Drain the oil gathered in the exhaust separator				
	Pump	Clean oilers glasses				
		Check vanes wear				
		Side mounted tank oil level				
		Gear box oil level				
		Gear box oil change (1)				
		Cooling system venting				
		Pump's inner washing (2)				
	Overall	Greasing				
		Check cardan shaft drive				
		Chack transmission pulley				
		Cooling water pump belts tensioning				
		Swing valve wear check				

(1) In order to choose the most suitable oil, see paragraph 2.6. (2) After operation in dusty environments, after accidental sucking of liquids inside the pump or before a long inoperativity period it is recommended to wash the pump inside according to the procedure described at paragraph 5.2.

Oil level in tank check

- Check dripping into the oilers.
- Be sure it is regular (about 40 drops/min at max. speed, with degree of vacuum > 50%) to grant a correct lubrication of the pump. At lower speeds, the number of drops must be directly proportional.

If the pump is run without lubrication, the internal components may quickly damaged due to overheating. Stop the vacuum pump and check the oil level and the lubricating pump.

Checking the side mounted oil tank level

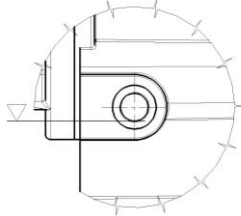
- Before starting the machine, check the lubricating oil level.
- Do not run the pump with oil level under the minimum level: that may lead to dry functioning and cause serious damages.
- See paragraph 2.3 for the oil consumption of each model.
- Top up with fresh and clean oil only; use the oil required in paragraph 2.6 or equivalent.
- The oil must be topped-up with the machine stopped and cold.

Do not re-use the exhausted oil gathered on the bottom of the exhaust silencer.

- Apply the safety requirements indicated in chapter “Safety and accident prevention” before topping-up.
- Tank capacity: 4l.

Check the oil level in the gearbox

- The oil must be topped-up with the machine stopped and cold.
- Apply the safety requirements indicated in chapter “Safety and accident prevention” before topping-up.
- The oil level in the gearbox must reach the side discharge hole.



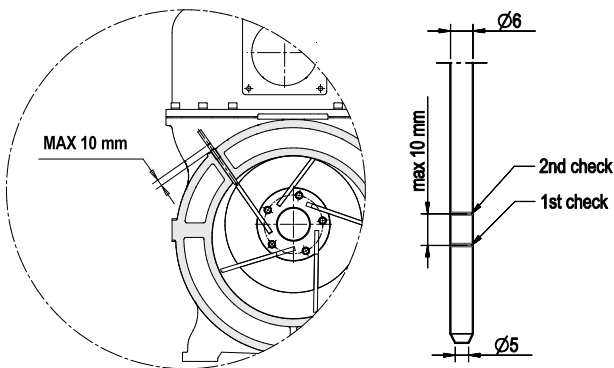
- For the replacement, drain the oil from the gearbox through the lower discharge plug and top-up through the upper filling plug until it comes out of the side discharge hole.

Dispose of exhausted oil as provided by current specification.

- See the table in paragraph 6.1 for the frequency with which to replace the oil.
- Top up with fresh and clean oil only; use the oil required in paragraph 2.6 or equivalent.
- During the oil replacement, also replace the discharge plug washer.

Checking the vanes wear LC 300-420-750

- Unscrew the vanes wear check-plug on the housing (pos. CL).
- Turn the shaft until you see the vane.
- The vanes should slide to the bottom of the seat due to gravity: check they really do.
- Insert a rod of 6 mm Ø with its conic end towards the pump (rod supplied with pump).
- Turn the shift manually and touch the outside diameter of the rotor with the checking rod, mark it a first time. Keep turning the shift till the rod falls inside a vane groove. Mark it again and measure the gap between the two marks.



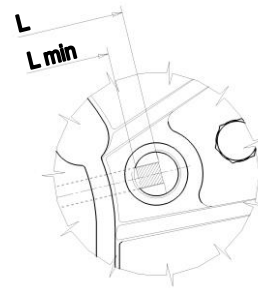
Pic. 6.1

- If this gap exceeds 10 mm, then the vanes must be replaced.
- At the end of this procedure, do not forget to replace the plug.
- Replace all vanes at the same time.

Replace the vanes when their wear exceeds 10 mm (L – L min): they may break. Replace all vanes at the same time.

Checking the vanes wear LC580

- Unscrew the vanes wear check-plug on the front flange (pos. CL).
- Turn the shaft until you see the vane.
- The vanes should slide to the bottom of the seat due to gravity: check they really do.
- Replace the vanes when their wear exceeds 10 m/m (L – L min): they may break.
- At the end of this procedure, do not forget to replace the plug.
- Replace all vanes at the same time.



Pic. 6.2

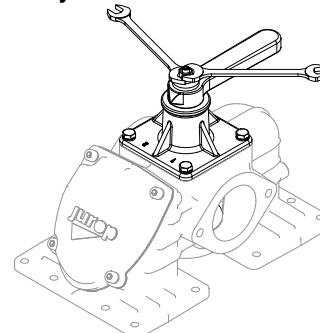
Replace the vanes when their wear exceeds 10 m/m (L – L min): they may break. Replace all vanes at the same time.

6.2. Extraordinary maintenance

- Except for the cases described below, extraordinary maintenance on a LC must be carried out by specialized personnel only; otherwise the guarantee will be invalidated.
- All extraordinary maintenance interventions must be carried out when the machine is cold, stopped and switched off. Implement the safety instructions reported in the “Safety and accident prevention” Chapter, before performing any maintenance operation.

Follow the safety prescriptions as described in Cap. “Safety and accident prevention”.

Adjusting the 4-way valve



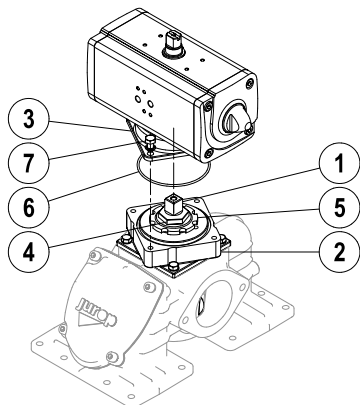
Pic. 6.3

- For pumps equipped with handle for manual operation or hydraulic actuator.
- Adjust the screws to avoid the valve blocking in its seat (see Fig. 6.3).



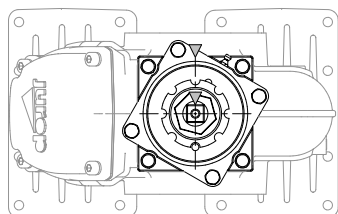
Attention: do not exceed with the adjustment: possible vacuum loss.

Adjusting the pneumatically operated 4-way valve

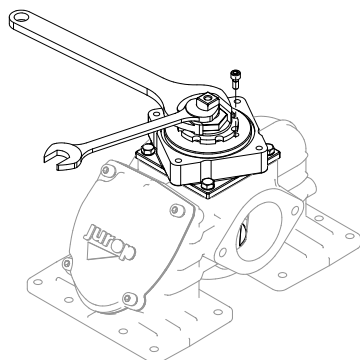


Pic. 6.4

- In case of reduced performance or difficult rotation of the valve in its seat, it is necessary to adjust the operating play.
- Unscrew the 4 screws M8x16 which fasten the top cover (7) to the inferior support (2).
- Clean the inner part from the lubricant.
- "Mark" the initial position of the cock (1). When mounting the cock back in place, it must be in the same position.

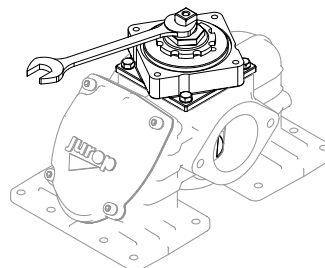


- Turn the valve until one of the cock regulation ferrules (5) coincides with one of the threaded holes on the inferior flange (2). Block temporarily the nut ferrule with a screw.
- Hold the valve in place with a 17 mm spanner and loosen the nut (4) over the ferrule by $\frac{1}{2}$ - $\frac{3}{4}$ turn with a 36 mm spanner.



Pic. 6.5

- Valve adjustment: turn the valve clockwise by $\frac{1}{8}$ turn (45°) in order to lower it (in case of excessive play between the valve and its seat and of reduced performance) or anticlockwise by $\frac{1}{8}$ turn (45°) to raise it (in case of difficult rotation of the valve in its seat).
- Hold the valve in place with the spanner and fasten the nut (P4) above the ferrule.
- Remove the screw which temporarily blocks the ferrule and check for the correct rotation of the valve by adjusting the shaft frame. Repeat the valve adjustment, if necessary.

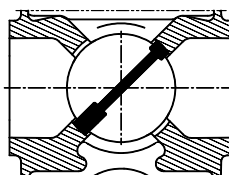


Pic. 6.5

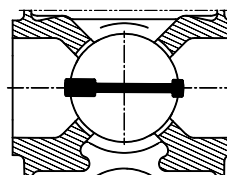


Attenzione: get the valve back into the previously "marked" position. Otherwise, the valve may work improperly.

- The valve - in both its end stroke positions - must separate the air flow sucked from the pump outlet air. The pump may be started in order to check for the proper functioning.



CORRECT POSITION

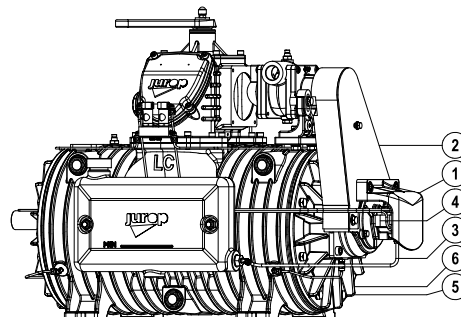


POSITION INCORRECT

- Lubricate the areas near the ferrule in order to guarantee the lubrication of parts undergoing wear.
- Set the top cover back into place. Do not forget the OR-Ring (6). Fasten the 4 screws.

Replacing the vanes

- Remove the vacuum pump from its bearing frame and wash it before disassembling.

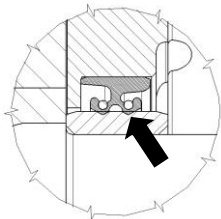


Pic. 6.7

- Drain the cooling liquid from the pump housing.
- Remove the water pump cover (1) and the carter (2).
- Disconnect lubricating pipes (3).
- Remove the lubricating pump (4).

- Remove the screws (5) fixing the rear flange (6) and use the two threaded holes to remove the flange – bearing – seal housing. If necessary, hold the rotor by inserting a wooden block, protecting the internal bearings from damage.
- Remove the bearing from the rear flange and replace the seal if broken.
- Lubricate with oil the new vanes before inserting those inside each groove of the rotor.
- Reinstall all the components in the following order: rear flange, seal ring, bearing, compensation ring, gasket and flange with lubricating pump (we recommend to fit correctly the pivot-key on the shaft groove).
- Tighten the nuts (pos. F) by means of a dynamometric wrench adjusted at 88 Nm.
- Refill the cooling system and re-install the pipeline.

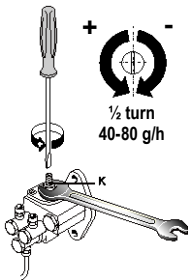
Do not damage components during assembly by forcing them exceedingly.



- Do not flip the seal ring during rotation of the shaft. Do not leave foreign objects inside the pump.

Adjusting the self-lubricating pump

- The automatic lubricating pump is adjusted by the manufacturer before the shipping.



Pic. 6.8

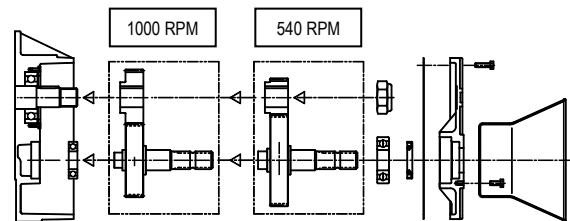
- If consumption noticeably differs from the indicated value, adjust it as follows:
 - Remove the upper protection cover;
 - Using a screwdriver and a 10 mm wrench, adjust the adjusting screw (K). Close the nut and remount the upper protection cover;
 - It is advisable to turn the screw of 1/4 of turn and verify the actual consumption.

Do not reduce oil consumption below the value indicated in par. 2.3 (for functioning at speeds different from the maximum, flow is proportionate to rotating speed).

- 1/2 turn of the adjusting screw causes a variation in the flow of approximately 40 - 80 g/h, depending on using conditions.

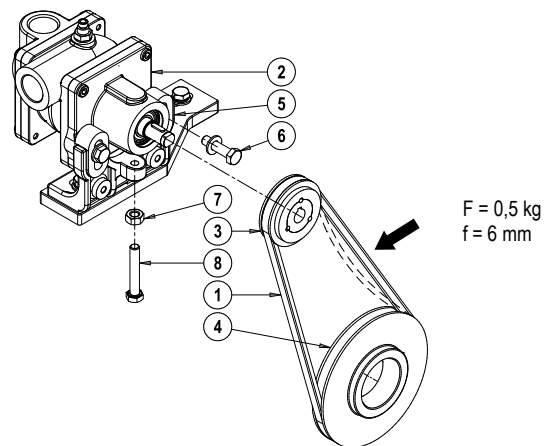
Replacing gear box components

- The pump with a 540 rpm gear box can be transformed into a pump with a 1000 rpm gear box (and vice versa):
 - Take down the gear box as illustrated. Remove also the drive shaft's pinion;
 - Install the new pinion closing the nut;
 - Mount the gear wheel including bearings and seals on the front cover, properly aligning components. This housing may now be installed in the gear box: fit the bearing in the internal housing on the flange;
 - Properly engage gears, replace the cover's gaskets to complete gear replacement. Insert the parallel pin, which maintains the correct alignment;
- See picture below.



Cooling water pump belt tensioning

- To correctly tension the belt (1), after checking the alignment of the two pulleys (3-4), loosen the screws (6) and the hexagon nut (7).
- Adjust the screw (8) that acts on the recirculation pump movement (2) along the vertical axis.
- Once the belt is correctly tensioned (1), tighten the nut (7) and screws (6).
- See the exploded view at the end of the manual for spare parts.



Pic. 6.9

7. Malfunctions: troubleshooting

PROBLEMS

THE VACUUM PUMP OVERHEATS	
Cause	Solution
• Insufficient or absent lubrication	• Verify oil and rings. Check oil pump efficiency
• Low tank oil level	• Fill tank with oil
• Excessive rotation speed	• Reduce rpm to the prescribed working speed
• Prolonged functioning at max vacuum rate	• Reduce vacuum rate
• Insufficient cooling	• Check oil pump efficiency. Bleed the system with care. Check heat exchanger efficiency
• Vacuum and/or exhaust line of insufficient diameter	• Check dimensioning

THE VACUUM PUMP DOES NOT ROTATE	
Cause	Solution
• Broken vanes: - due to infiltrated solids - due to insufficient lubrication	• Clean inner chambers, replace vanes • Check the secondary shutoff and filters of the suction line • Check the oil pump
• Power transmission breakdown	• Check and replace the damaged parts
• Ice inside the pump (during the cold season)	• Remove ice and slowly start running it. Avoid suction of water

REDUCED PERFORMANCES	
Cause	Solution
• Four way changeover valve in idle position	• Move the lever to vacuum or pressure mode end stroke
• Four way changeover valve not correctly registered	• Adjust the functioning play and lubricate
• Worn vanes	• Replace vanes
• The non-return valve leaks	• Clean or replace if necessary
• Worn seal rings	• Replace
• Tank gate valves or gaskets leak	• Replace damaged or worn parts
• Tank connection pipes leak or are obstructed	• Replace damaged pipes
• Obstructed primary shutoff or suction filter	• Remove and clean
• Encrusted exhaust port	• Remove and clean
• Vacuum line components are too small dimensioned	• Verify dimensions for pump maximum performances
• Obstructed rubber couplings	• Replace

UNUSUAL OIL CONSUMPTION	
Cause	Solution
• Insufficient or absent lubrication	• Check and adjust the lubricating pump

8. Scrapping

- Recycling materials allow reducing the environmental impact and respecting the environment.
- Before scrapping the machine, the following materials need to be separated and suitably disposed of:

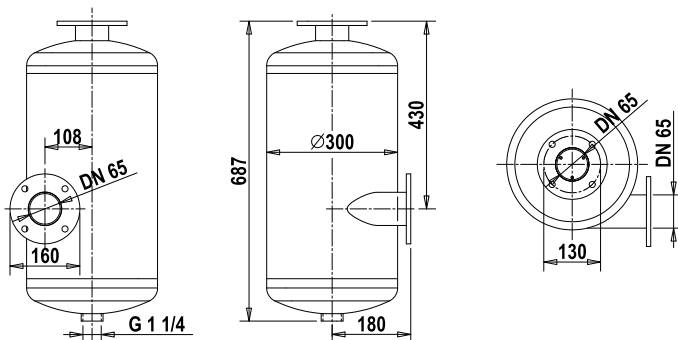


Do not dispose of in the environment. Dispose of in compliance with the standards in force.

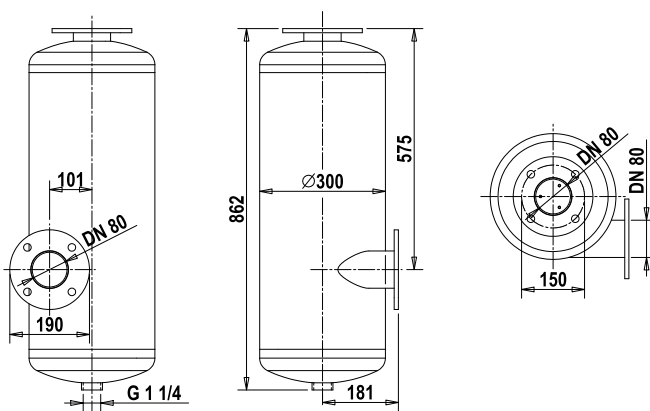
Material	Cast Iron	Steel	Alluminum	Copper	Bronze	Rubber	Vane	Oil	Gasket	Plastic
LC 300	83,1 %	12,4 %	0,7 %	0,2 %	0,2 %	0,1 %	0,6 %	2,1 %	0,1 %	0,4 %
LC 420	89,0 %	8,0 %	0,6 %	0,2 %	0,1 %	0,1 %	0,8 %	0,5 %	0,4 %	0,2 %
LC 580	88,0 %	9,0 %	0,5 %	0,2 %	0,1 %	0,1 %	0,9 %	0,4 %	0,4 %	0,2 %
LC 750	93,0 %	5,0 %	0,4 %	0,2 %	0,1 %	0,1 %	0,6 %	0,3 %	0,3 %	0,2 %

9. Accessoires

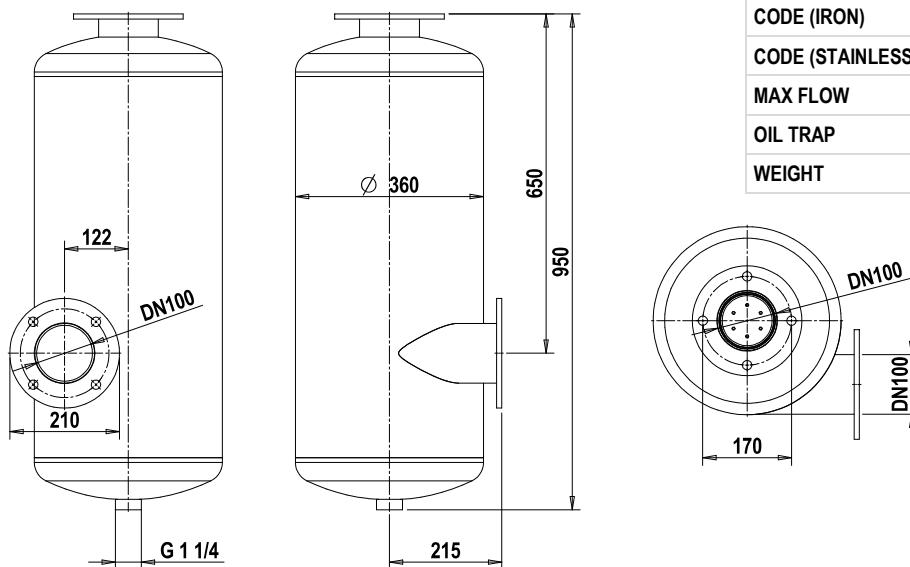
Silencers / Oil separators



MODEL	LC 300
TYPE	DISCHARGE
CODE	15470 043 00
MAX FLOW	540 m ³ /h
OIL TRAP	3,8 l
WEIGHT	27 kg



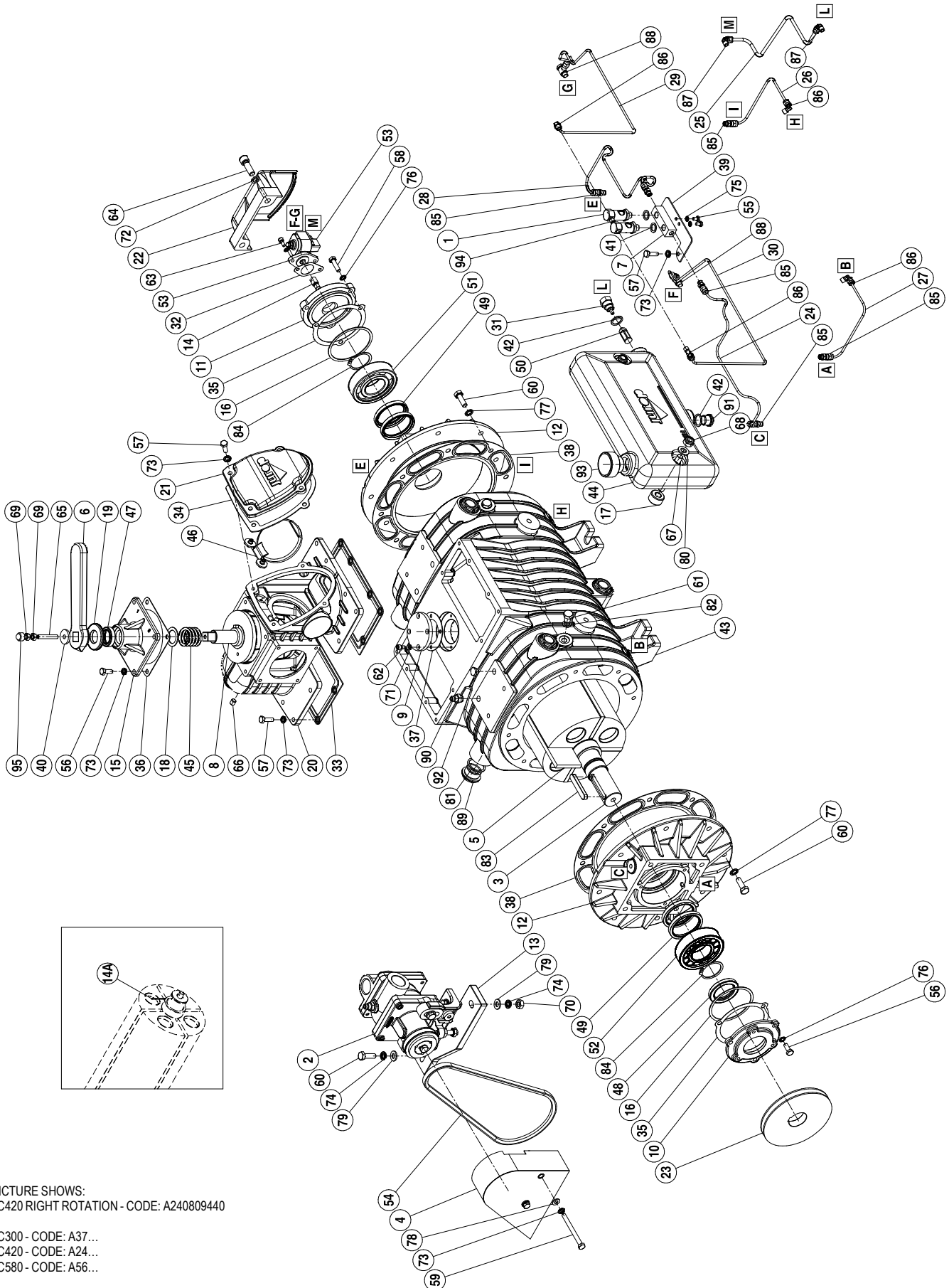
MODEL	LC 420 – 580
TYPE	DISCHARGE
CODE	15470 D2C B0
MAX FLOW	912 m ³ /h
OIL TRAP	4,4 l
WEIGHT	35 kg



MODEL	LC 750
TYPE	DISCHARGE
CODE (IRON)	15470 014 00
CODE (STAINLESS STEEL)	15470 019 00
MAX FLOW	1250 m ³ /h
OIL TRAP	5 l
WEIGHT	48 kg

Note: Direct the silencer discharge output away from the silencer suction inlet in order to prevent the input of hot fluids into the injection inlet.

LC 300-420-580 DIRECT TRANSMISSION



PICTURE SHOWS:
LC420 RIGHT ROTATION - CODE: A240809440

LC300 - CODE: A37...
LC420 - CODE: A24...
LC580 - CODE: A56...

LC 300 DIRECT TRANSMISSION

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	49	4022200416	Y-SEAL 60X75X8	4
2	1407200800	WATER PUMP RIGHT (LC D RIGHT)	1	50	4022300001	OIL FILTER	1
	1407200900	WATER PUMP LEFT (LC D LEFT)	1	51	4023100047	BEARING 6309 C3	1
3	1521506500	ROTOR LC300 D	1	52	4023110051	BEARING NU 309 ECJ/C3	1
	1521506400	ROTOR LC300 D USA	1	53	4024251000	OIL PUMP CW ROTATION (LC D R)	1
4	15420DAXB0	BELT PROTECTION LC D RIGHT	1		4024251500	OIL PUMP CCW ROTATION (LC D L)	1
	15420DAWB0	BELT PROTECTION LC D LEFT	1	54	4025350021	BELT SPZ 975	1
5	1601606400	VANE LC 300	4	55	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
6	1605500000	HANDLE	1	56	4026102806	SCREW TE 8.8 M8X20 ZINC.	7
7	1608100000	DISTRIBUTOR	1	57	4026102807	SCREW TE 8.8 M8X25 ZINC.	12
8	1608501700	CONVEYOR	1	58	4026102808	SCREW TE 8.8 M8X30 ZINC.	3
9	1610051700	FLANGE	1	59	4026102819	SCREW TE 8.8 M8X90 ZINC.	2
10	1610508200	FLANGE	1	60	4026102908	SCREW TE 8.8 M10X30 ZINC.	18
11	1610512900	OIL PUMP FLANGE	1	61	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
12	1610513500	FLANGE	2	62	4026121303	SCREW TCEI 8,8 M6X12 ZINC.	4
13	1612033500	PUMP SUPPORT	1	63	4026121304	SCREW TCEI 8,8 M6X14 ZINC.	2
14	1622002600	SHAFT M10	1	64	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	2
14A	4026414617	PIN 3X40 (LC LEFT ROTATION)	1	65	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
15	1623100000	CONVEYOR FLANGE	1	66	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
16	1624037700	SPACER	2	67	4026171211	STUD SCREW 8,8 M12X80 ZINC.	2
17	1624042800	SPACER	2	68	4026305618	SELF-LOCKING NUT M12 ZINC.	2
18	162409YKB0	SPACER	1	69	4026308005	NUT M8 ZINC.	2
19	1624202300	4 WAYS SPACER	1	70	4026308006	NUT M10 ZINC.	2
20	16275014E0	MANIFOLD	1	71	4026350503	WASHER GROWER M6	4
21	16401098E0	CLAPET COVER	1	72	4026350508	WASHER GROWER M12	2
22	1642100200	REAR PROTECTION	1	73	4026350706	WASHER GROWER M8	18
23	165351TXB0	DRIVEN PULLEY	1	74	4026350708	WASHER GROWER M10	4
24	16630D5SB0	LUBRICATION LINE FRONT FLANGE R	1	75	4026351504	WASHER M6	4
25	16630D5MB0	LUBRICATION LINE OIL TANK R	1	76	4026351505	WASHER M8	6
	16630D5IB0	LUBRICATION LINE OIL TANK R USA	1	77	4026351506	WASHER M10	16
	16630D5PB0	LUBRICATION LINE OIL TANK L	1	78	4026357005	WASHER M8	2
	16630D5IB0	LUBRICATION LINE OIL TANK L USA	1	79	4026357006	WASHER M10	4
26	166301SZB0	LUBRICATION LINE HOUSING-FLANGE	1	80	4026357007	WASHER M12	2
27	166301T0B0	LUBRICATION LINE HOUSING-FLANGE	1	81	4026359001	WASHER 40X33.5X1.5 AL	6
28	16630D5TB0	LUBRICATION LINE FLANGE R	1	82	4026359006	WASHER 13.5X18X1.5 AL	4
29	16630D5WB0	DISCHARGE SHORT LUBRICATION LINE R	1	83	4026501008	TAB 12X8X70	1
	16630D5XB0	DISCHARGE SHORT LUBRICATION LINE L	1		4026500912	TAB 10X8X70 (USA)	1
30	16630D60B0	DISCHARGE LONG LUBRICATION LINE R	1	84	4026510032	SEEGER E45	2
	16630D61B0	DISCHARGE LONG LUBRICATION LINE L	1	85	4026702000	FITTING 4X1/8	6
31	1673001000	OIL FILTER PLUG	1	86	4026706000	FITTING 90° 4X1/8	4
32	1680609700	OIL PUMP GASKET	1	87	4026706003	FITTING 90° 6X1/8	2
33	1680611400	MANIFOLD DISCHARGE GASKET	1	88	4026706101	ADJUSTABLE FITTING	2
	1680611500	MANIFOLD SUCTION GASKET	1	89	4026904003	PLUG 1"	6
34	16807020E0	CLAPET COVER GASKET	1	90	4026904300	PLUG ¼"	2
35	1680707300	FRONT FLANGE GASKET	2	91	4026904503	PLUG M20X1.5	1
36	1680700200	CONVEYOR FLANGE GASKET	1	92	4026905002	PLUG ¼"	2
37	1680709700	FLANGE GASKET	1	93	4026910103	PLUG	1
38	1680709800	PUMP HOUSING GASKET	2	94	4026910601	PLUG 1/8	2
39	16120CJ5B0	OIL DRIPPER FLANGE	1	95	4029602701	NUT M8 PROTECTION	1
40	1685002800	WASHER 30X8,5X4	1				
41	1685100000	OIL DRIPPER WASHER 14X20X1,5	2	18920F3YB0	GASKET KIT LC 300		1
42	1685100300	WASHER DI 20	2				
43	16875BHDB0	LC 300 PUMP HOUSING	1				
44	1687600000	OIL TANK	1				
45	1691000000	SPRING	1				
46	18930009E0	CLAPET D.110 INOX WITH OR	1				
47	4022200030	Y-SEAL 41X27X10	1				
48	4022200044	Y-SEAL 65X45X8	1				

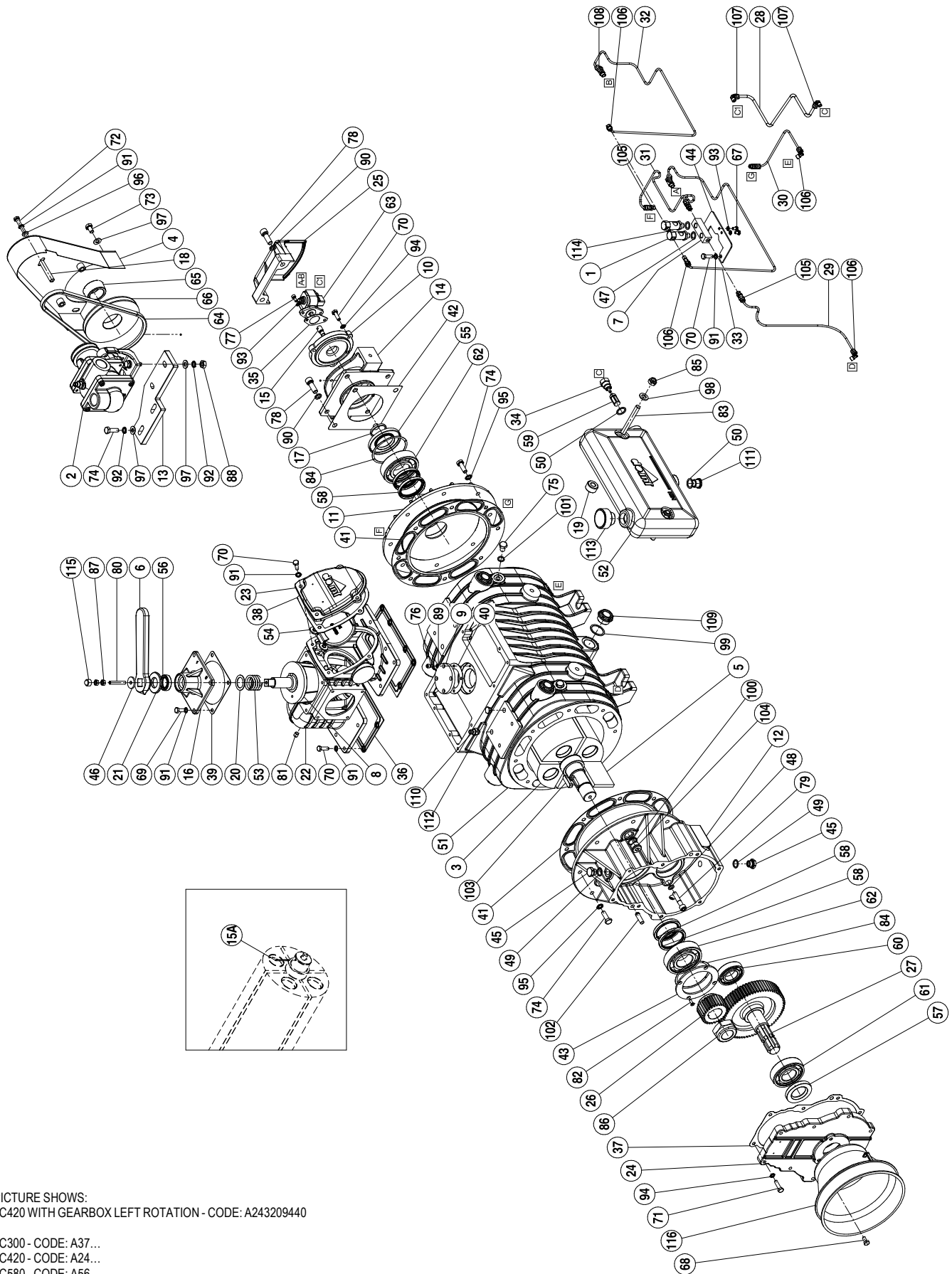
LC 420 DIRECT TRANSMISSION

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	50	4022300001	OIL FILTER	1
2	1407200800	WATER PUMP RIGHT (LC D RIGHT)	1	51	4023100047	BEARING 6309 C3	1
	1407200900	WATER PUMP LEFT (LC D LEFT)	1	52	4023110051	BEARING NU 309 ECJ/C3	1
3	1521505900	ROTOR LC420	1	53	4024251000	OIL PUMP CW ROTATION (LC D R)	1
	1521505700	ROTOR LC420 USA	1		4024251500	OIL PUMP CCW ROTATION (LC D L)	1
4	154201TVB0	BELT PROTECTION LC D RIGHT	1	54	4025350019	BELT SPZ 925	1
	154201TWB0	BELT PROTECTION LC D LEFT	1	55	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
5	1601606300	VANE LC 420	4	56	4026102806	SCREW TE 8.8 M8X20 ZINC.	7
6	1605500100	HANDLE	1	57	4026102807	SCREW TE 8.8 M8X25 ZINC.	16
7	1608100000	DISTRIBUTOR	1	58	4026102808	SCREW TE 8.8 M8X30 ZINC.	3
8	1608502500	CONVEYOR	1	59	4026102819	SCREW TE 8.8 M8X90 ZINC.	2
9	1610051700	FLANGE	1	60	4026102908	SCREW TE 8.8 M10X30 ZINC.	18
10	1610508200	FLANGE	1	61	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
11	1610512900	OIL PUMP FLANGE	1	62	4026121303	SCREW TCEI 8,8 M6X12 ZINC.	4
12	1610513500	FLANGE	2	63	4026121304	SCREW TCEI 8,8 M6X14 ZINC.	2
13	161201X4B0	PUMP SUPPORT	1	64	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	2
14	1622002600	SHAFT M10	1	65	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
14A	4026414617	PIN 3X40 (LC LEFT ROTATION)	1	66	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
15	1623100500	CONVEYOR FLANGE	1	67	4026171211	STUD SCREW 8,8 M12X80 ZINC.	2
16	1624037700	SPACER	2	68	4026305618	SELF-LOCKING NUT M12 ZINC.	2
17	1624042800	SPACER	2	69	4026308005	NUT M8 ZINC.	2
18	162409YKB0	SPACER	1	70	4026308006	NUT M10 ZINC.	2
19	1624202300	4 WAYS SPACER	1	71	4026350503	WASHER GROWER M6	4
20	16275007E0	MANIFOLD	1	72	4026350508	WASHER GROWER M12	2
21	16401008E0	CLAPET COVER	1	73	4026350706	WASHER GROWER M8	22
22	1642100200	REAR PROTECTION	1	74	4026350708	WASHER GROWER M10	4
23	165351TXB0	DRIVEN PULLEY	1	75	4026351504	WASHER M6	4
24	166301STB0	LUBRICATION LINE FLANGE	1	76	4026351505	WASHER M8	6
25	166301SWB0	LUBRICATION LINE OIL TANK R	1	77	4026351506	WASHER M10	16
	166303QWB0	LUBRICATION LINE OIL TANK R USA	1	78	4026357005	WASHER M8	2
	166301SXB0	LUBRICATION LINE OIL TANK L	1	79	4026357006	WASHER M10	4
	166303QXB0	LUBRICATION LINE OIL TANK L USA	1	80	4026357007	WASHER M12	2
26	166301SZB0	LUBRICATION LINE HOUSING-FLANGE	1	81	4026359001	WASHER 40X33.5X1.5 AL	6
27	166301T0B0	LUBRICATION LINE HOUSING-FLANGE	1	82	4026359006	WASHER 13.5X18X1.5 AL	4
28	166301T1B0	LUBRICATION LINE FLANGE	1	83	4026501008	TAB 12X8X70	1
29	1663062600	DISCHARGE SHORT LUBRICATION LINE R	1		4026500912	TAB 10X8X70 (USA)	1
	166301T5B0	DISCHARGE SHORT LUBRICATION LINE L	1	84	4026510032	SEEGER E45	2
30	1663062700	DISCHARGE LONG LUBRICATION LINE R	1	85	4026702000	FITTING 4X1/8	6
	166301T8B0	DISCHARGE LONG LUBRICATION LINE L	1	86	4026706000	FITTING 90° 4X1/8	4
31	1673001000	OIL FILTER PLUG	1	87	4026706003	FITTING 90° 6X1/8	2
32	1680609700	OIL PUMP GASKET	1	88	4026706101	ADJUSTABLE FITTING	2
33	1680610200	MANIFOLD GASKET	2	89	4026904003	PLUG 1"	6
34	16807011E0	CLAPET COVER GASKET	1	90	4026904300	VENTIL PLUG ¼"	2
35	1680707300	FRONT FLANGE GASKET	2	91	4026904503	PLUG M20X1.5	1
36	1680707800	CONVEYOR FLANGE GASKET	1	92	4026905002	PLUG ¼"	2
37	1680709700	FLANGE GASKET	1	93	4026910103	PLUG	1
38	1680709800	PUMP HOUSING GASKET	2	94	4026910601	PLUG 1/8	2
39	1681100200	OIL DRIPPER FLANGE	1	95	4029602701	NUT M8 PROTECTION	1
40	1685002800	WASHER 30X8,5X4	1				
41	1685100000	OIL DRIPPER WASHER 14X20X1,5	2	189207X2B0	GASKET KIT LC 420		1
42	1685100300	WASHER DI 20	2				
43	1687508200	LC 420 HOUSING PUMP	1				
44	1687600000	OIL TANK	1				
45	1691000000	SPRING	1				
46	18930008E0	CLAPET D.110 INOX WITH OR	1				
47	4022200030	Y-SEAL 41X27X10	1				
48	4022200044	Y-SEAL 65X45X8	1				
49	4022200416	Y-SEAL 60X75X8	4				

LC 580 DIRECT TRANSMISSION

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	53	4024251000	OIL PUMP CW ROTATION (LC D R)	1
2	1407200800	WATER PUMP RIGHT (LC D RIGHT)	1		4024251500	OIL PUMP CCW ROTATION (LC D L)	1
	1407200900	WATER PUMP LEFT (LC D LEFT)	1	54	4025350020	BELT SPZ 950	1
3	1521507300	ROTOR LC580 D	1	55	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
4	154201TVB0	BELT PROTECTION LC D RIGHT	1	56	4026102806	SCREW TE 8.8 M8X20 ZINC.	7
	154201TWB0	BELT PROTECTION LC D LEFT	1	57	4026102807	SCREW TE 8.8 M8X25 ZINC.	16
5	16016BXNB0	VANE LC 580	5	58	4026102808	SCREW TE 8.8 M8X30 ZINC.	3
6	1605500100	HANDLE	1	59	4026102819	SCREW TE 8.8 M8X90 ZINC.	2
7	1608100000	DISTRIBUTOR	1	60	4026102908	SCREW TE 8.8 M10X30 ZINC.	18
8	1608502500	CONVEYOR	1	61	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
9	1610051700	FLANGE	1	62	4026121303	SCREW TCEI 8,8 M6X12 ZINC.	4
10	1610508200	FLANGE	1	63	4026121304	SCREW TCEI 8,8 M6X14 ZINC.	2
11	1610512900	OIL PUMP FLANGE	1	64	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	2
12	1610514300	FLANGE	2	65	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
13	161201X4B0	PUMP SUPPORT	1	66	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
14	1622002600	SHAFT M10	1	67	4026171211	STUD SCREW 8,8 M12X80 ZINC.	2
14A	4026414617	PIN 3X40 (LC LEFT ROTATION)	1	68	4026305618	SELF-LOCKING NUT M12 ZINC.	2
15	1623100500	CONVEYOR FLANGE	1	69	4026308005	NUT M8 ZINC.	2
16	1624037700	SPACER	2	70	4026308006	NUT M10 ZINC.	2
17	1624042800	SPACER	2	71	4026350503	WASHER GROWER M6	4
18	162409YKB0	SPACER	1	72	4026350508	WASHER GROWER M12	2
19	1624202300	4 WAYS SPACER	1	73	4026350706	WASHER GROWER M8	22
20	16275007E0	MANIFOLD	1	74	4026350708	WASHER GROWER M10	4
21	16401008E0	CLAPET COVER	1	75	4026351504	WASHER M6	4
22	1642100200	REAR PROTECTION	1	76	4026351505	WASHER M8	6
23	165351TXB0	DRIVEN PULLEY	1	77	4026351506	WASHER M10	16
24	1663069100	LUBRICATION LINE FLANGE	1	78	4026357005	WASHER M8	2
25	1663069500	LUBRICATION LINE OIL TANK R	1	79	4026357006	WASHER M10	4
	1663069200	LUBRICATION LINE OIL TANK L	1	80	4026357007	WASHER M12	2
26	1663068900	LUBRICATION LINE HOUSING-FLANGE	1	81	4026359001	WASHER 40X33.5X1.5 AL	6
27	1663069000	LUBRICATION LINE HOUSING-FLANGE	1	82	4026359006	WASHER 13.5X18X1.5 AL	4
28	1663068700	LUBRICATION LINE FLANGE	1	83	4026501008	TAB 12X8X70	1
29	1663069400	DISCHARGE SHORT LUBRICATION LINE R	1	84	4026510032	SEEGER E45	2
	1663069600	DISCHARGE SHORT LUBRICATION LINE L	1	85	4026702000	FITTING 4X1/8	6
30	1663069300	DISCHARGE LONG LUBRICATION LINE R	1	86	4026706000	FITTING 90° 4X1/8	4
	1663069700	DISCHARGE LONG LUBRICATION LINE L	1	87	4026706003	FITTING 90° 6X1/8	2
31	1673001000	OIL FILTER PLUG	1	88	4026706101	ADJUSTABLE FITTING	2
32	1680609700	OIL PUMP GASKET	1	89	4026904003	PLUG 1"	6
33	1680610200	MANIFOLD GASKET	2	90	4026904300	VENTIL PLUG ¼"	2
34	16807011E0	CLAPET COVER GASKET	1	91	4026904503	PLUG M20X1.5	1
35	1680707300	FRONT FLANGE GASKET	2	92	4026905002	PLUG ¼"	2
36	1680707800	CONVEYOR FLANGE GASKET	1	93	4026910103	PLUG	1
37	1680709700	FLANGE GASKET	1	94	4026910601	PLUG 1/8	2
38	1680712200	PUMP HOUSING GASKET	2	95	4029602701	NUT M8 PROTECTION	1
39	1681100200	OIL DRIPPER FLANGE	1				
40	1685002800	WASHER 30X8,5X4	1		1892008900	GASKET KIT LC 580	1
41	1685100000	WASHER OIL DRIPPER 14X20X1,5	2				
42	1685100300	WASHER DI 20	2				
43	1687511000	LC 580 PUMP HOUSING	1				
44	1687600000	OIL TANK	1				
45	1691000000	SPRING	1				
46	18930008E0	CLAPET D.110 INOX WITH OR	1				
47	4022200030	Y-SEAL 41X27X10	1				
48	4022200044	Y-SEAL 65X45X8	1				
49	4022200113	Y-SEAL 70X55X15 (ONE ON EACH SIDE)	4				
50	4022300001	OIL FILTER	1				
51	4023100047	BEARING 6309 C3	1				
52	4023115057	BEARING NJ 309 ECJ/C3	1				

LC 300-420-580 WITH GEARBOX (540-1000 RPM)



PICTURE SHOWS:
LC420 WITH GEARBOX LEFT ROTATION - CODE: A243209440

LC300 - CODE: A37...
LC420 - CODE: A24...
LC580 - CODE: A56...

LC 300 WITH GEARBOX (540-1000 RPM)

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	54	18930008E0	CLAPET D.110 WITH OR	1
2	1407200800	WATER PUMP (LC M RIGHT)	1	55	4022200008	Y-SEAL 90X45X8	1
	1407200900	WATER PUMP (LC M LEFT)	1	56	4022200030	Y-SEAL 41X27X10	1
3	1521506800	ROTOR LC300 M	1	57	4022200040	Y-SEAL 72X40X10	1
4	15420DAVB0	BELT PROTECTION LC M RIGHT	1	58	4022200416	Y-SEAL 60X75X8	4
		BELT PROTECTION LC M LEFT	1	59	4022300001	OIL FILTER D.6	1
5	1601606400	VANE LC 300	4	60	4023100020	BEARING 6207	1
6	1605500000	HANDLE	1	61	4023100039	BEARING 6308/C3	1
7	1608100000	DISTRIBUTOR	1	62	4023100047	BEARING 6309/C3	2
8	1608501700	CONVEYOR	1	63	4024251000	OIL PUMP CW ROTATION (LC M L)	1
9	1610051700	FLANGE	1		4024251500	OIL PUMP CCW ROTATION (LC M R)	1
10	1610512900	OIL PUMP FLANGE	1	64	4025350021	BELT SPZ 975	1
11	1610513500	FLANGE	1	65	4025426003	BUSHING D.40	1
12	1610513600	GEARBOX FLANGE	1	66	4025426209	PULLEY SPZ 150X1	1
13	1612033500	PUMP SUPPORT	1	67	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
14	1613501400	OIL PUMP SUPPORT	1	68	4026102804	SCREW TE 8.8 M8X16 ZINC.	3
15	1622002600	SHAFT M10	1	69	4026102806	SCREW TE 8.8 M8X20 ZINC.	4
15A	4026414617	PIN 3X40 (LC M RIGHT ROTATION)	1	70	4026102807	SCREW TE 8.8 M8X25 ZINC.	19
16	1623100000	CONVEYOR FLANGE	1	71	4026102808	SCREW TE 8.8 M8X30 ZINC.	8
17	1624037500	SPACER	1	72	4026102819	SCREW TE 8.8 M8X90 ZINC.	1
18	162403N3B0	SPACER	1	73	4026102904	SCREW TE 8.8 M10X16 ZINC.	2
19	1624042800	SPACER	2	74	4026102908	SCREW TE 8.8 M10X30 ZINC.	16
20	162409YKB0	SPACER	1	75	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
21	1624202300	4 WAYS SPACER	1	76	4026121303	SCREW TCEI 8.8 M6X12 ZINC.	4
22	16275014E0	MANIFOLD	1	77	4026121304	SCREW TCEI 8.8 M6X14 ZINC.	2
23	16401098E0	CLAPET COVER	1	78	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	6
24	1640501200	FRONT PROTECTION	1	79	4026121813	SCREW TCEI 8.8 M10X50 ZINC.	2
25	1642100200	REAR PROTECTION	1	80	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
26	1651005500	PINION Z28 (MOLT. 540 RPM)	1	81	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
	1651010700	PINION Z42 (MOLT. 1000 RPM)	1	82	4026155505	SCREW TSPEI M5X10	4
27	1651010500	GEAR Z70 (MOLT. 540 RPM)	1	83	4026171211	STUD SCREW 8,8 M12X80 ZINC.	2
	1651010600	GEAR Z56 (MOLT. 1000 RPM)	1	84	4026300025	COMPENSATION RING	2
28	16630D5LB0	LUBRICATION LINE OILTANK-OIL PUMP	1	85	4026305618	SELF-LOCKING NUT M12 ZINC.	2
29	16630D5QB0	LUBRICATION LINE OIL DRIPP.-HOUSING	1	86	4026306115	SELF-LOCKING M36X3	1
30	166301SZB0	LUBRICATION LINE HOUSING-FLANGE	1	87	4026308005	NUT M8 ZINC.	2
31	16630D5TB0	LUBRICATION LINE OIL DRIPPER-FLANGE	1	88	4026308006	NUT M10 ZINC.	3
32	16630D5ZB0	DISCHARGE SHORT LUBRICATION LINE	1	89	4026350503	WASHER GROWER 6 ZINC.	4
33	16330D5VB0	DISCHARGE LONG LUBRICATION LINE	1	90	4026350508	WASHER GROWER 12 ZINC.	6
34	1673001000	OIL FILTER PLUG	1	91	4026350706	WASHER GROWER 8 ZINC.	21
35	1680609700	OIL PUMP GASKET	1	92	4026350708	WASHER GROWER 10 ZINC.	4
36	1680611400	MANIFOLD DISCHARGE GASKET	1	93	4026351504	WASHER M6 ZINC.	4
	1680611500	MANIFOLD SUCTION GASKET	1	94	4026351505	WASHER M8 ZINC.	11
37	1680614100	GEARBOX GASKET	1	95	4026351506	WASHER M10 ZINC.	14
38	16807020E0	CLAPET COVER GASKET	1	96	4026357005	WASHER M 8 ZINC.	1
39	1680700200	CONVEYOR FLANGE GASKET	1	97	4026357006	WASHER M10 ZINC.	6
40	1680709700	FLANGE GASKET	1	98	4026357007	ROSETTA M12 ZINC.	2
41	1680709800	PUMP HOUSING GASKET	2	99	4026359001	WASHER 33,5X40X1,5	6
42	1680710000	FLANGE GASKET	1	100	4026359003	WASHER 21,5X26X1,5	1
43	1681006500	PLATE	1	101	4026359006	WASHER 13,5X18X1,5	4
44	16120CJ5B0	DISTRIBUTOR BRACKET	1	102	4026401806	PIN 10X36	2
45	1684000000	DISCHARGE PLUG 3/8	3	103	4026501003	TAB 12X8X40	1
46	1685002800	WASHER 30X8,5 SP.4 ZINC.	1	104	4026701603	PLUG ½ ZINC.	1
47	1685100000	OIL DRIPPER WASHER 14X20X1,5	2	105	4026702000	FITTING 4X1/8	4
48	1685100100	WASHER 10X16X1,5	2	106	4026706000	FITTING 90° 4X1/8	4
49	1685100200	WASHER 17X22X1,5	3	107	4026706003	FITTING 90° 6X1/8	2
50	1685100300	WASHER DI 20	2	108	4026706101	ADJUSTABLE FITTING 4X1/8	2
51	16875BHDB0	LC 300 PUMP HOUSING	1	109	4026904003	PLUG 1" ZINC.	6
52	1687600000	OIL TANK	1	110	4026904300	VENTIL VALVE 1/4	2
53	1691000000	SPRING	1	111	4026904503	PLUG M20X1,5	1

112	4026905002	PLUG ¼ ZINC.	2	115	4029602701	NUT M8 PROTECTION	1
113	4026910103	VENTIL PLUG 1	1	116	4029602806	DRIVE SHAFT PROTECTION	1
114	4026910601	PLUG 1/8"	2		18920F3XB0	GASKET KIT LC 300 WITH GEARBOX	

LC 420 WITH GEARBOX (540-1000 RPM)

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	50	1685100300	WASHER DI 20	2
2	1407200800	WATER PUMP (LC M RIGHT)	1	51	1687508200	LC 420 PUMP HOUSING	1
	1407200900	WATER PUMP (LC M LEFT)	1	52	1687600000	OIL TANK	1
3	1521505800	ROTOR LC 420	1	53	1691000000	SPRING	1
4	154201TUB0	BELT PROTECTION LC M RIGHT	1	54	18930008E0	CLAPET D.110 WITH OR	1
	154201TSB0	BELT PROTECTION LC M LEFT	1	55	4022200008	Y-SEAL 90X45X8	1
5	1601606300	VANE LC 420	4	56	4022200030	Y-SEAL 41X27X10	1
6	1605500100	HANDLE	1	57	4022200040	Y-SEAL 72X40X10	1
7	1608100000	DISTRIBUTOR	1	58	4022200046	Y-SEAL 60X75X8	4
8	1608502500	CONVEYOR	1	59	4022300001	OIL FILTER D.6	1
9	1610051700	FLANGE	1	60	4023100020	BEARING 6207	1
10	1610512900	OIL PUMP FLANGE	1	61	4023100039	BEARING 6308/C3	1
11	1610513500	FLANGE	1	62	4023100047	BEARING 6309/C3	2
12	1610513600	GEARBOX FLANGE	1	63	4024251000	OIL PUMP CW ROTATION (LC M L)	1
13	161201X4B0	PUMP SUPPORT	1		4024251500	OIL PUMP CCW ROTATION (LC M R)	1
14	1613501400	OIL PUMP SUPPORT	1	64	4025350019	BELT SPZ 975	1
15	1622002600	SHAFT M10	1	65	4025426003	BUSHING D.40	1
15A	4026414617	PIN 3X40 (LC M RIGHT ROTATION)	1	66	4025426209	PULLEY SPZ 150X1	1
16	1623100500	CONVEYOR FLANGE	1	67	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
17	1624037500	SPACER	1	68	4026102804	SCREW TE 8.8 M8X16 ZINC.	3
18	162403N3B0	SPACER	1	69	4026102806	SCREW TE 8.8 M8X20 ZINC.	4
19	1624042800	SPACER	2	70	4026102807	SCREW TE 8.8 M8X25 ZINC.	19
20	162409YKB0	SPACER	1	71	4026102808	SCREW TE 8.8 M8X30 ZINC.	8
21	1624202300	4 WAYS SPACER	1	72	4026102819	SCREW TE 8.8 M8X90 ZINC.	1
22	16275007E0	MANIFOLD	1	73	4026102904	SCREW TE 8.8 M10X16 ZINC.	2
23	16401008E0	CLAPET COVER	1	74	4026102908	SCREW TE 8.8 M10X30 ZINC.	16
24	1640501200	FRONT PROTECTION	1	75	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
25	1642100200	REAR PROTECTION	1	76	4026121303	SCREW TCEI 8.8 M6X12 ZINC.	4
26	1651005500	PINION Z28 (MOLT. 540 RPM)	1	77	4026121304	SCREW TCEI 8.8 M6X14 ZINC.	2
	1651010700	PINION Z42 (MOLT. 1000 RPM)	1	78	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	6
27	1651010500	GEAR Z70 (MOLT. 540 RPM)	1	79	4026121813	SCREW TCEI 8.8 M10X50 ZINC.	2
	1651010600	GEAR Z56 (MOLT. 1000 RPM)	1	80	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
28	166301SVB0	LUBRICATION LINE OILTANK-OIL PUMP	1	81	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
29	166301SYB0	LUBRICATION LINE OIL DRIPP.-HOUSING	1	82	4026155505	SCREW TSPEI M5X10	4
30	166301SZB0	LUBRICATION LINE HOUSING-FLANGE	1	83	4026171211	STUD SCREW 8.8 M12X80 ZINC.	2
31	166301T1B0	LUBRICATION LINE OIL DRIPPER-FLANGE	1	84	4026300025	COMPENSATION RING	2
32	166301T4B0	DISCHARGE SHORT LUBRICATION LINE	1	85	4026305618	SELF-LOCKING NUT M12 ZINC.	2
33	166301T7B0	DISCHARGE LONG LUBRICATION LINE	1	86	4026306115	SELF-LOCKING M36X3	1
34	1673001000	OIL FILTER PLUG	1	87	4026308005	NUT M8 ZINC.	2
35	1680609700	OIL PUMP GASKET	1	88	4026308006	NUT M10 ZINC.	3
36	1680610200	MANIFOLD GASKET	2	89	4026350503	WASHER GROWER 6 ZINC.	4
37	1680614100	GEARBOX GASKET	1	90	4026350508	WASHER GROWER 12 ZINC.	6
38	16807011E0	CLAPET COVER GASKET	1	91	4026350706	WASHER GROWER 8 ZINC.	21
39	1680707800	CONVEYOR FLANGE GASKET	1	92	4026350708	WASHER GROWER 10 ZINC.	4
40	1680709700	FLANGE GASKET	1	93	4026351504	WASHER M6 ZINC.	4
41	1680709800	PUMP HOUSING GASKET	2	94	4026351505	WASHER M8 ZINC.	11
42	1680710000	FLANGE GASKET	1	95	4026351506	WASHER M10 ZINC.	14
43	1681006500	PLATE	1	96	4026357005	WASHER M 8 ZINC.	1
44	1681100200	DISTRIBUTOR BRACKET	1	97	4026357006	WASHER M10 ZINC.	6
45	1684000000	DISCHARGE PLUG 3/8	3	98	4026357007	ROSETTA M12 ZINC.	2
46	1685002800	WASHER 30X8,5 SP.4 ZINC.	1	99	4026359001	WASHER 33,5X40X1,5	6
47	1685100000	OIL DRIPPER WASHER 14X20X1,5	2	100	4026359003	WASHER 21,5X26X1,5	1
48	1685100100	WASHER 10X16X1,5	2	101	4026359006	WASHER 13,5X18X1,5	4
49	1685100200	WASHER 17X22X1,5	3	102	4026401806	PIN 10X36	2

103	4026501003	TAB 12X8X40	1	111	4026904503	PLUG M20X1,5	1
104	4026701603	PLUG ½ ZINC.	1	112	4026905002	PLUG ¼ ZINC.	2
105	4026702000	FITTING 4X1/8	4	113	4026910103	VENTIL PLUG 1	1
106	4026706000	FITTING 90° 4X1/8	4	114	4026910601	PLUG 1/8"	2
107	4026706003	FITTING 90° 6X1/8	2	115	4029602701	NUT M8 PROTECTION	1
108	4026706101	ADJUSTABLE FITTING 4X1/8	2	116	4029602806	DRIVE SHAFT PROTECTION	1
109	4026904003	PLUG 1" ZINC.	6				
110	4026904300	VENTIL VALVE 1/4	2	189207X0B0	GASKET KIT LC 420 WITH GEARBOX		

LC 580 WITH GEARBOX (540-1000 RPM)

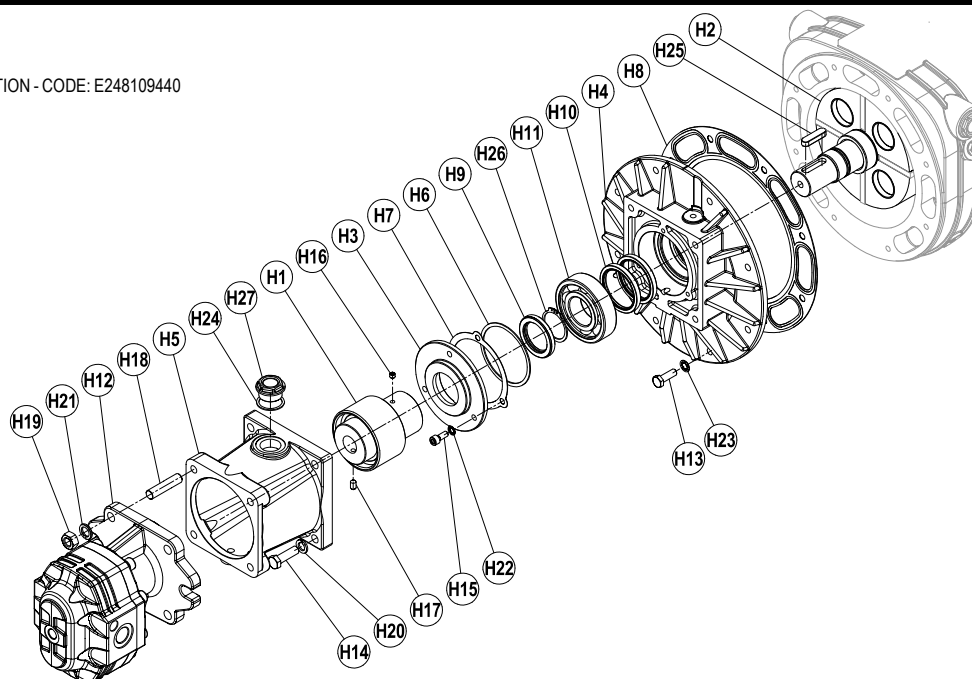
Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	45	1684000000	DISCHARGE PLUG 3/8	3
2	1407200800	WATER PUMP (LC M RIGHT)	1	46	1685002800	WASHER 30X8,5 SP.4 ZINC.	1
	1407200900	WATER PUMP (LC M LEFT)	1	47	1685100000	OIL DRIPPER WASHER 14X20X1,5	2
3	1521507400	ROTOR LC 580	1	48	1685100100	WASHER 10X16X1,5	2
4	154201TUB0	BELT PROTECTION LC M RIGHT	1	49	1685100200	WASHER 17X22X1,5	3
	154201TSB0	BELT PROTECTION LC M LEFT	1	50	1685100300	WASHER DI 20	2
5	16016BXNB0	VANE LC 580	5	51	1687511000	LC 580 PUMP HOUSING	1
6	1605500100	HANDLE	1	52	1687600000	OIL TANK	1
7	1608100000	DISTRIBUTOR	1	53	1691000000	SPRING	1
8	1608502500	CONVEYOR	1	54	18930008E0	CLAPET D.110 WITH OR	1
9	1610051700	FLANGE	1	55	4022200008	Y-SEAL 90X45X8	1
10	1610512900	OIL PUMP FLANGE	1	56	4022200030	Y-SEAL 41X27X10	1
11	1610514300	FLANGE	1	57	4022200040	Y-SEAL 72X40X10	1
12	1610514400	GEARBOX FLANGE	1	58	4022200113	Y-SEAL 70X55X15 (ONE ON EACH SIDE)	2
13	161201X4B0	PUMP SUPPORT	1	59	4022300001	OIL FILTER D.6	1
14	1613501400	OIL PUMP SUPPORT	1	60	4023100020	BEARING 6207	1
15	1622002600	SHAFT M10	1	61	4023100039	BEARING 6308/C3	1
15A	4026414617	PIN 3X40 (LC M RIGHT ROTATION)	1	62	4023100047	BEARING 6309/C3	2
16	1623100500	CONVEYOR FLANGE	1	63	4024251000	OIL PUMP CW ROTATION (LC M L)	1
17	1624037500	SPACER	1		4024251500	OIL PUMP CCW ROTATION (LC M R)	1
18	162403N3B0	SPACER	1	64	4025350020	CINGHIA SPZ 950	1
19	1624042800	SPACER	2	65	4025426003	BUSHING D.40	1
20	162409YKB0	SPACER	1	66	4025426209	PULLEY SPZ 150X1	1
21	1624202300	4 WAYS SPACER	1	67	4026101301	SCREW TE 8.8 M6X10 ZINC.	2
22	16275007E0	MANIFOLD	1	68	4026102804	SCREW TE 8.8 M8X16 ZINC.	3
23	16401008E0	CLAPET COVER	1	69	4026102806	SCREW TE 8.8 M8X20 ZINC.	4
24	164059V5B0	FRONT PROTECTION	1	70	4026102807	SCREW TE 8.8 M8X25 ZINC.	19
25	1642100200	REAR PROTECTION	1	71	4026102810	SCREW TE 8.8 M8X40 ZINC.	8
26	1651005300	PINION Z25 (MOLT. 540 RPM)	1	72	4026102819	SCREW TE 8.8 M8X90 ZINC.	1
	165109KFBO	PINION Z37 (MOLT. 1000 RPM)	1	73	4026102904	SCREW TE 8.8 M10X16 ZINC.	2
27	165109KEB0	GEAR Z53 (MOLT. 540 RPM)	1	74	4026102908	SCREW TE 8.8 M10X30 ZINC.	16
	165109KGB0	GEAR Z41 (MOLT. 1000 RPM)	1	75	4026103030	SCREW TE 8.8 M12X16 ZINC.	4
28	1663068400	LUBRICATION LINE OILTANK-OIL PUMP	1	76	4026121303	SCREW TCEI 8.8 M6X12 ZINC.	4
29	1663068800	LUBRICATION LINE OIL DRIPP.-HOUSING	1	77	4026121304	SCREW TCEI 8.8 M6X14 ZINC.	2
30	1663068900	LUBRICATION LINE HOUSING-FLANGE	1	78	4026121710	SCREW TCEI 8.8 M12X35 ZINC.	6
31	1663068700	LUBRICATION LINE OIL DRIPPER-FLANGE	1	79	4026121813	SCREW TCEI 8.8 M10X50 ZINC.	2
32	1663068500	DISCHARGE SHORT LUBRICATION LINE	1	80	4026135415	GRUB SCREW 14.9 M8X50 ZINC.	1
33	1663068600	DISCHARGE LONG LUBRICATION LINE	1	81	4026135504	GRUB SCREW 14.9 M10X10 ZINC.	1
34	1673001000	OIL FILTER PLUG	1	82	4026155505	SCREW TSPEI M5X10	4
35	1680609700	OIL PUMP GASKET	1	83	4026171211	STUD SCREW 8,8 M12X80 ZINC.	2
36	1680610200	MANIFOLD GASKET	2	84	4026300025	COMPENSATION RING	2
37	16807BCNB0	GEARBOX GASKET	1	85	4026305618	SELF-LOCKING NUT M12 ZINC.	2
38	16807011E0	CLAPET COVER GASKET	1	86	4026306115	SELF-LOCKING M36X3	1
39	1680707800	CONVEYOR FLANGE GASKET	1	87	4026308005	NUT M8 ZINC.	2
40	1680709700	FLANGE GASKET	1	88	4026308006	NUT M10 ZINC.	3
41	1680712200	PUMP HOUSING GASKET	2	89	4026350503	WASHER GROWER 6 ZINC.	4
42	1680710000	FLANGE GASKET	1	90	4026350508	WASHER GROWER 12 ZINC.	6
43	1681006500	PLATE	1	91	4026350706	WASHER GROWER 8 ZINC.	21
44	1681100200	DISTRIBUTOR BRACKET	1	92	4026350708	WASHER GROWER 10 ZINC.	4

93	4026351504	WASHER M6 ZINC.	4	106	4026706000	FITTING 90° 4X1/8	4
94	4026351505	WASHER M8 ZINC.	11	107	4026706003	FITTING 90° 6X1/8	2
95	4026351507	WASHER M12 ZINC.	14	108	4026706101	FITTING 4X1/8	2
96	4026357005	WASHER M8 ZINC.	1	109	4026904003	PLUG 1" ZINC.	6
97	4026357006	WASHER M10 ZINC.	6	110	4026904300	VENTIL VALVE 1/4	2
98	4026357007	WASHER M12 ZINC.	2	111	4026904503	PLUG M20X1,5	1
99	4026359001	WASHER 33,5X40X1,5	6	112	4026905002	PLUG ¼ ZINC.	2
100	4026359003	WASHER 21,5X26X1,5	1	113	4026910103	VENTIL PLUG 1	1
101	4026359006	WASHER 13,5X18X1,5	4	114	4026910601	PLUG 1/8"	2
102	4026401806	PIN 10X36	2	115	4029602701	NUT M8 PROTECTION	1
103	4026501004	TAB 12X8X45	1	116	4029602806	DRIVE SHAFT PROTECTION	1
104	4026701603	PLUG ½	1				
105	4026702000	FITTING 4X1/8	4		1892008800	GASKET KIT LC 58 WITH GEARBOX	

LC 300-420-580 WITH HYDRAULIC MOTOR

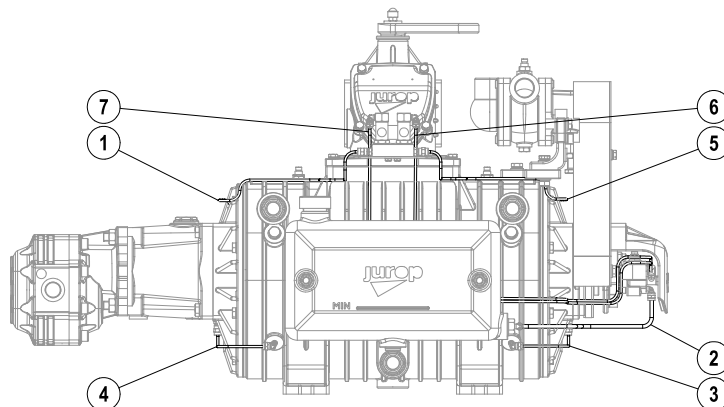
PICTURE SHOWS:
 LC420 HDR RIGHT ROTATION - CODE: E248109440

LC300 - CODE: E37...
 LC420 - CODE: E24...
 LC580 - CODE: E56...



Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
H1	1470102300	HYDRAULIC JOINT LC300-420	1	H13	4026102908	SCREW TE 8.8 M10X30 ZINC.	18
	14701BEBB0	HYDRAULIC JOINT LC580	1	H14	4026103004	SCREW TE 8.8 M12X40 ZINC.	4
H2	1521506700	ROTOR LC 300 HDR	1	H15	4026121405	SCREW TCEI 8.8 M8X20 ZINC.	3
	1521506000	ROTOR LC 420 HDR	1	H16	4026136003	GRUB SCREW 14.9 M8X8 LC300-420	1
	1521507500	ROTOR LC 580 HDR	1		4026136005	GRUB SCREW 14.9 M8X12 LC580	1
H3	1610021600	FLANGE	1	H17	4026136006	GRUB SCREW 14.9 M8X14 LC300-420	1
H4	1610513500	LC300-420 HOUSING PUMP FLANGE	2		4026136005	GRUB SCREW 14.9 M8X12 LC580	1
	1610514300	LC580 HOUSING PUMP FLANGE	2	H18	4026171304	STUD SCREW 8.8 M14X40 ZINC.	4
H5	1612501000	HDR MOTOR MOUNTING FLANGE	1	H19	4026308008	NUT M14 ZINC.	4
H6	1624037700	SPACER LC300-420	2	H20	4026350709	WASHER GROWER 12 ZINC.	4
	4026300025	COMPENSATION SPACER LC580	1	H21	4026350710	WASHER GROWER 14 ZINC.	4
H7	1680707300	FRONT FLANGE GASKET	1	H22	4026351505	WASHER M8 ZINC.	6
H8	1680709800	LC300-420 HOUSING FLANGE GASKET	2	H23	4026351506	WASHER M10 ZINC.	16
	1680712200	LC580 HOUSING FLANGE GASKET	2	H24	4026359001	WASHER 33,5X40X1,5	7
H9	4022200044	Y-SEAL 65X45X8	1	H25	4026501004	TAB 12X8X45 LC HDR	1
H10	4022200416	Y-SEAL 60X75X8 LC300-420	4	H26	4026510032	SEEGER E45	2
	4022200113	Y-SEAL 70X55X15 LC580	2	H27	4026904003	PLUG 1" ZINC.	7
H11	4023100047	BEARING 6309	1				
H12	4024107009	HYDRAULIC MOTOR LC 300	1				
	4024107001	HYDRAULIC MOTOR LC 420	1				
	4024107003	HYDRAULIC MOTOR LC 580	1				

LUBRICATION LINES LC 300-420-580 HDR



Lubrication lines LC 300 HDR

Pos.	Code	Description	Q.ty
1	16630D5SB0	LUBRICATION LINE RIGHT/LEFT	1
2	16630D5LB0	LUBRICATION LINE RIGHT	1
	16630D5JB0	LUBRICATION LINE LEFT	1
3	166301SZB0	LUBRICATION LINE RIGHT/LEFT	1
4	166301T0B0	LUBRICATION LINE RIGHT/LEFT	1

Pos.	Code	Description	Q.ty
5	16630D5TB0	LUBRICATION LINE RIGHT/LEFT	1
6	16630D5VB0	LUBRICATION LINE RIGHT	1
	16630D5UB0	LUBRICATION LINE LEFT	1
7	16630D5ZB0	LUBRICATION LINE RIGHT	1
	16630D5YB0	LUBRICATION LINE LEFT	1

Lubrication lines LC 420 HDR

Pos.	Code	Description	Q.ty
1	166301STB0	LUBRICATION LINE RIGHT/LEFT	1
2	166301SVB0	LUBRICATION LINE RIGHT	1
	166301SUB0	LUBRICATION LINE LEFT	1
3	166301SZB0	LUBRICATION LINE RIGHT/LEFT	1
4	166301T0B0	LUBRICATION LINE RIGHT/LEFT	1

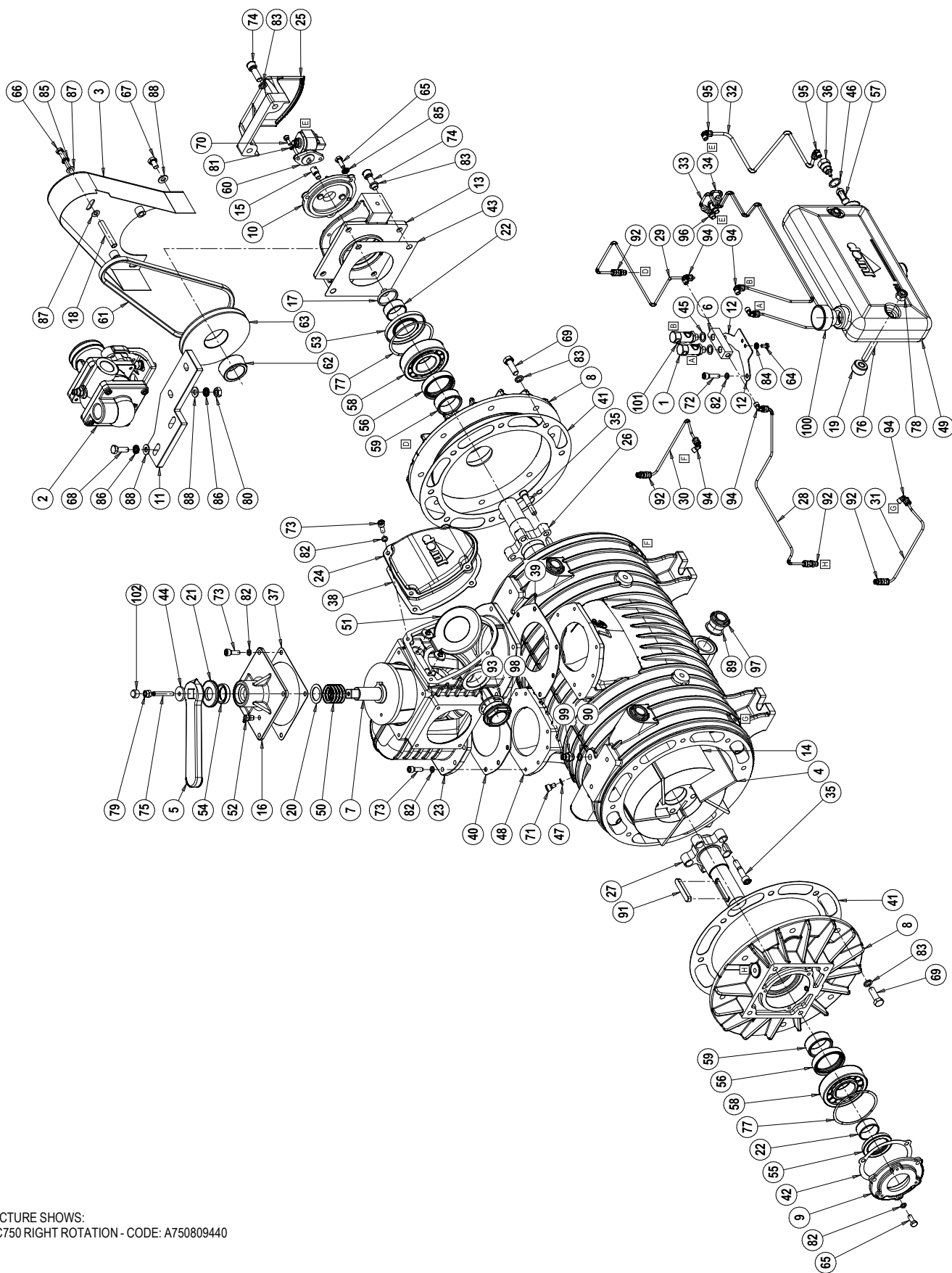
Pos.	Code	Description	Q.ty
5	166301T1B0	LUBRICATION LINE RIGHT/LEFT	1
6	166301T4B0	LUBRICATION LINE RIGHT	1
	166301T2B0	LUBRICATION LINE LEFT	1
7	166301T7B0	LUBRICATION LINE RIGHT	1
	166301T6B0	LUBRICATION LINE LEFT	1

Lubrication lines LC 580 HDR

Pos.	Code	Description	Q.ty
1	1663069100	LUBRICATION LINE RIGHT/LEFT	1
2	1663068400	LUBRICATION LINE RIGHT	1
	1663069500	LUBRICATION LINE LEFT	1
3	1663068900	LUBRICATION LINE RIGHT/LEFT	1
4	1663069000	LUBRICATION LINE RIGHT/LEFT	1

Pos.	Code	Description	Q.ty
5	1663068700	LUBRICATION LINE RIGHT/LEFT	1
6	1663069600	LUBRICATION LINE RIGHT	1
	1663068500	LUBRICATION LINE LEFT	1
7	1663069700	LUBRICATION LINE RIGHT	1
	1663068600	LUBRICATION LINE LEFT	1

LC 750 DIRECT TRANSMISSION

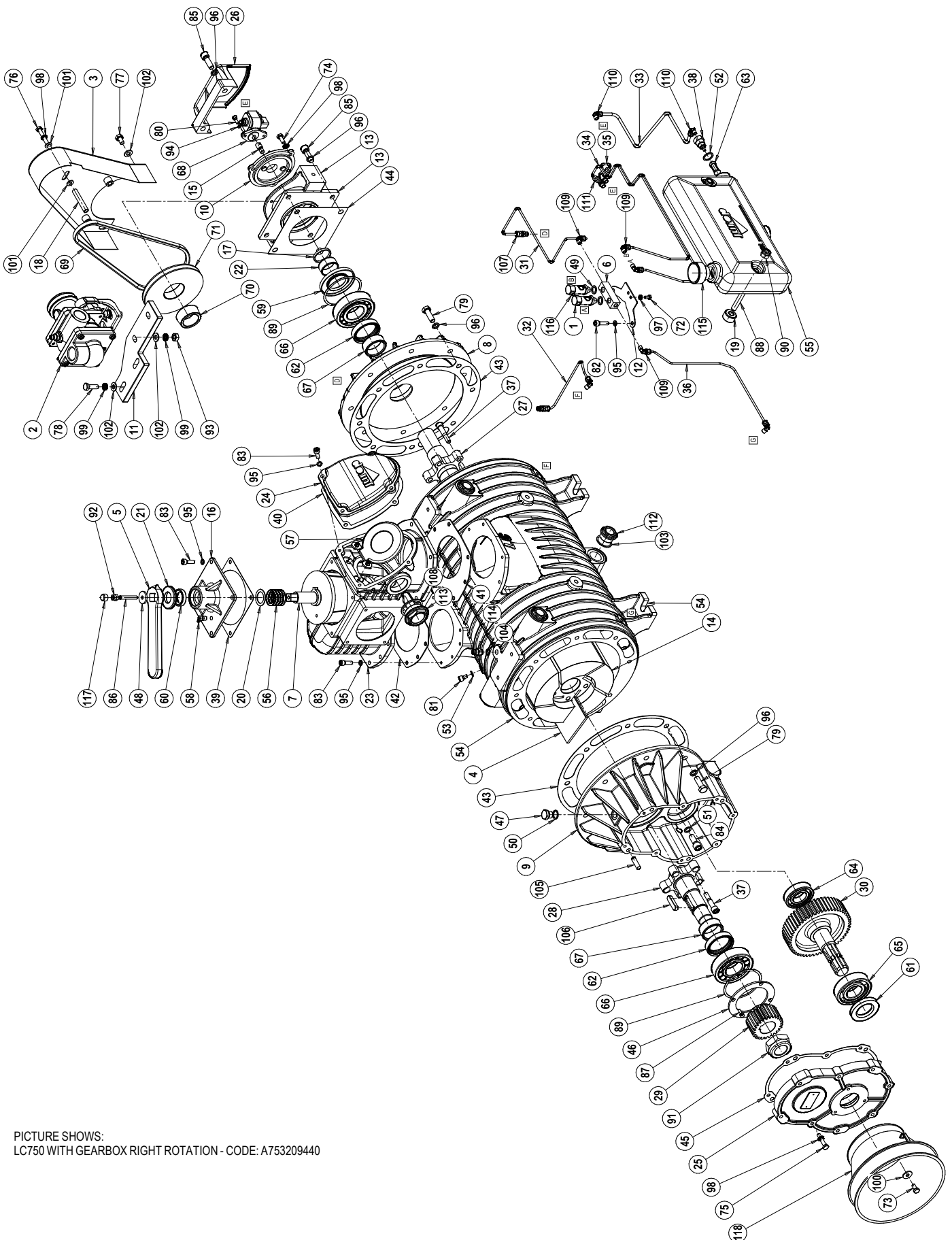


PICTURE SHOWS:
LC750 RIGHT ROTATION - CODE: A750809440

LC 750 DIRECT TRANSMISSION

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	56	4022200113	SEAL RING SEAL RING 70X55X15	2
2	1407200900	WATER PUMP CCW ROTATION (LC D LEFT)	1	57	4022300001	FILTER (NYLON)	1
	1407200800	WATER PUMP CW ROTATION (LC D RIGHT)	1	58	4023115059	BEARING NJ 309 ECJ/C3-NMQ	2
3	154201TUB0	PROTECTION WATER PUMP (LC D LEFT)	1	59	4023130035	BUSHING 55X45X22	2
	154201TSB0	PROTECTION WATER PUMP (LC D RIGHT)	1	60	4024251000	AUTOMATIC LUBRICAT. PUMP CW ROTATION	1
4	16016003E0	VANE LC750	5		4024251500	AUTOMATIC LUBRICAT. PUMP CCW ROTAT.	1
5	1605500100	HANDLE	1	61	4025350020	BELT	1
6	1608100000	DISTRIBUTOR	1	62	4025426003	BUSHING	1
7	1608502600	CONVEYOR	1	63	4025426209	PULLEY	1
8	16105014E0	FLANGE DIRECT TRANSMISSION	2	64	4026102702	SCREW TE M6X12 ZINC.	2
9	1610508200	FLANGE	1	65	4026102806	SCREW TE M8X20 ZINC.	6
10	1610512900	AUTOMATIC LUBRICATION PUMP FLANGE	1	66	4026102819	SCREW TE M8X90 ZINC.	1
11	161201X4B0	BRACKET	1	67	4026102904	SCREW TE M10X16 ZINC.	2
12	16120617H0	OIL DRIPPER PLATE BRACKET	1	68	4026102908	SCREW TE M10X30 ZINC.	2
13	1613501400	OIL PUMP BRACKET	1	69	4026103003	SCREW TE M12X35 ZINC.	16
14	16215063E0	ROTOR	1	70	4026121305	SCREW TCEI M6X16 ZINC.	2
15	1622002600	OIL PUMP SHAFT	1	71	4026121401	SCREW TCEI M8X12 ZINC.	2
16	1623100600	CONVEYOR CAP	1	72	4026121406	SCREW TCEI M8X30 ZINC.	2
17	1624037500	SPACER	1	73	4026121407	SCREW TCEI M8X25 ZINC.	18
18	162403N3B0	SPACER (REAR PROTECTION)	1	74	4026121710	SCREW TCEI M12X35 ZINC.	6
19	1624042800	SPACER (OIL TANK)	2	75	4026135415	GRUB SCREW M8X50 ZINC.	1
20	162409YKB0	SPACER (SPRING)	1	76	4026171211	STUD SCREW M12X80 ZINC.	2
21	1624202300	SPACER (4-WAY VALVE)	1	77	4026300025	COMPENSATION RING	2
22	1626001100	BUSHING DIRECT TRANSMISSION	2	78	4026305508	SELF-LOCKING NUT M12	2
23	16275005E0	MANIFOLD	1	79	4026308005	NUT M8	2
24	16401004E0	CLAPET CAP	1	80	4026308006	NUT M10	2
25	1642100200	REAR PROTECTION	1	81	4026350503	WASHER GROWER 6	2
26	16500087E0	REAR SHAFT	1	82	4026350505	WASHER GROWER 8	23
27	16500089E0	SHAFT	1	83	4026350508	WASHER GROWER 12	22
28	16631154E0	PIPE (FRONT FLANGE – HOUSING)	1	84	4026350705	WASHER GROWER 6	2
29	16631155E0	PIPE (OIL DRIPPER – REAR FLANGE)	1	85	4026350706	WASHER GROWER 8	4
30	16631156E0	PIPE (REAR FLANGE – HOUSING)	1	86	4026350708	WASHER GROWER 10	4
31	16631157E0	PIPE (FRONT FLANGE – HOUSING)	1	87	4026357005	WASHER M8	2
32	16631158E0	PIPE (SUCTION, RIGHT)	1	88	4026357006	WASHER M10	6
33	16631160E0	SHORT PIPE (OIL PUMP – OIL DRIPPER R)	1	89	4026359001	WASHER 33.5X40X1.5	6
	16631163E0	SHORT PIPE (OIL PUMP – OIL DRIPPER L)	1	90	4026359005	WASHER 12X16X1.5	2
34	16631161E0	LONG PIPE (OIL PUMP – OIL DRIPPER R)	1	91	4026501007	TAB 12X8X63	1
	16631164E0	LONG PIPE (OIL PUMP – OIL DRIPPER L)	1	92	4026702000	FITTING	4
35	1672001600	SCREW TCEI M10X1,5	10	93	4026702708	WASHER 1"1/2	1
36	1673001000	FITTING	1	94	4026706000	FITTING 90° 4X1/8	6
37	1680612200	GASKET (CONVEYOR CAP)	1	95	4026706003	FITTING 90° 6X1/8	2
38	16807006E0	GASKET (CLAPET CAP)	1	96	4026706101	ADJUSTABLE FITTING	2
39	16807007E0	GASKET (SUCTION)	1	97	4026904003	PLUG 1"	6
40	16807008E0	GASKET (DISCHARGE)	1	98	4026904005	PLUG 1"1/2	1
41	16807043E0	FLANGE GASKET (HOUSING)	2	99	4026904300	VENTIL PLUG 1/4	2
42	1680707300	FRONT FLANGE GASKET (DIRECT TR.)	1	100	4026910103	VENTIL PLUG	1
43	1680710000	FLANGE GASKET (BRACKET)	1	101	4026910601	PLUG 1/8"	2
44	1685002800	WASHER 30X8.5	1	102	4029602701	NUT M8 CAP	1
45	1685100000	OIL DRIPPER WASHER 14X20X1.5	2				
46	1685100300	WASHER	1	18920110E0	GASKET KIT LC750		1
47	1685100800	WASHER 8X14X1.5	2				
48	16875042E0	HOUSING LC750	1				
49	1687600000	OIL TANK	1				
50	1691000000	SPRING	1				
51	18930006E0	CLAPET DN125	1				
52	4022100107	GREASER	1				
53	4022200008	SEAL RING 90X45X8	1				
54	4022200030	SEAL RING 41X27X10	1				
55	4022200044	SEAL RING 65X45X8	1				

LC 750 WITH GEARBOX



PICTURE SHOWS:
LC750 WITH GEARBOX RIGHT ROTATION - CODE: A753209440

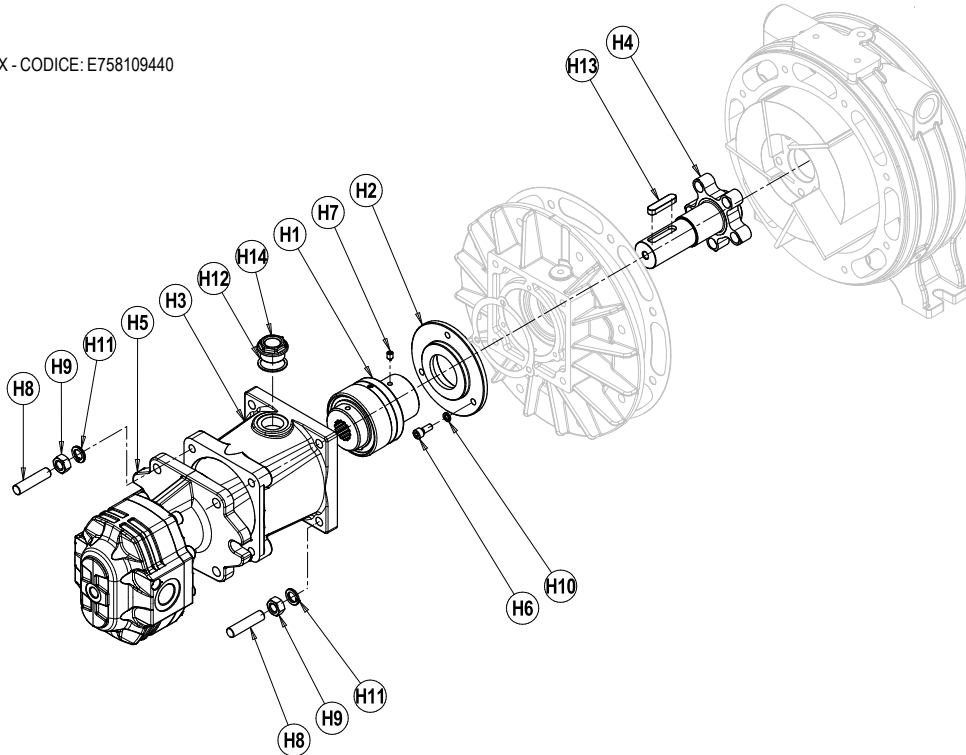
LC 750 WITH GEARBOX

Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
1	1401200700	OIL DRIPPER	2	53	1685100800	WASHER 8X14X1.5	1
2	1407200900	WATER PUMP CCW ROTATION (LC M LEFT)	1	54	16875042E0	HOUSING LC750	1
	1407200800	WATER PUMP CW ROTATION (LC M RIGHT)		55	1687600000	OIL TANK	1
3	154201TUB0	PROTECTION WATER PUMP (LC M LEFT)	1	56	1691000000	SPRING	1
	154201TSB0	PROTECTION WATER PUMP (LC M RIGHT)		57	18930006E0	CLAPET DN125	1
4	16016003E0	VANE LC750	5	58	4022100107	GREASER	1
5	1605500100	HANDLE	1	59	4022200008	SEAL RING 90X45X8	1
6	1608100000	DISTRIBUTOR	1	60	4022200030	SEAL RING 41X27X10	1
7	1608502600	CONVEYOR	1	61	4022200040	SEAL RING 72X40X10	1
8	16105014E0	FLANGE	1	62	4022200113	SEAL RING 70X55X15	2
9	16105015E0	FLANGE	1	63	4022300001	FILTER (NYLON)	1
10	1610512900	AUTOMATIC LUBRICATION PUMP FLANGE	1	64	4023100020	BEARING 6207	1
11	161201X4B0	WATER PUMP BRACKET	1	65	4023100039	BEARING 6308/C3	1
12	16120617H0	OIL DRIPPER BRACKET	1	66	4023115059	BEARING NJ 309 ECJ/C3-NMQ	2
13	1613501400	OIL PUMP BRACKET	1	67	4023130035	BUSHING 55X45X22	2
14	16215063E0	ROTOR	1	68	4024251000	AUTOMATIC LUBRICAT. PUMP CW ROTATION	1
15	1622002600	OIL PUMP SHAFT	1		4024251500	AUTOMATIC LUBRICAT. PUMP CCW ROTAT.	
16	1623100600	CONVEYOR CAP	1	69	4025350020	BELT	1
17	1624037500	SPACER	1	70	4025426003	BUSHING	1
18	162403N3B0	SPACER (REAR PROTECTION)	1	71	4025426209	PULLEY	1
19	1624042800	SPACER (OIL TANK)	2	72	4026102702	SCREW TE M6X12 ZINC.	2
20	162409YKB0	SPACER (SPRING)	1	73	4026102804	SCREW TE M8X16 ZINC.	3
21	1624202300	SPACER (4-WAY VALVE)	1	74	4026102806	SCREW TE M8X20 ZINC.	3
22	1626001100	BUSHING DIRECT TRANSMISSION	1	75	4026102810	SCREW TE M8X40 ZINC.	8
23	16275005E0	MANIFOLD	1	76	4026102819	SCREW TE M8X90 ZINC.	1
24	16401004E0	CLAPET CAP	1	77	4026102904	SCREW TE M10X16 ZINC.	2
25	164059V5B0	GEARBOX CAP	1	78	4026102908	SCREW TE M10X30 ZINC.	2
26	1642100200	REAR PROTECTION	1	79	4026103003	SCREW TE M12X35 ZINC.	14
27	16500087E0	REAR SHAFT	1	80	4026121305	SCREW TCEI M6X16 ZINC.	2
28	16500090E0	SHAFT	1	81	4026121401	SCREW TCEI M8X12 ZINC.	2
29	1651005300	PINION Z 25 (540 RPM)	1	82	4026121406	SCREW TCEI M8X30 ZINC.	2
	165109KF00	PINION Z 37 (1000 RPM)		83	4026121407	SCREW TCEI M8X25 ZINC.	18
30	165109KE00	GEAR Z 53 (540 RPM)	1	84	4026121709	SCREW TCEI M12X30 ZINC.	2
	165109KGB0	GEAR Z 41 (1000 RPM)		85	4026121710	SCREW TCEI M12X35 ZINC.	6
31	16631155E0	PIPE (OIL DRIPPER – REAR FLANGE)	1	86	4026135415	GRUB SCREW M8X50 ZINC.	1
32	16631156E0	PIPE (REAR FLANGE – HOUSING)	1	87	4026155505	SCREW TSPEI M5X16 ZINC.	4
33	16631158E0	PIPE (SUCTION R)	1	88	4026171211	STUD SCREW M12X80 ZINC.	2
34	16631160E0	SHORT PIPE (OIL PUMP – OIL DRIPPER R)	1	89	4026300025	COMPENSATION RING	2
	16631163E0	SHORT PIPE (OIL PUMP – OIL DRIPPER L)		90	4026305508	SELF-LOCKING NUT M12	2
35	16631161E0	LONG PIPE (OIL PUMP – OIL DRIPPER R)	1	91	4026306115	SELF-LOCKING NUT M36X3	1
	16631164E0	LONG PIPE (OIL PUMP – OIL DRIPPER L)		92	4026308005	NUT M8	2
36	16631162E0	PIPE (OIL DRIPPER – HOUSING)	1	93	4026308006	NUT M10	2
37	1672001600	SCREW TCEI M10X1,5	10	94	4026350503	WASHER GROWER 6	2
38	1673001000	FITTING	1	95	4026350505	WASHER GROWER 8	20
39	1680612200	GASKET (CONVEYOR CAP)	1	96	4026350508	WASHER GROWER 12	20
40	16807006E0	GASKET (CLAPET CAP)	1	97	4026350705	WASHER GROWER 6	2
41	16807007E0	GASKET (SUCTION)	1	98	4026350706	WASHER GROWER 8	12
42	16807008E0	GASKET (DISCHARGE)	1	99	4026350708	WASHER GROWER 10	4
43	16807043E0	FLANGE GASKET (HOUSING)	2	100	4026356002	WASHER 8X24	3
44	1680710000	FLANGE GASKET (BRACKET)	1	101	4026357005	WASHER M8	2
45	16807BCNB0	GASKET (GEARBOX)	1	102	4026357006	WASHER M10	6
46	1681006500	PLATE	1	103	4026359001	WASHER 33.5X40X1.5	6
47	1684000000	DRAIN PLUG 3/8	3	104	4026359005	WASHER 12X16X1.5	2
48	1685002800	WASHER 30X8.5	1	105	4026401806	PIN 10X36	4
49	1685100000	OIL DRIPPER WASHER 14X20X1.5	2	106	4026501004	TAB 12X8X45	1
50	1685100200	WASHER 17X22X1.5	1	107	4026702000	FITTING	2
51	16851002E0	WASHER 12X18X1.5	2	108	4026702708	WASHER 1"1/2	1
52	1685100300	WASHER	1	109	4026706000	FITTING 90° 4X1/8	6

110	4026706003	FITTING 90° 6X1/8	2	115	4026910103	VENTIL PLUG	1
111	4026706101	ADJUSTABLE FITTING	2	116	4026910601	PLUG 1/8"	2
112	4026904003	PLUG 1"	6	117	4029602701	NUT M8 PROTECTION CAP	1
113	4026904005	PLUG 1"1/2	1	118	4029602806	DRIVE SHAFT PROTECTION	1
114	4026904300	VENTIL PLUG 1/4	2		18920110E0	GASKET KIT LC750	1

LC 750 WITH HYDRAULIC MOTOR

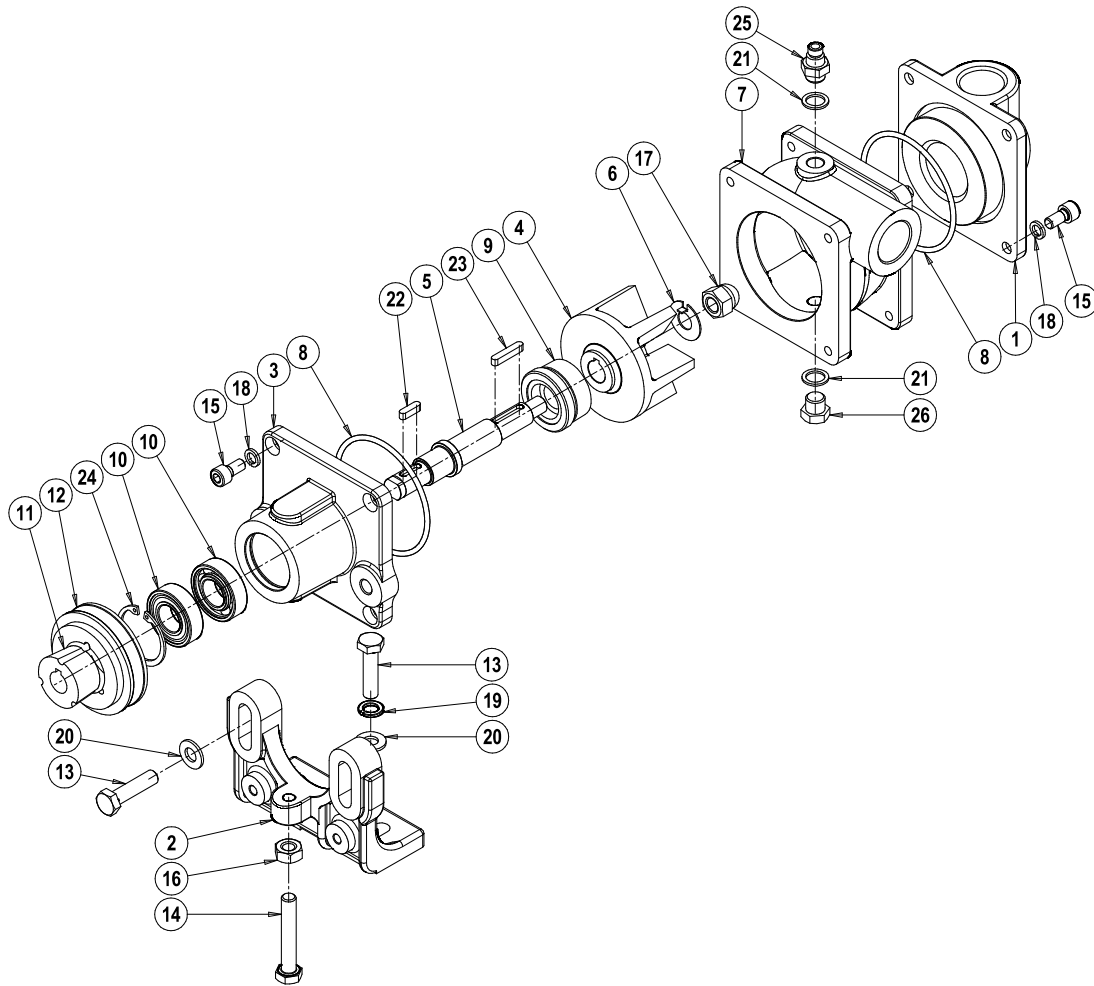
IN FIGURA:
 LC750 HDR ROTAZIONE DX - CODICE: E758109440



Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
H1	14701BEBB0	HYD JOINT	1	H8	4026171304	STUD SCREW M14X40	8
H2	1610021600	HYD TRANSMISSION FLANGE	1	H9	4026308008	NUT M14 ZINC.	8
H3	1612501000	HYD TRANSMISSION BOX	1	H10	4026350505	WASHER GROWER 8 ZINC.	3
H4	16500088E0	SHAFT LC750 HYD	1	H11	4026350710	WASHER GROWER 14 ZINC.	8
H5	4024107003	HYD MOTOR	1	H12	4026359001	WASHER 33.5X40X1.5	1
H6	4026121405	SCREW TCEI M8X20 ZINC.	3	H13	4026501005	TAB 12X8X50	1
H7	4026136005	GRUB SCREW M8X12 ZINC.	2	H14	4026904003	PLUG 1" ZINC.	1

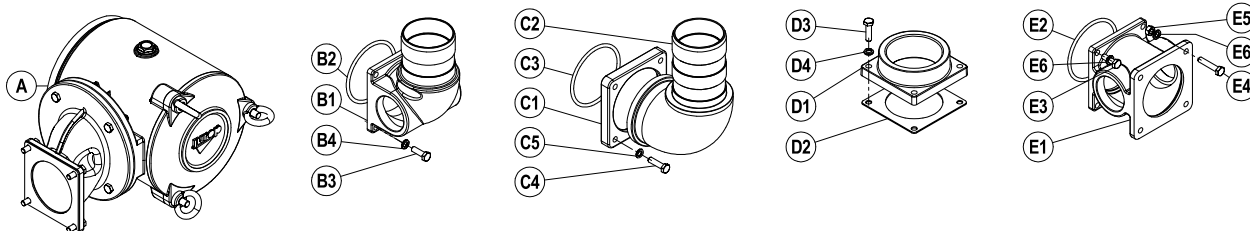
Note: refer to LC750 D parts breakdown (pages 30-31) for parts not provided in this list.

COOLING WATER PUMP LC

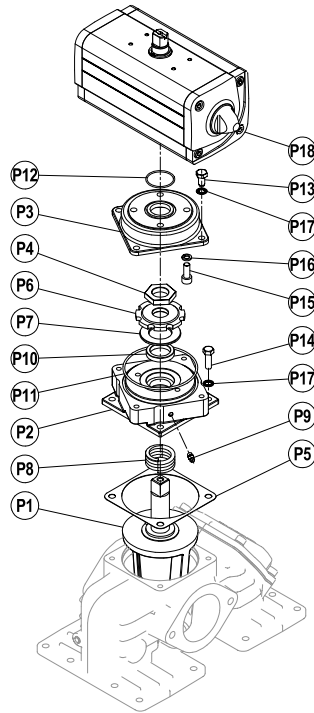


Cooling water pump LC

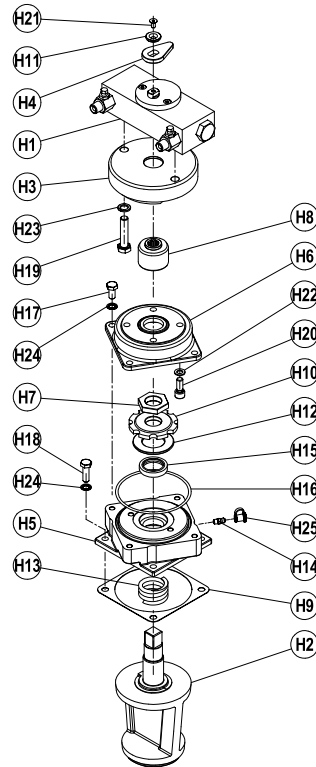
Pos.	Code	Description	Q.ty	Pos.	Codice	Descrizione	Q.tà
1	1610506500	COOLING WATER-PUMP FLANGE	1	14	4026102914	SCREW TE M10X60 ZINC.	1
2	1613500900	WATER-PUMP LOWER SUPPORT	1	15	4026121403	SVREW TCEI M8X16 ZINC.	8
3	1613501000	SUPPORT FLANGE	1	16	4026308006	NUT M10 ZINC.	1
4	1621502800	IMPELLER	1	17	4026322106	NUT M12 CON CALOTTA ZINC.	1
5	1650009700	SHAFT	1	18	4026350505	WASHER GROWER M8 ZINC.	8
6	1685002400	WASHER D13	1	19	4026350708	WASHER GROWER 10 ZINC.	2
7	1687504500	HOUSING	1	20	4026357006	WASHER M10 ZINC.	4
8	4022200235	O-RING 4325	2	21	4026359006	WASHER 13.5X18X1.5 ALU	2
9	4022216915	MECHANICAL SEAL	1	22	4026500605	TAB 5X5X18	1
10	4023100516	BEARING 6004 RSH	2	23	4026500609	TAB 5X5X28	1
11	4025422300	BUSHING 2820 Ø 16	1	24	4026510525	SEEGER I 42 UNI 7437	1
12	4025422402	PULLEY SPZ 71X1	1	25	4026904300	VENTIL VALVE 1/4	1
	4025350021	BELT SPZ 975	1	26	4026904550	PLUG G1/4 ZINC.	1
13	4026102910	SCREW TE M10X40 ZINC.	4				

ACCESSORIES LC


Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
LC 300				1852111700 FLANGE 3" NPT			
A	18521CNGB0	SUCTION UNIT WITH FILTER		D1	1610101500	FLANGE 3" NPT	1
	1852108900	FIXED SUCTION CONVEYOR Ø76		D2	1680709900	MANIFOLD GASKET	1
	1852108600	FIXED SUCTION CONVEYOR Ø80		D3	4026102808	SCREW TCEI 8,8 M8X30 GALV.	4
B1	1627100200	SUCTION CONVEYOR Ø76	1	D4	4026350706	WASHER GROWER 8 GALV.	4
	1627100300	SUCTION CONVEYOR Ø80	1	1852104100 KIT FOR SAFETY VALVE			
B2	4022200307	O-RING 6287 VITON	1	E1	1627102500	SAFETY VALVE G2 SUPPORT	1
B3	4026103002	SCREW TE M12X30 ZINC.	2	E2	4022200310	O-RING 6362	1
B4	4026350709	WASHER GROWER 12	2	E3	4026102807	SCREW TE 8,8 M8X25 UNI5739 GALV.	4
	1852109000	ADJUSTABLE CONVEYOR Ø76		E4	4026102810	SCREW TE 8,8 M8X40 UNI5739 GALV.	4
C1	1610100000	CONVEYOR FLANGE	1	E5	4026308005	NUT M8 UNI5588 GALV.	4
C2	1627100500	CONVEYOR Ø76	1	E6	4026350706	WASHER GROWER 8 FLAT SEC. GALV.	8
C3	4022200307	O-RING 6287	1	LC 750			
C4	4026103002	SCREW TE M12X30 UNI5739 GALV.	2	A	18521086E0	SUCTION UNIT WITH FILTER	
C5	4026350709	WASHER GROWER 12 FLAT. SEC. GALV.	2		1852104300	ADJUSTABLE CONVEYOR Ø120	
	1852111600	FLANGE 2" ½ NPT KIT		C1	1610101200	FLANGE	2
D1	1610101400	FLANGE 2" ½ NPT	1	C2	1627102900	CONVEYOR D.120	2
D2	1680614500	MANIFOLD GASKET	1	C3	4022200314	O-RING 193 VITON	2
D3	4026121711	SCREW TCEI 8,8 M12X40 GALV.	2	C4	4026102808	SCREW TE 8,8 M8X30 GALV.	8
D4	4026350508	WASHER GROWER 12 GALV.	2	C5	4026350706	WASHER GROWER M8 GALV.	8
LC 420-580				S	1852104400	KIT FOR SAFETY VALVE	
A	185212L4B0	SUCTION UNIT WITH FILTER		E1	1627103000	VALVE-HOLDER CONVEYOR	1
	1852103400	FIXED SUCTION CONVEYOR Ø80		E2	4022200314	O-RING 193	1
	1852103500	FIXED SUCTION CONVEYOR Ø100		E3	4026102808	SCREW M8X30	4
B1	1627101300	SUCTION CONVEYOR Ø80	1	E4	4026102810	SCREW M8X40	4
	1627101200	SUCTION CONVEYOR Ø100	1	E5	4026308005	NUT M8	4
B2	4022200310	O-RING 6362	1	E6	4026350706	WASHER GROWER M8	8
B3	4026102807	SCREW TE M8X25 GALV.	4				
B4	4026350706	WASHER GROWER 8 FLAT SEC. GALV.	4				
	1852103900	ADJUSTABLE CONVEYOR Ø80					
	1852104000	ADJUSTABLE CONVEYOR Ø100					
C1	1610101100	CONVEYOR FLANGE	1				
C2	1627102700	CONVEYOR Ø80	1				
	1627102400	CONVEYOR Ø100	1				
C3	4022200310	O-RING 6362	1				
C4	4026102808	SCREW TE M8X30 UNI5739 GALV.	4				
C5	4026350706	WASHER GROWER 8 FLAT SEC. GALV.	4				

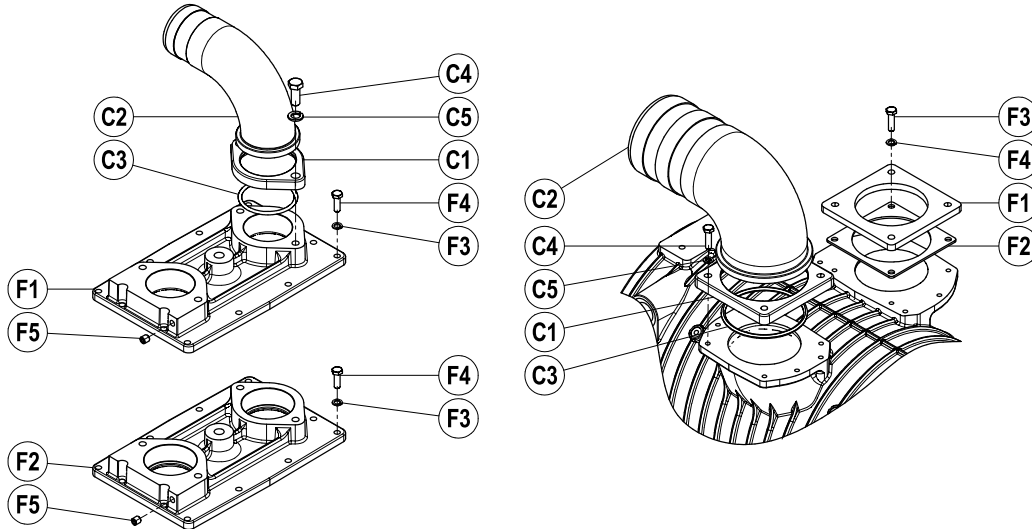


Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
	143028B7B0	LC300 PNEUMATIC OPERATED 4-WAY KIT		P13	4026102804	SCREW TE M8X16	1
P1	160858KNB0	INSIDE VALVE	1	P14	4026102807	SCREW TE M8X25 GALV.	4
P2	161258B4B0	SUPPORT FLANGE	1	P15	4026121405	SCREW TCEI M8X20 GALV.	4
P3	1640580QB0	COVER	1	P16	4026350505	WASHER GROWER 8 GALV.	4
P4	167007ZAB0	NUT	1	P17	4026351505	WASHER M8 GALV.	4
P5	1680700200	GASKET	1	P18	4027100405	PNEUMATIC ACTUATOR	8
P6	168409PQB0	WASHER	1				
P7	168529TFB0	SPACER	1		143028LKB0	KIT INVERSORE PNEUMATICO LC750	
P8	1691000200	SPRING	1	P1	160858LLB0	DEVIATORE ATT. PNEUMATICO	1
P9	4022100100	GREASER M6X1	1	P2	161258L9B0	SCATOLA ATT. PNEUMATICO	1
P10	4022200005	SEAL 37X27X7	1	P3	1640580QB0	COPERCHIO ATTUATORE PNEUMATICO	1
P11	4022200330	OR SEAL 3375	1	P4	167007ZAB0	DADO FIL. ATTUAT. PNEUMATICO	1
P12	4022200331	OR SEAL 2137	1	P5	1680612200	GUARNIZIONE CAPPELLOTTO	1
P13	4026102804	SCREW TE M8X16	4	P6	168409PQB0	GHIERA REGOL. DEV. PNEUMATICO	1
P14	4026102807	SCREW TE M8X25	4	P7	168529TFB0	DISTANZIALE ATTUATORE PNEUMATICO	1
P15	4026121405	SCREW TCEI M8X20	4	P8	1691000200	MOLLA DEVIATORE CORTA	1
P16	4026350505	WASHER GROWER 8 GALV.	4	P9	4022100100	INGRASSATORE SFER.DIR.M6X1	1
P17	4026351505	WASHER M8	8	P10	4022200005	ANELLO TEN.AS 37X27X7	1
P18	4027100405	PNEUMATIC ACTUATOR	1	P11	4022200330	ANELLO OR 3375	1
	143028GZB0	LC420-520 PNM OPERATED 4-WAY KIT		P12	4022200331	ANELLO OR 2137	1
P1	160858KBB0	INSIDE VALVE		P13	4026102804	VITE TE M8X16	4
P2	161258H0B0	SUPPORT FLANGE	1	P14	4026102807	VITE TE M8X25 ZINC.	4
P3	1640580QB0	COVER	1	P15	4026121405	VITE TCEI M8X20 ZINC.	4
P4	167007ZAB0	NUT	1	P16	4026350505	RONDELLA GROWER 8 ZN. QUADRA	4
P5	1680707800	CONVEYOR-CAP GASKET	1	P17	4026351505	RONDELLA DENTATA M8 ZINC.	8
P6	168409PQB0	WASHER	1	P18	4027100405	ATTUATORE PNEUMATICO	1
P7	168529TFB0	SPACER	1				
P8	1691000200	SPRING	1				
P9	4022100100	GREASER M6X1	1				
P10	4022200005	SEAL 37X27X7	1				
P11	4022200330	OR SEAL 3375	1				
P12	4022200331	OR SEAL 2137	1				



Pos.	Code	Description	Q.ty	Pos.	Code	Description	Q.ty
	14302033E0	LC300 HYDRAULIC OPERATED 4-WAY KIT		H6	1640580QB0	COVER	1
H1	14302031E0	HYDRAULIC ACTUATOR	1	H7	167007ZAB0	NUT	1
H2	160858KNB0	INSIDE VALVE	1	H8	16732001E0	COUPLER	1
H3	16100416E0	HYDRAULIC ACTUATOR FLANGE	1	H9	1680707800	CONVEYOR-CAP GASKET	1
H4	16120286K0	PLATE	1	H10	168409PQB0	RING NUT	1
H5	161258B4B0	SUPPORT FLANGE	1	H11	16850007E0	WASHER M5	1
H6	1640580QB0	COVER	1	H12	168529TFB0	SPACER	1
H7	167007ZAB0	NUT	1	H13	1691000200	SPRING	1
H8	16732001E0	COUPLER	1	H14	4022100100	GREASER M6X1	1
H9	1680700200	CONVEYOR-CAP GASKET	1	H15	4022200005	Y-SEAL 37X27X7	1
H10	168409PQB0	RING NUT	1	H16	4022200330	O-RING 3375	1
H11	16850007E0	WASHER M5	1	H17	4026102804	SCREW TE M8X16 GALV.	4
H12	168529TFB0	SPACER	1	H18	4026102807	SCREW TE M8X25 GALV.	4
H13	1691000200	SPRING	1	H19	4026102911	SCREW TE M10X45 GALV.	2
H14	4022100100	GREASER M6X1	1	H20	4026121405	SCREW TCEI M8X20 GALV.	4
H15	4022200005	Y-SEAL 37X27X7	1	H21	4026155002	SCREW INOX304 TSPEI M5X10	1
H16	4022200330	O-RING 3375	1	H22	4026312B01	WASHER DA 8	4
H17	4026102804	SCREW TE M8X16 GALV.	4	H23	4026350708	WASHER GROWER 10 GALV.	2
H18	4026102807	SCREW TE M8X25 GALV.	4	H24	4026351505	WASHER M8 GALV.	8
H19	4026102911	SCREW TE M10X45 GALV.	2	H25	4029602700	PROTECTION CAP	1
H20	4026121405	SCREW TCEI M8X20 GALV.	4		14302030E0	KIT INVERSOIRE IDRAULICO LC750	
H21	4026155002	SCREW INOX304 TSPEI M5X10	1	H1	14302031E0	ATTUATORE HDR ANGOLARE	1
H22	4026312B01	WASHER DA 8	4	H2	160858LLB0	DEVIATORE ATTUATORE	1
H23	4026350708	WASHER M8 GALV.	2	H3	16100416E0	FLANGIA SUPPORTO ATTUATORE HDR	1
H24	4026351505	SCREW TE M8X25 GALV.	8	H4	16120286K0	PIASTRINA	1
H25	4029602700	PROTECTION CAP	1	H5	161258L9B0	SCATOLA ATTUATORE	1
	14302032E0	LC420-580 HYD OPERATED 4-WAY KIT		H6	1640580QB0	COPERCHIO ATTUATORE	1
H1	14302031E0	HYDRAULIC ACTUATOR	1	H7	167007ZAB0	DADO FILETTATO ATTUATORE	1
H2	160858KBB0	INSIDE VALVE	1	H8	16732001E0	MANICOTTO ATT. HDR DEVIATORE 4-VIE	1
H3	16100416E0	HYDRAULIC ACTUATOR FLANGE	1	H9	1680612200	GUARNIZIONE CAPPELLOTTO	1
H4	16120286K0	PLATE	1	H10	168409PQB0	GHIERA REGOLAZIONE DEVIATORE	1
H5	161258H0B0	SUPPORT FLANGE	1	H11	16850007E0	RONDELLA VITE M5	1

H12	168529TFB0	DISTANZIALE ATTUATORE	1	H19	4026102911	VITE TE M10X45 ZINC.	2
H13	1691000200	MOLLA DEVIATORE CORTA	1	H20	4026121405	VITE TCEI M8X20 ZINC.	4
H14	4022100100	INGRASSATORE SFERICO DIR. M6X1	1	H21	4026155002	VITE INOX304 TSPEI M5X10	1
H15	4022200005	ANELLO TENUTA 37X27X7	1	H22	4026312B01	RONDELLA IN RAME DA 8	4
H16	4022200330	ANELLO OR 3375	1	H23	4026350708	RONDELLA GROWER 10 ZINC. PIATTA	2
H17	4026102804	VITE TE M8X16 ZINC.	4	H24	4026351505	RONDELLA DENTATA M8 ZINC.	8
H18	4026102807	VITE TE M8X25 ZINC.	4	H25	4029602700	CAPPUCCIO PROTEZIONE	1



Pos.	Code	Description	Q.ty
LC300			

VERSION WITH FLANGE

F1	1627505500	FLANGED MANIFOLD	1
F2	1627505600	WASHER GROWER M8	1
F3	4026350706	SCREW M8X25	12
F4	4026102807	SCREW M10X10	12
F5	4026135504	FLANGED MANIFOLD	1

1852109000 ADJUSTABLE CONVEYOR Ø76

C1	1610100000	CONVEYOR FLANGE	1
C2	1627100500	CONVEYOR Ø76	1
C3	4022200307	OR 6287	1
C4	4026103002	SCREW M12X30	2
C5	4026350709	WASHER GROWER M12	2

LC420-580

VERSION WITH FLANGE

F1	1627504800	FLANGED MANIFOLD	1
F2	1627504900	TOOTHED WASHER M8	1
F3	4026351505	SCREW M8X25	12
F4	4026102807	SCREW M10X10	12
F5	4026135504	FLANGED MANIFOLD	1

1852103900 ADJUSTABLE CONVEYOR Ø80

1852104000 ADJUSTABLE CONVEYOR Ø100

C1	1610101100	CONVEYOR FLANGE	1
C2	1627102700	CONVEYOR Ø80	1
	1627102400	CONVEYOR Ø100	1
C3	4022200310	O-RING 6362	1
C4	4026102808	SCREW TE M8X30 UNI5739 GALV.	4
C5	4026350706	WASHER GROWER 8 FLAT SEC. GALV.	4

Pos.	Code	Description	Q.ty
LC750			

VERSION WITH FLANGE

F1	1610040000	FLANGE	2
F2	168079XIB0	GASKET	2
F3	4026102808	SCREW TE M8X30 GALV.	8
F4	4026350706	SCREW GROWER M8 GALV.	8

1852104300 ADJUSTABLE CONVEYOR Ø120

C1	1610101200	FLANGE	2
C2	1627102900	CONVEYOR D.120	2
C3	4022200314	O-RING 193 VITON	2
C4	4026102808	SCREW TE 8,8 M8X30 GALV.	8
C5	4026350706	WASHER GROWER M8 GALV.	8

Model	Issue date	Revision No.	Revision date	Filled out by	Viewed by
LC	05-05-2008	12	10-12-2021	U.T.	A.T.

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Juop SpA reserves the right to modify the products described in this manual without prior notice.