# Original Operating Instructions C-DLR 401 | 501

Compressor





















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# 1 Foreword

# 1.1 Principles

These operating instructions:

- are a part of the following contact free running claw compressors C-DLR 401 and C-DLR 501.
- describe how to use them safely and properly in all life phases.
- must be available where the equipment is used.

# 1.2 Target group

The target group for these instructions is technically trained specialists.

# 1.3 Supplier documentation and accompanying documents

Document	Contents	No.	
	Operating Instructions	BA 888-EN	
Supplier documentation	Declaration of Conformity	C 0079-EN	
	Declaration of harmlessness	7.7025.003.17	
Spare parts' list	Spare parts document	E 888	
Data sheet	Technical data and graphs	D 888	
Info sheet	Storage guidelines for machines	I 150	
Manufacturer's declaration	EU Directive 2011/65/EU (RoHS II)	_	

# 1.4 Abbreviations

Fig. Figure

C-DLR Compressor

m³/h Capacity, volume flow

bar Overpressure

# 1.5 Directives, standards, laws

See Conformity Declaration



# 1.6 Symbols and meaning

Symbol	Explanation				
$\triangleright$	Condition, pre-requisite				
####	Instructions, action				
a), b),	Instructions in several steps				
⇒	Results				
[-> 14]	Cross reference with page number				
i	Information, note				
$\triangle$	Safety symbol Warns of potential risk of injury Obey all the safety instructions with this symbol in order to avoid injury and death				

# 1.7 Technical terms and meaning

Term	Explanation
Machine	Compressor and motor combination ready to be connected
Motor	Compressor drive motor
Compressor	Machine to produce excess pressure
Claw	Machine's design or active principle
Volume flow	The volume flow specifies how much air or gas volume per time unit is fed in by a compressor or flows through a pipe.
Final compression pressure	Maximum excess pressure that a compressor can produce given as excess pressure in bars
Noise emission	The noise emitted at a specific loading given as a figure, sound pressure level dB(A) as per EN ISO 3744.

# 1.8 Copyright

Passing on or copying this document, using and providing information on its contents are prohibited unless expressly permitted. Contraventions will lead to claims for damages



# 2 Safety

The manufacturer is not responsible for damage if you do not follow all of this documentation.

# 2.1 Warning instruction markings

Warning	Danger level	Consequences if not obeyed	
<b>A</b> DANGER	immediately imminent danger	Death, severe bodily injury	
WARNING	possible imminent danger	Death, severe bodily injury	
<b>CAUTION</b>	possible hazardous situation	Slight bodily injury	
NOTICE	possible hazardous situation	Material damage	

### 2.2 General

These operating instructions contain basic instructions for installation, commissioning, maintenance and inspection work which must be obeyed to ensure the safe operation of the machine and prevent physical and material damage.

The safety instructions in all sections must be taken into consideration.

The operating instructions must be read by the responsible technical personnel/ operator before installing and commissioning and must be fully understood. The contents of the operating instructions must always be available on site for the technical personnel/operator. Instructions fixed directly onto the machine must be obeyed and must always remain legible. This applies for example to:

- Symbols for connections
- Data and motor data plate
- Instruction and warning plates

The operator is responsible for observing local regulations.



# 2.3 Designated use

The machine must only be operated in such areas as are described in the operating instructions:

- only operate the machine in a technically perfect condition
- do not operate the machine when it is only partially assembled
- the machine must only be operated at an ambient temperature and suction temperature of between 5 and 40°C. Please contact us for temperatures outside this range.
- the machine may convey, compress or extract the following media:
  - all non-explosive, non-inflammable, non-aggressive and non-poisonous dry gases and gas air mixtures

# 2.4 Unacceptable operating modes

- extracting, conveying and compressing explosive, inflammable, aggressive or poisonous media, e.g. dust as per ATEX zone 20-22, solvents as well as gaseous oxygen and other oxidants, water vapour, liquids or solid materials
- must not be operated in rooms that are at risk of explosion and in Zone 22 dusty atmospheres that are at risk of explosion
- using the machine in non-commercial plants if the necessary precautions and protective measures have not been taken in the plant
- installing in environments that are at risk of explosions
- using the machine in areas with ionising radiation
- modifications to the machine and accessories



# 2.5 Personal qualifications and training

- Ensure that people entrusted with working on the machine have read and understood these operating instructions before starting work, particularly the safety instructions for installation, commissioning, maintenance and inspection work.
- Manage the responsibilities, competence and monitoring of staff
- all work must only be carried out be technical specialists:
  - Installation, commissioning, maintenance and inspection work
  - · Working with electricity
- personnel being trained to work on the machine must be supervised by technical specialists only

# 2.6 Safety-conscious work

The following safety regulations apply in addition to the safety instructions and intended use listed in these instructions:

- Accident prevention regulations, safety and operating regulations
- the standards and laws in force

# 2.7 Safety notes for the operator

- hot parts of the machine must not be accessible during operation or must be fitted with a guard
- People must not be endangered by the free extraction or discharge of pumped media
- Risks arising from electrical energy must be eliminated.
- The machine must not be in touch with inflammable substances.
   Danger of fire by hot surfaces, discharge of pumped media or cooling air



# 2.8 Safety instructions for installing, commissioning and maintenance

- The operator will ensure that any installation, commissioning and maintenance work is carried out by authorised, qualified specialists who have gained sufficient information by an in-depth study of the operating instructions.
- Only work on the machine when it is idle and cannot be switched on again
- Ensure that you follow the procedure for decommissioning the machine described in the operating instructions.
- Fit or start up safety and protective devices again immediately after finishing work.
- Conversion work or modifications to the machine are only permissible with the manufacturer's consent.
- Only use original parts or parts approved by the manufacturer. The use of other parts may invalidate liability for any consequences arising.
- Keep unauthorised people away from the machine

## 2.9 Guarantee conditions

The manufacturer's guarantee or warranty will no longer apply in the following cases:

- Improper use
- Not complying with these instructions
- Operation by insufficiently qualified staff
- Using spare parts that have not been approved by Gardner Denver Schopfheim GmbH
- Unauthorised modifications to the machine or the accessories supplied by Gardner Denver Schopfheim GmbH



# 3 Transport, storage and disposal

# 3.1 Transportation

# 3.1.1 Unpack and check the delivery condition

## 3.1.2 Lifting and transporting

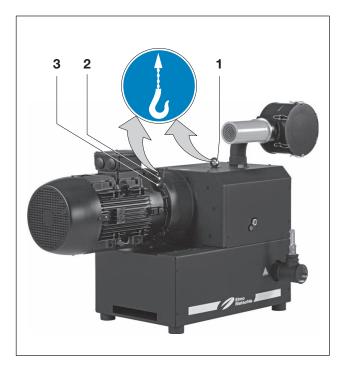


Fig. 1 Lifting and transporting

- 1 Eyebolt
- 2 Transport shackle
- 3 Fixing screw

- a) Unpack the machine on receipt and check for transport damage.
- Notify the manufacturer of transport damage immediately.
- c) Dispose of the packaging in accordance with the local regulations in force.

# A

### WARNING

# Death or limbs crushed as a result of the items being transported falling or tipping over

- When transporting with the lifting device remember:
- a) Select the lifting device suitable for the total weight to be transported.
- b) Ensure that the machine cannot tip and fall.
- c) Do not stop under a suspended load.
- d) Put the goods to be conveyed on a horizontal base.

# Lifting device/ Transporting with a crane



# WARNING

# **Bodily injury resulting from improper operation**

- a) Loads crosswise to the ring level are not permitted.
- b) Avoid impact stress.
- Tighten the eyebolt (Fig. 1/1) and fixing screw (Fig. 1/3) on the transport shackle (Fig. 1/2) firmly.
- The machine must be suspended on the eyebolt and the transport shackle using the lifting device.



# 3.2 Storage

# **NOTICE**

Material damage caused by improper storage.

- Ensure that the storage area meets the following conditions:
- a) dust free
- b) vibration free

# 3.2.1 Ambient conditions for storage

Ambient conditions	Value
Relative humidity	0% to 80%
Storage temperature	-20°C to +70°C



The machine must be stored in a dry environment with normal air humidity. It should not be stored for more than 6 months.

see Info "Machine storage guidelines", Page 4

# 3.3 Disposal



# **WARNING**

Danger from inflammable, corrosive or poisonous substances.

Machines that come into contact with hazardous substances must be decontaminated before disposal.

- > When disposing ensure the following:
- a) Collect oils and grease separately and dispose of in accordance with the local regulations in force.
- b) Do not mix solvents, cold cleaners and paint residues.
- Remove components and dispose of them in accordance with the local regulations in force.
- d) Dispose of the machine in accordance with the national and local regulations in force.
- e) Parts subject to wear and tear (marked as such in the spare parts list) are special waste and must be disposed of in accordance with the national and local waste laws.



# 4 Set up and operation

# 4.1 Setup

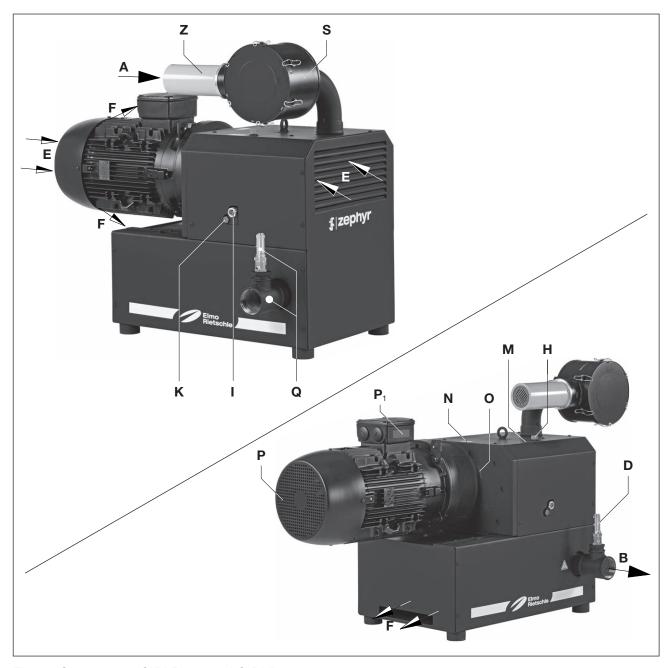


Fig. 2 Compressor C-DLR 401 and C-DLR 501

Α	Suction	M	Oil recommendation plate
В	Pressure connection	N	Data plate
D	Safety valve	0	Direction of rotation arrow
E	Cooling air inlet	Р	Drive motor
F	Cooling air outlet	$\mathbf{P}_1$	Motor data plate
н	Oil filling point	Q	hot surfaces > 70°C
I	Oil sight glass	S	Suction filter
K	Oil discharge point with magnet	Z	Intake silencer

### 4.1.1 Data plate

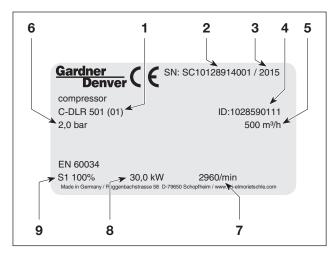


Fig. 3 Data plate

- Type/ Size (mechanical version)
- 2 Serial number
- 3 Year of construction
- 4 Item no.

1

- 5 Capacity
- 6 Overpressure
- 7 Speed
- 8 Motor output
- 9 Operating mode

#### 4.2 **Description**

The C-DLR 401 and C-DLR 501 models has a connecting thread on the pressure side and an intake silencer on the suction side. The incoming air is cleaned by a filter cartridge.

The C-DLR 401 and C-DLR 501 are double shaft rotary piston compressors in which the claws roll off against each other contact free and dry. The counter-rotating claw rotors are synchronised by a gear pair in the gearbox. The synchronous gearbox gear wheels and the bearing on the motor side are lubricated with oil. These components are in a gearbox that also contains the oil supply. Oil conveying devices always ensure that the bearings and the gear wheels are sufficiently supplied with oil at all permissible speeds. The gearbox and the compression chamber are separated from each other by special seals. The gearbox is sealed from the outside with shaft seals and O rings, the compressor chamber with piston rings. Between them there is also another atmospherically ventilated area which can be loaded with sealing gas (special version).

The C-DLR 401 and C-DLR 501 are encapsulated by an insulating hood. In order to dissipate compression heat, the cooling air is sucked through between the machine and the hood using drum fan that sucks in the fresh cooling air (Fig. 2/E) and discharges the heated air out of the cooling air outlet (Fig. 2/F). The C-DLR 401 and C-DLR 501 are driven by standard flanged three phase motors via a coupling. To protect against overload a safety valve (Fig. 2/D) is fitted as standard.

#### 4.3 Areas of application

This contact free running claw compressors C-DLR are suitable for creating excess pressure between 0 and the maximum limit (in bars) given on the data plate Fig. 2/N). Constant operation is permissible.

The compressor have flow rates of 400 m<sup>3</sup>/h and 500 m<sup>3</sup>/h at 50 Hz. The load limits (bars) on the pressure side are given on the data plate (N). Data sheet D 888 shows the dependency of the flow rate on the excess pressures.



If the unit is switched on more frequently (at regular intervals of about 10 times an hour) or at higher ambient temperatures and intake temperatures, the excess temperature limit of the motor winding and the bearings may be exceeded. Please contact the manufacturer should the unit be used under such conditions.

If it is installed in the open air the unit must be protected from environmental influences, (e.g. by a protective roof).



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# 5 Installation

# 5.1 Preparing for installation

Check the following points:

- · Machine freely accessible from all sides
- Do not close ventilation grids and holes
- Sufficient room for installing and removing pipes and for maintenance work, particularly for installing and dismantling the machine
- No external vibration effects
- Do not suck any hot exhaust air from other machines into the cooling system.



The oil filling point (Fig. 2/H), oil sight glass (Fig. 2/I) and the oil outlets (Fig. 2/K) must be easily accessible. The cooling air inlets (Fig. 2/E) and the cooling air outlets (Fig. 2/F) must be at least 30 cm away from adjacent walls. Cooling air coming out must not be sucked in again. For maintenance work there must be a minimum of 40 cm in front of the inlet filter (Fig. 2/S) and the inlet silencer (Fig. 2/Z).

## 5.2 Installation

# **NOTICE**

The machine may only be operated when it is set up horizontally.

Material damage resulting from the machine tipping over and falling.

When installed at more than 1000 m above sea level a reduction in power is noticeable. In this case we would ask you to contact us.

The C-DLR 401 and C-DLR 501 must not be operated without covering plates.

Ensure that the foundation complies with the following conditions:

- Level and straight
- The bearing surface must be designed to be able to take the weight of the machine.



It is possible to install the machine on a firm base without anchoring. When installing on a substructure we recommend fixing with flexible buffers.



# 5.3 Connecting pipes

a) Pressure connection at (Fig. 2/B).

## **NOTICE**

Material damage resulting from the forces and torques of the pipes on the unit being too high. Only screw pipes in by hand.

The compressor volume flow is reduced if the pressure pipe is too narrow and/or too long.

b) Check to ensure the pressure line is connected correctly.

# **NOTICE**

# Length of the connection pipes

With connection pipes that have the same pipe cross section as the machine connection and are more than 3m long, a non-return valve especially for the purpose must be installed in order to avoid reverse operation when the machine has stopped.

# 5.4 Safety valve

As a protection against overload a safety valve (Fig. 2/D) is installed as standard.

# **NOTICE**

# Do not operate without the standard safety valve

If the permissible final compression pressure is exceeded (see data plate) the machine may be damaged.

The safety valve is a part that is subject to wear and must be replaced after 10,000 hours or after no more than 2 years



# 5.4 Filling with lubricating oil

- a) Fill the lubricating oil (for suitable types see "Maintenance") for the gear wheels and oil filling point (Fig. 2/H) up to the middle of the sight glasses (Fig. 2/I).
- b) Close the oil filling point.

# 5.5 Connecting the motor



# **A** [

## **DANGER**

# Danger of death if the electrical installation has not been done professionally.

The electrical installation must only be done by a qualified electrician observing EN 60204. The operating company has to provide the main switch.

- a) The motor's electrical data is given on the data plate (Fig. 2/N) or on the motor data plate (Fig. 2/P<sub>1</sub>). The motors comply with DIN EN 60034 and are in protection class IP55 and insulation class F. The appropriate connection diagram is located in the motor's terminal box (not for the plug connection version). The motor data must be compared with the data of the existing mains network (current type, voltage, network frequency, permitted current value).
- b) Connect the motor via the plug connection or the motor protection switch (for safety reasons, a motor protection switch is required and the connecting cable must be installed via a cable fitting to provide strain relief).
   We recommend using motor protection switches with delayed switch off, depending on possible excess current. Temporary excess current may occur when the machine is started cold.

# **NOTICE**

# **Power supply**

The conditions at the installation location must match the information on the motor data plate.

Without derating the following is permissible:

- ± 5% Voltage deviation
- ± 2% Frequency deviation



# 6 Commissioning and decommissioning

# 6.1 Commissioning



# **WARNING**

# Improper use

May lead to severe or fatal injuries. Therefore be sure to obey the safety instructions.





# **CAUTION**

## Hot surfaces

When the machine is at operating temperature the surface temperatures on the components (Fig. 2/Q) may go above 70°C.

You must avoid touching the hot surfaces (marked with warning plates).



# A

# **CAUTION**

# **Noise emission**

The highest noise pressure levels measured as per EN ISO 3744 are given in Section 9. When spending a long time in the vicinity of the running machine use ear protectors to avoid permanent damage to your hearing.

# NOTICE

# Wait until the machine stops

The machine must only be switched on again after it stops.



# 6.1.1 Checking the rotation direction

- The intended direction of rotation of the drive shaft is shown by the rotary direction arrow (Fig. 2/O).
- Start the motor briefly (max. two seconds) to check the direction of rotation. When looking at the motor fan, it must rotate anti-clockwise.



# NOTICE

## Incorrect direction of rotation

Operating in the wrong direction of rotation leads to damage to the machine.

Use a phase sequence indicator to check the direction of rotation (clockwise rotating field).

# 6.2 Decommissioning/ storing

# Stop the machine

- a) Switch the machine off.
- b) If available close the cut off device in the suction and pressure pipe.
- Disconnect the machine from the electricity source.
- d) Depressurise the machine: Open the pipes slowly.
  - ⇒ The pressure reduces slowly.
- e) Remove the pipes and hoses.
- f) Seal the connections for suction and discharge nozzles with adhesive foil.
- e see also Section 3.2.1, Page 11

# 6.3 Re-commissioning

- a) Check the condition of the machine (cleanliness, cabling etc.).
- For installation see Section 5 Page 14
- For commissioning see Section 6.1 Page 17



# 7 Maintenance and repair





# **DANGER**

# Danger of death from touching live parts.

Before maintenance work disconnect the machine by pressing the main switch or unplugging it and ensure that it cannot be turned on again.





# **WARNING**

### Hot surfaces

During maintenance work there is the danger of getting burnt on hot components (Fig. 2/Q) of the machine.

Wait for the machine to cool down.

# 7.1 Ensuring operational safety

Regular maintenance work must be carried out in order to ensure operational safety.

Maintenance intervals also depend on the operational demands on the machine.

With any work observe the safety instructions described in Section 2.8 "Safety notes for installation, commissioning and maintenance".

The whole unit should always be kept in a clean condition.

# 7.2 Maintenance work

Interval	Maintenance to be carried out	Section
monthly	Check the pipes and screws for leaks and to ensure they are seated properly and if necessary seal again or tighten up.	_
monthly	Check the terminal box and cable inlet holes for leaks and if necessary re-seal.	_
monthly	Clean the safety valve and ventilation slots on the machine and the motor cooling ribs.	_
10,000 h	Replace the safety valve	_
monthly	Check the oil level	7.2.1
20,000 h	Changing the oil	
monthly/ every 6 months	Clean or replace filter cartridge	7.2.2
depending on how dirty the discharged medium is	Clean the micro filter	



# 7.2.1 Changing the oil

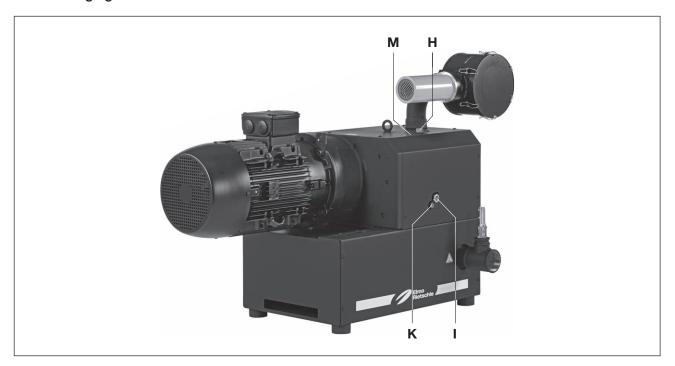


Fig. 3 Changing the oil

H Oil filling point

I Oil sight glass

K Oil discharge point

M Oil recommendation plate

# **NOTICE**

Always change the oil when the machine is at operating temperature and in an atmospherically ventilated area.

If it is not completely emptied the amount that can be refilled is reduced.

The waste oil must be disposed of in compliance with the local environmental protection regulations. If you are going to use another oil type, empty the oil removing device housing and oil cooler completely.

The oil level in the sight glasses (Fig. 3/I) must be checked every month.

The machine must be switched off and vented to atmospheric pressure to top up the oil. With clean operations the oil must be changed after every 20,000 operating hours.

The oil viscosity must comply with ISO VG 150 as per DIN 51519.

Designation as per DIN 51502: CLP HC 150. We recommend the following oil brand: GEAR-LUBE 150 or equivalent oils by other manufacturers (also see oil recommendation plate (Fig. 3/M)).



# 7.2.2 Air filtering

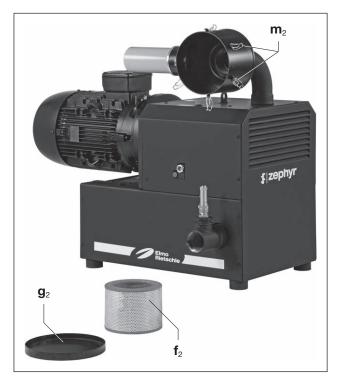


Fig. 4 Suction filter

 $\mathbf{f}_2$ Filter cartridge

Filter cover  $\mathbf{g}_2$ 

Tension clamp  $\mathbf{m}_2$ 

# **NOTICE**

Insufficient maintenance on the air filter The power of the machine lessens and damage may occur to the machine.

The filter cartridge (Fig. 4/f<sub>2</sub>) for the suction filter (Fig. 2/S) must be cleaned monthly or more often depending on the level of contamination by purging from the inside outwards. In spite of cleaning the filter its separation efficiency will continue to deteriorate. Therefore the filter should be replaced every six months.

The filter cartridge (Fig. 4/f<sub>2</sub>) can be removed after undoing the tension clamps (Fig. 4/m<sub>2</sub>).

## **NOTICE**

Do not damage the filter cartridges when cleaning them.

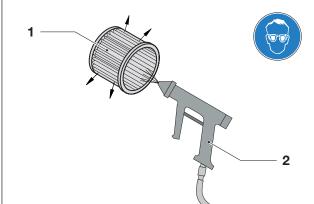


Fig. 5 Purging filter cartridge

Filter cartridge 1

2 Compressed air



# **WARNING**

# Danger of injury when dealing with compressed air.

When blowing through with compressed air, solid particles may be carried along or powder dust swirling around may cause injury to the eyes.

Therefore, when cleaning with compressed air always wear goggles and a dust mask.



# 7.3 Repair/ Service

Gardner	U	nbedenklid	rmular chkeitserklärung en und Komponenten		7025.003 GS leite 1 von	
Gardner Denver Schopfhe Roggerbachetr, 58, 79650 Sch	im GmbH		en und Komponenten 2(0)76227392-0 Fax: +45			1
Die Reparatur und/oder die We korrekt und vollständig ausgefü arbeiten begonnen werden und Diese Erklänung darf nur von a	etung von Vak litte Erklänung I Verzügenung	vorliegt. Ist i	und Komponenten wird n das nicht der Fall, kann nic folge.	er durchgeführ nt mit den Rep	t, wenn nir	ne
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tst die Pumpe/Komponente ger	reinigt, delkonta	aminiert,	Radioaktiv*)	JA D	NEIN	
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Telefon: Name (in Druck-			Telefac:			-
buchstaben)			Position:			_
Datum:			Firmenstempel:			
Datum: Rechtsyndiedliche Unterschrift						

Fig. 6 Clearance certificate 7025.003.17

a) For on site repair work the motor must be disconnected from the mains by a qualified electrician so that it cannot be started up again accidentally. For repairs use the manufacturer, its branch offices or authorised dealers. Please contact the manufacturer for the address of the service centre responsible for you (see Manufacturer's address).

# **NOTICE**

For each machine that is sent to an Elmo Rietschle Service centre for inspection, maintenance or repair, a fully completed, signed declaration of harmlessness must be enclosed.

The declaration of harmlessness is part of the supplier's documentation.

 After a repair or re-commissioning, the actions listed under "Installation" and "Commissioning" must be carried out as for initial commissioning.



# 7.4 Spare parts

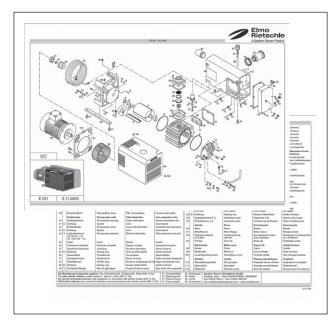


Fig. 7 Spare parts list (example)



Fig. 8 Web site http://www.service-er.de

Order spare parts in accordance with the:

• Spare parts list:

**E 888** → C-DLR 401 / C-DLR 501

• Download the PDF file

# http://www.gd-elmorietschle.com

- → Downloads
- → Product Documents
- → C-Series → Spare Parts
- Parts subject to wear and gaskets are indicated separately on the list

## • Web site:

# http://www.service-er.de

Select the type, size and design.

# NOTICE

Only use original spare parts or parts approved by the manufacturer. The use of other parts may lead to malfunctions and invalidate liability or the guarantee for any consequences arising.

# 8 Malfunctions: Causes and elimination

Fault	Cause	Troubleshooting	Important	
Machine is switched off by the motor protection switch	Mains voltage/ Frequency does not correspond with the motor data	Check by qualified electrician	Section 5.5	
	Connection to motor terminal board is not correct			
	Motor protection switch is not set correctly			
	Motor protection switch is triggered too quickly	Use a motor protection switch with an overload-dependent delayed switch off that takes into consideration the short term excess current at start up (version with short circuit and overload trigger as per VDE 0660 Part 2 orIEC 947-4)		
	The safety valve is dirty so that the permissible pressure is exceeded.	Clean or replace the safety valve	Section 7.2 Section 7.4	
Blowing capacity is insufficient	The suction filter is dirty	Clean or replace the suction filter	Section 7.2.2 Section 7.4	
	The pressure line is too long or too narrow	Check the hose or the pipe	Section 5.3	
	Machine or system leaking	Check the pipework and screw connections for leaks and to ensure that they are firmly seated.	Section 7.2	



Fault	Cause	Troubleshooting	Important			
Final pressure (max. excess pressure) has not been reached	Machine or system leaking	Check the pipework and screw connections for leaks and to ensure that they are firmly seated.	Section 7.2			
	Driving power selection too low	Use next largest motor output	Data sheet D 887			
Machine gets too hot	Ambient or intake temperature is too high	Ensure it is being used properly	Section 2.3			
	Cooling air supply is obstructed	Check environmental conditions	Section 5.1			
		Clean ventilation slots	Section 7.2			
	The safety valve is dirty so that the permissible pressure is exceeded.	Clean or replace the safety valve	Section 7.2 Section 7.4			
The machine makes a abnormal noise	Deposits on the rotary piston	Clean the working space and the rotary piston	Elmo Rietschle Service			
	The safety valve is vibrating	Replace the valve	Section 7.4			
Please contact Elmo Rietschle Service for other malfunctions or those that cannot be eliminated.						



# 9 Technical Data

C-DLR			401	501	
ound pressure level (max.)		50 Hz		86	
EN ISO 3744 Tolerance±3 dB(A)	dB(A)	60 Hz		87	
Cound navor lovel	dB(A)	50 Hz		101	
Sound power level		60 Hz		102	
Weight *	kg			576	
Length *	mm			1359	
Width	mm			747	
Height	mm			1128	
Pressure connection			G 3		
Correct amount of oil	I		1,85		

<sup>\*</sup> The length and the weight may differ from the information listed here depending on the motor manufacturer.

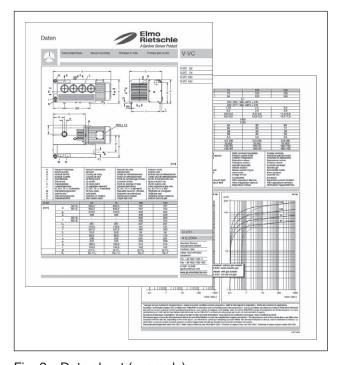


Fig. 9 Data sheet (example)

You will find more technical data on the data sheet **D 888.** 

- Download the PDF file:
   D 888 → C-DLR 401 / C-DLR 501
  - Download the pdf file http://www.gd-elmorietschle.com
    - → Downloads
    - → Product Documents
    - → C-Series → Data Sheets

# NOTICE

Subject to technical changes.





# www.gd-elmorietschle.com

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# Gardner Denver Schopfheim GmbH

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Elmo Rietschle is a brand of Gardner Denver's Industrial Products Division and part of Blower Operations.



# EC - declaration of conformity 2006/42/EC

Hereby the manufacturer Gardner Denver Schopfheim GmbH

confirms:

Postfach 1260

D-79642 Schopfheim

that the machine: compressor

of the: Series: C-DLR

Type: C-DLR 60, C-DLR 100, C-DLR 120,

C-DLR 150, C-DLR 250, C-DLR 300,

C-DLR 400, C-DLR 500

C-DLR 301, C-DLR 401, C-DLR 501

is conform to the regulations of the guideline indicated above.

The following harmonized and national standards and specifications are applied:

EN 1012-1:2010 Compressors and vacuum pumps — Safety requirements — Part 1:

Compressors

These declarations of conformity are invalid when the machine has been modified without prior approval by us and the approval has been documented in writing.

Name and address of the EC person in

charge for documentation

Gardner Denver Schopfheim GmbH

Postfach 1260

D-79642 Schopfheim

Gardner Denver Schopfheim GmbH

Schopfheim, 1.3.2015

Dr. Friedrich Justen, Director Engineering

C 0079 EN

# Gardner Denver

# Safety declaration form for vacuum pumps and components

7.7025.003.17

Page 1 of 1

Roggenbachstr. 58, 79650 Schopfheim

Phone: +49/(0)7622/392-0 Fax: +49/(0)7622/392-300

Repairs and/or maintenance of vacuum pumps and components will only be carried out if a declaration has been filled in <u>correctly and completely</u>.

If not, the repair work cannot be This declaration must only be f	e started and			staff.					
1. Type of vacuum pumps/ components			2. Reason for the submission						
Type description:  Machine number  Order number:  Delivery date:									
3. Condition of vacuum pu	ımps/ comp	onents	4. Contamin	ation of the	vacuun	n pur	mps/		
Was this being operated? Which lubrication was used?	YES 🗖	NO 🗖	Toxic Corrosive	nts when in u	YES YES		NO NO		
Was the pump/ component em (Product/Consumables) Has the pump/ component bee	YES 🗆	NO □ I decontamina		al*)	YES YES YES		NO NO		
	YES 🗆		other		YES		NO		
Cleaning agent: Cleaning method:									
*) Microbiological, explosive or with proof that they have bee	-		vacuum pump	s/ components	will only	/ be a	ccepte	ed	
Type of toxic substance or procomponents came into contact		langerous rea	ction products	with which the	vacuum	pum	ps/		
Trade name, manufacturer's product name	Chemical name	Hazard class	Action to be ta substances ar					nt of	
<u> </u>									
3									
4									
Personal protection measures:		-							
Hazardous decomposition prod Which?	ducts when su	bjected to the	rmal load		YES		NO		
5. Legally binding declarate	tion								
We swear that the information position to judge this. We are a inaccurate information. We und from incomplete or incorrect into third parties including in part	in this declara ware that we dertake to rele formation. We	are liable to thase the contra are aware tha	ne contractor for actor from any at, regardless o	or damage caus damage claims of this declaration	sed by ir from th on, we a	ncomp ird pa ire dir	olete a irties a ectly li	nd rising	
Company:									
Street:		Pos							
Phone:									
Name (in capitals)			Position:						
Date:	ite:Co				Company stamp:				
Legally binding signature:									
TOS no. / Index: 7.7025.003.17 / 03		Office responsib	le: GS	File management:	\770250	00317.	κl		