

Spare parts list

M R S

Motor Clamshell Grab

No. 2.3G.2232 - 2234

3,7 m³

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Technical Data

1.0

Motor Clamshell Grab with electro-hydraulic drive

Grab Serial No.: 2.3.2232 - 2234

Year of construction: 1998

Capacity: 3,7 m³

Dead weight: 3.100 kg

Closing time: 10,5 sec.

Opening time: 6,0 sec.

Hydraulic pressure

"Closing": 220 bar

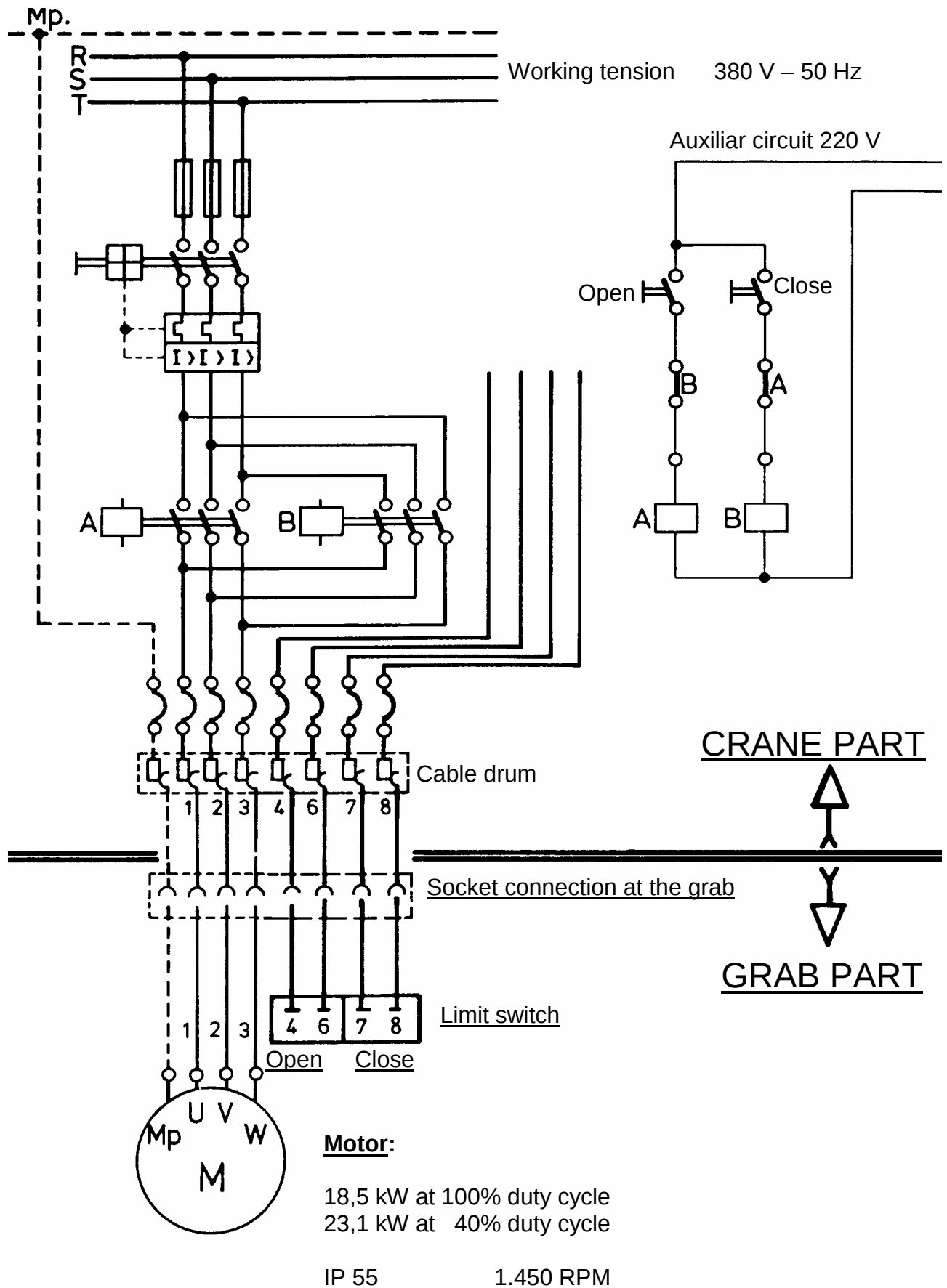
"Opening": 150 bar

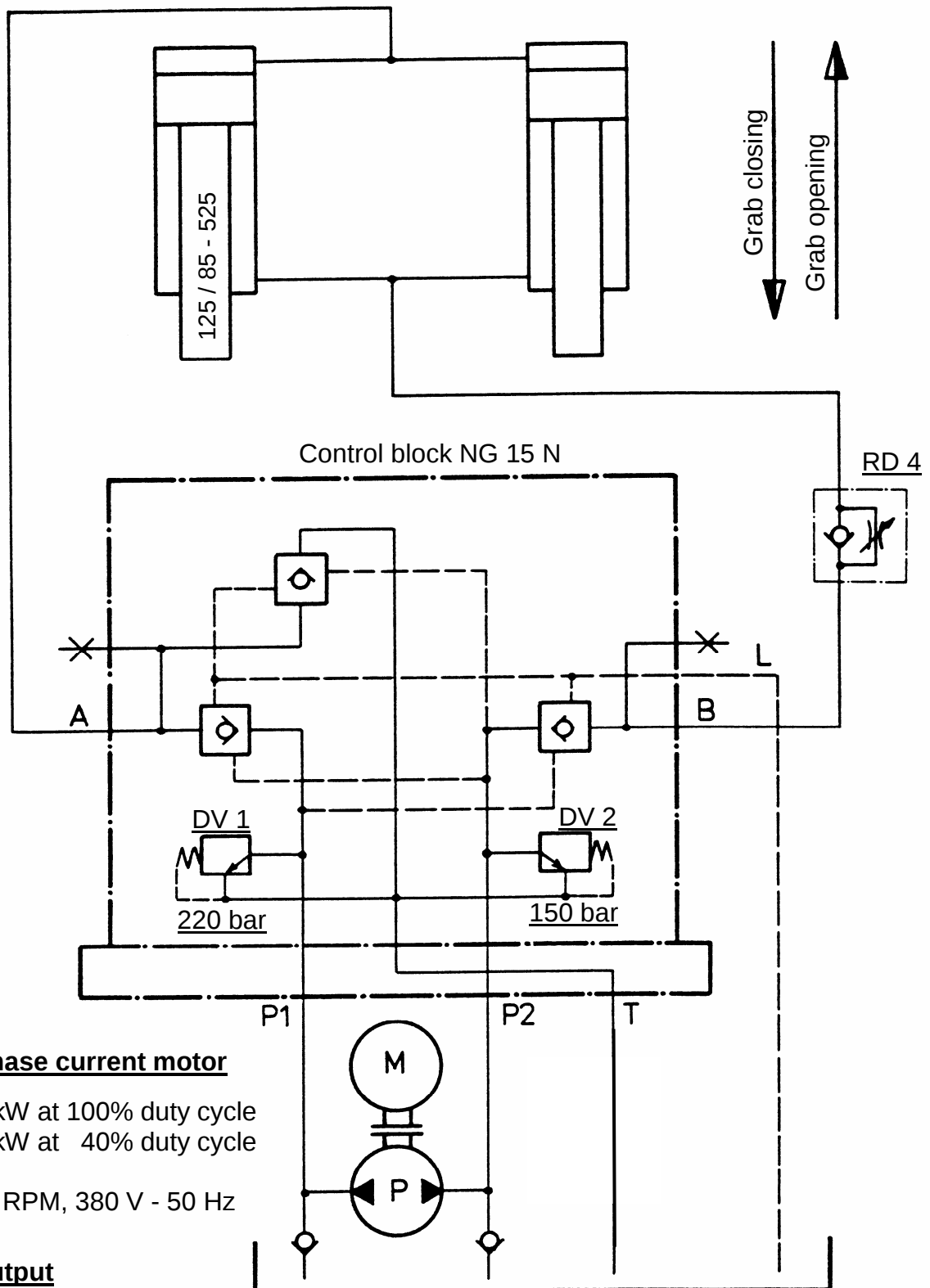
Driving parts

- 1.) E – Motor: 18,5 kW at 100% duty cycle 23,1 kW at 40% duty cycle
Protection: IP 55
Rotations: 1.450 RPM
Working tension: 380 V - 50 Hz
- 2.) Axial piston pump: in bent axis design, fixed displacement
Type: A2FM 45
Oil output of pump: 66,0 l/min
- 3.) Hydraulic cylinders: 2 pieces, double - acting, piston rod hard - chromed
Type: 125 / 85 - 525
Brand: MRS
- 4.) Control block: NG 15 N
Brand: Rexroth
- 5.) Tank capacity: 140 litres
Oil type: Renolin B10 VG 32

Electric wiring diagram 26.0.2692.4

2.0





Three-phase current motor

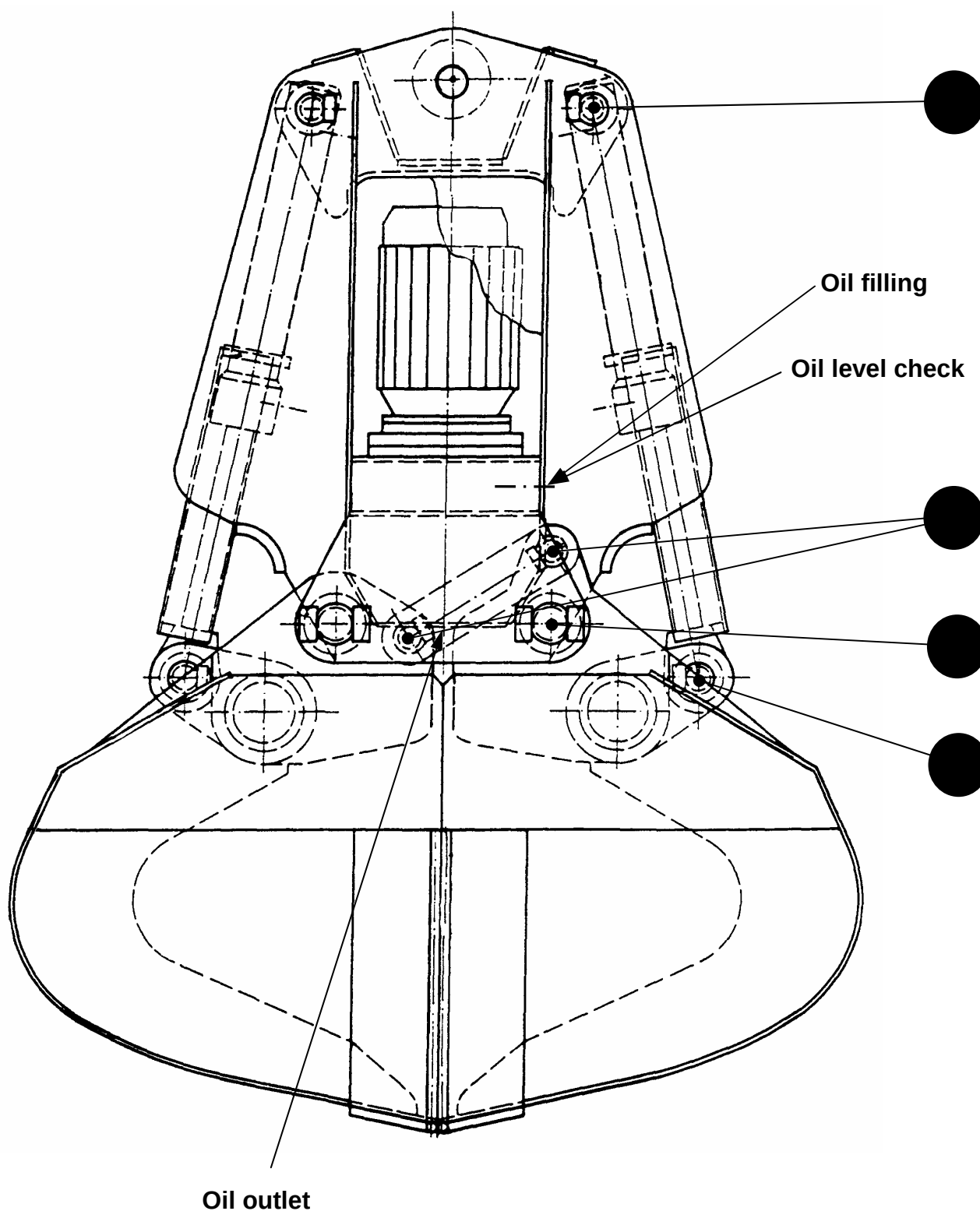
N= 18,5 kW at 100% duty cycle

N= 23,1 kW at 40% duty cycle

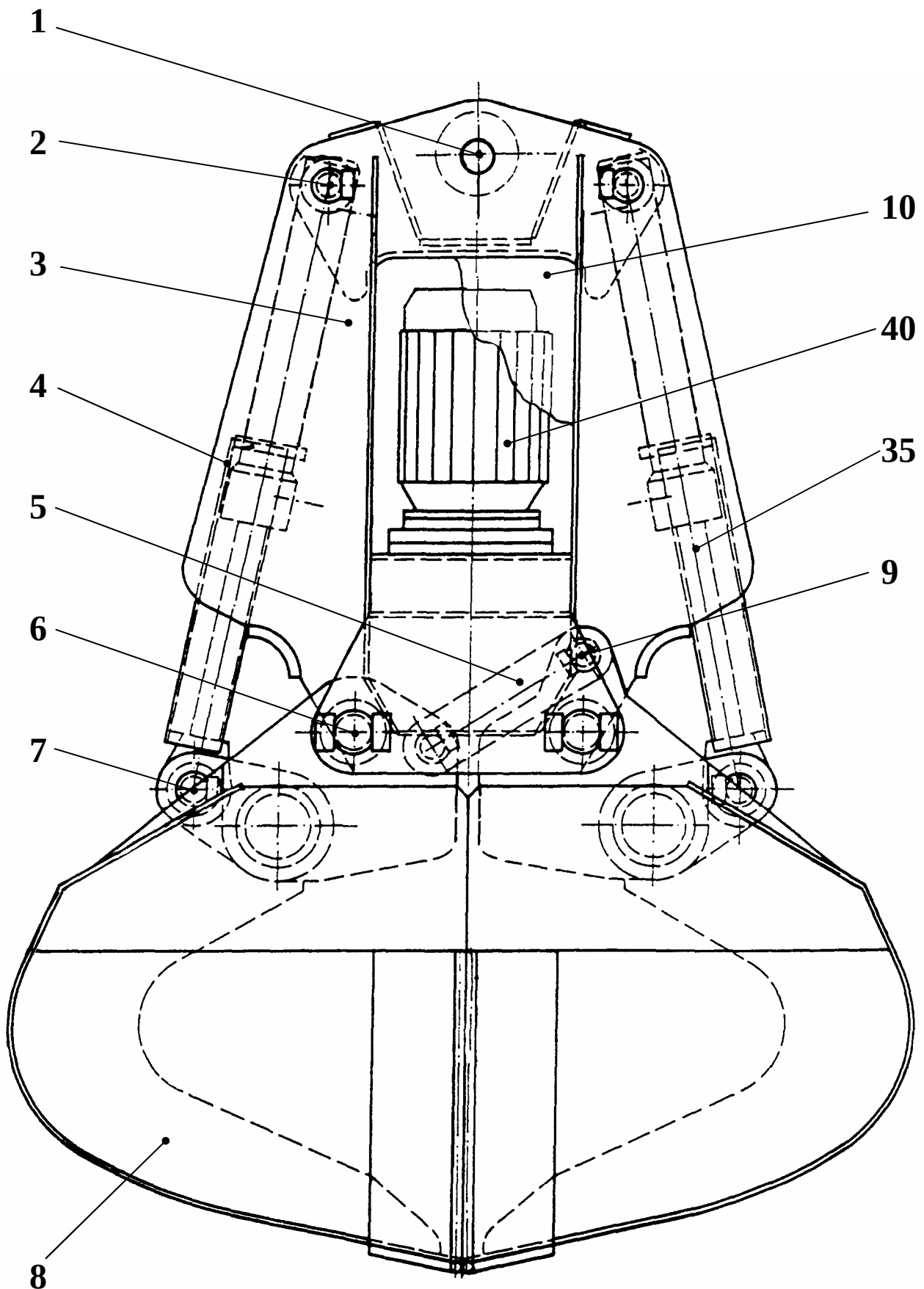
n= 1.450 RPM, 380 V - 50 Hz

Pump output

66,0 l/min



● = Daily grease (after every 8 working hours)



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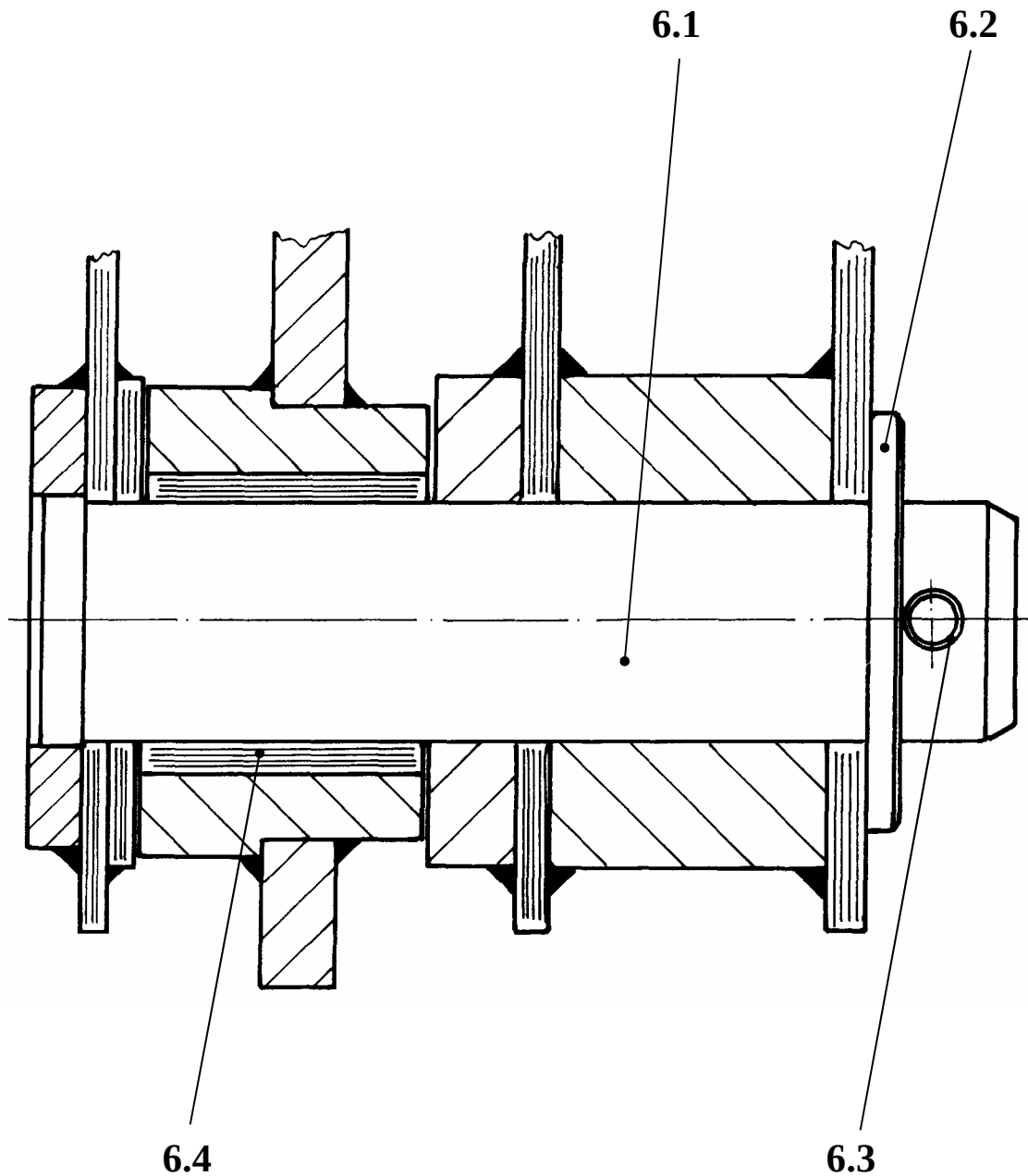
5.0
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Motor Clamshell Grab

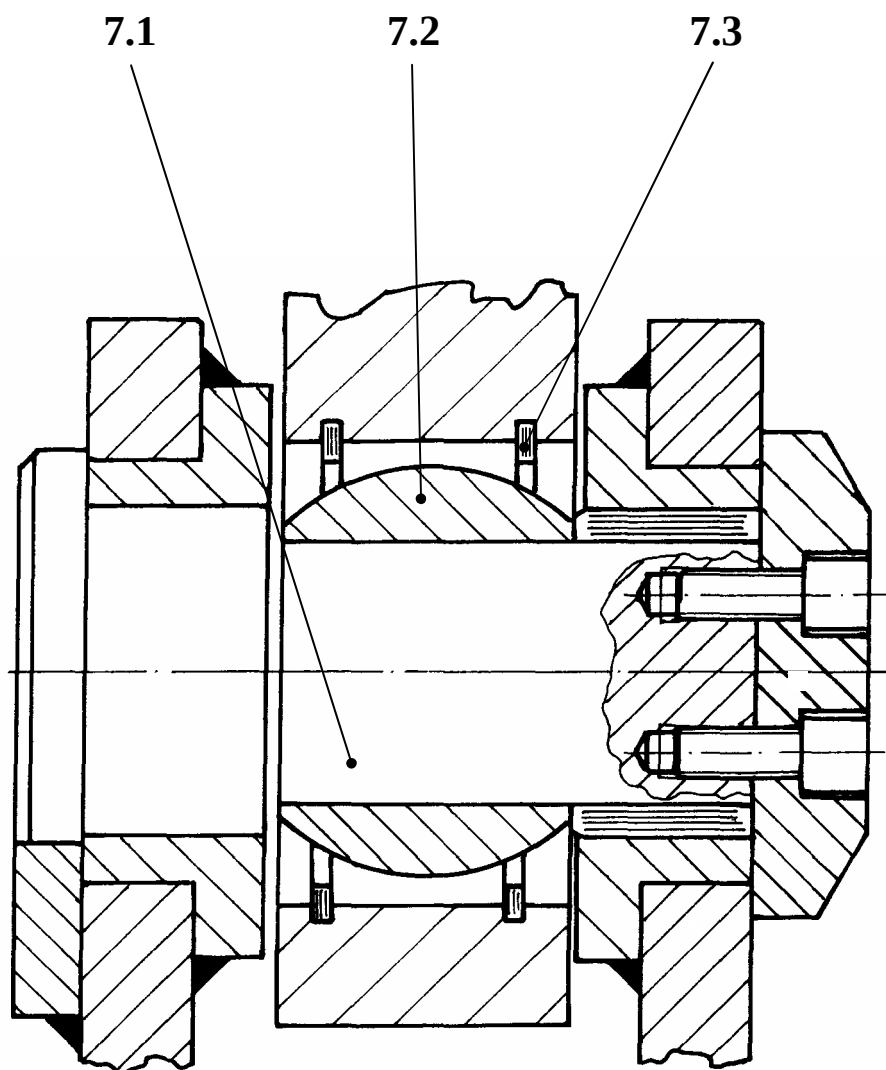
Grab serial no.: **2.3G.2232 - 2234**
Grab capacity: **3,7 m³**

Year of construction: **1998**
Grab dead weight: **3.100 kg**

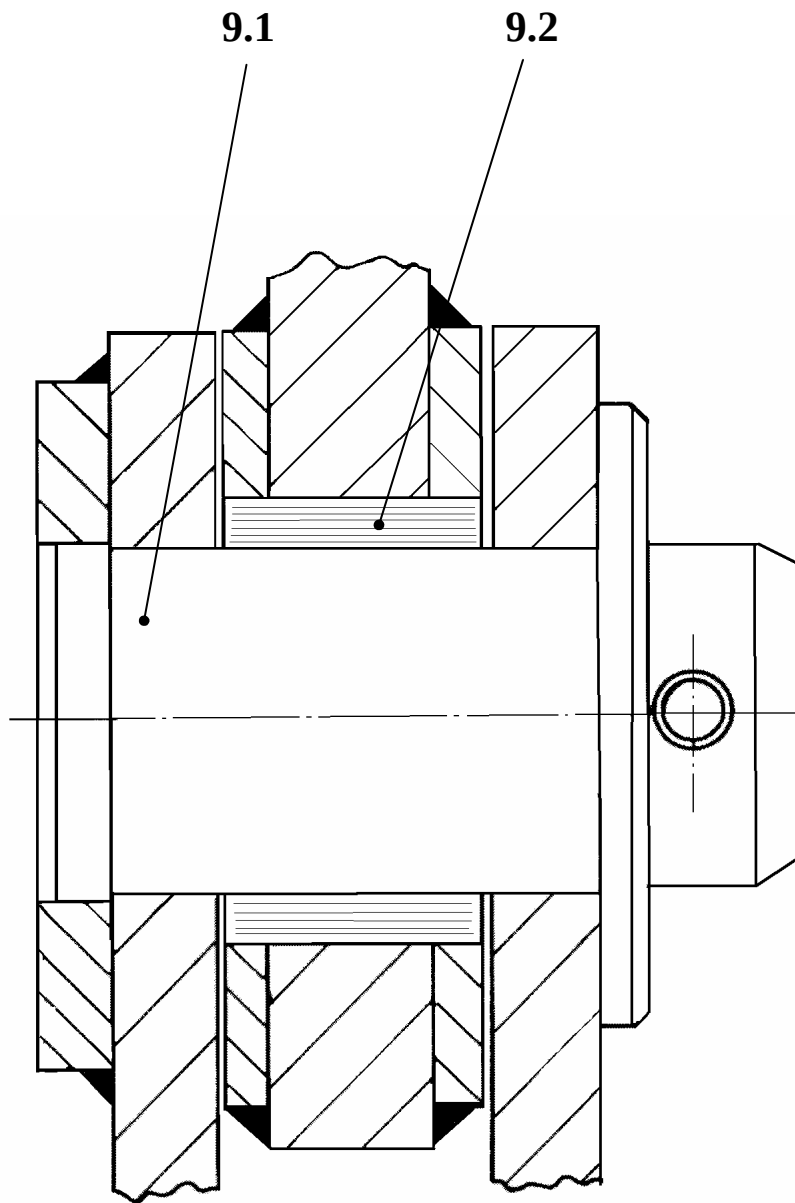
Part	Qty	Denomination	Drawing	
1	1	Suspension bolt	16.0.11117.3	
2	2	Upper cylinder bolt	23.0. 6441.3	
3	1	Grab cross beam	2.3.11570.1	
4	2	Cylinder protection	23.0.11565.2	
5	2	Guiding rods	2.3. 9344.3	
„6“	4	Shell rotation bearing		
„7“	4	Lower cylinder bearing		
8	2	Grab shell	2.3.11808.1	
„9“	4	Guiding rods bearing		
10	2	Cover	2.3.11572.2	
11	2	Pressure hose (closing)	NW 13	
12	2	Pressure hose (opening)	NW 13	
13	1 + 1	Electric socket and plug	Leidel	
14	1	Closing and opening advice	2.3.11961.2	
„35“	2	Hydraulic cylinder	23.0.11564.2	
„40“	1	Hydraulic drive unit	23.0. 8972.1	
„ “		Look at sectional drawing		



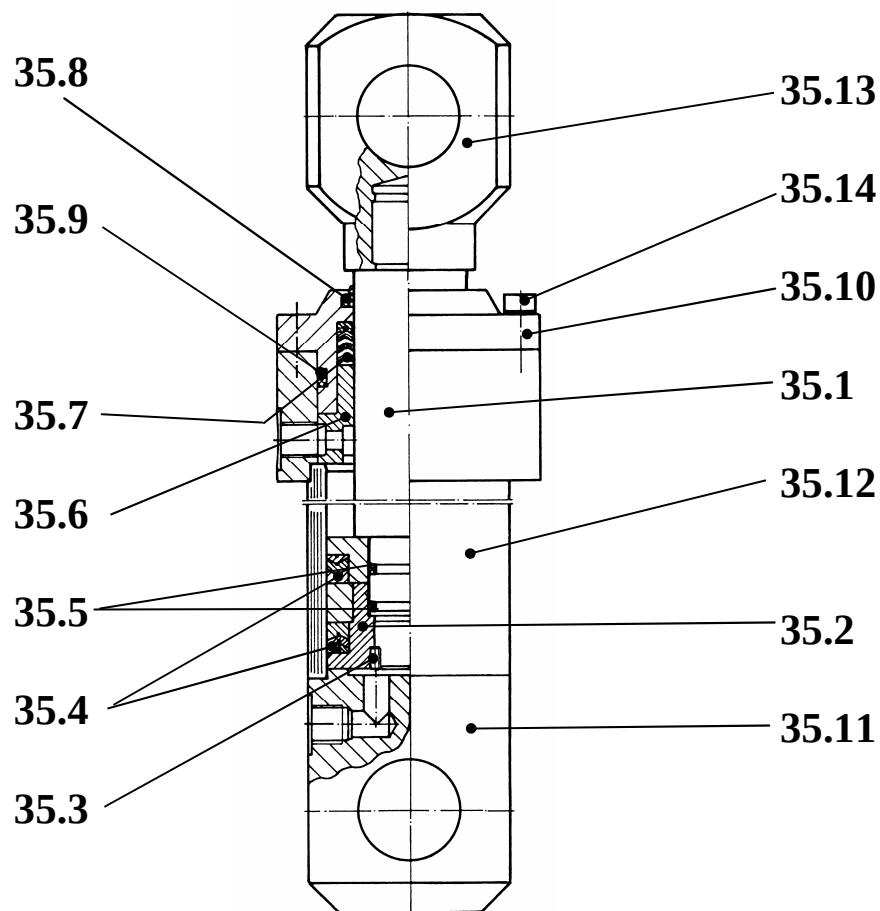
Part	Qty/grab	Denomination	Drawing-No.	Remark
6.1	4	Shell rotation bolt		
6.2	4	Disc		
6.3	4	Clamping sleeve		
6.4	4	Bush		



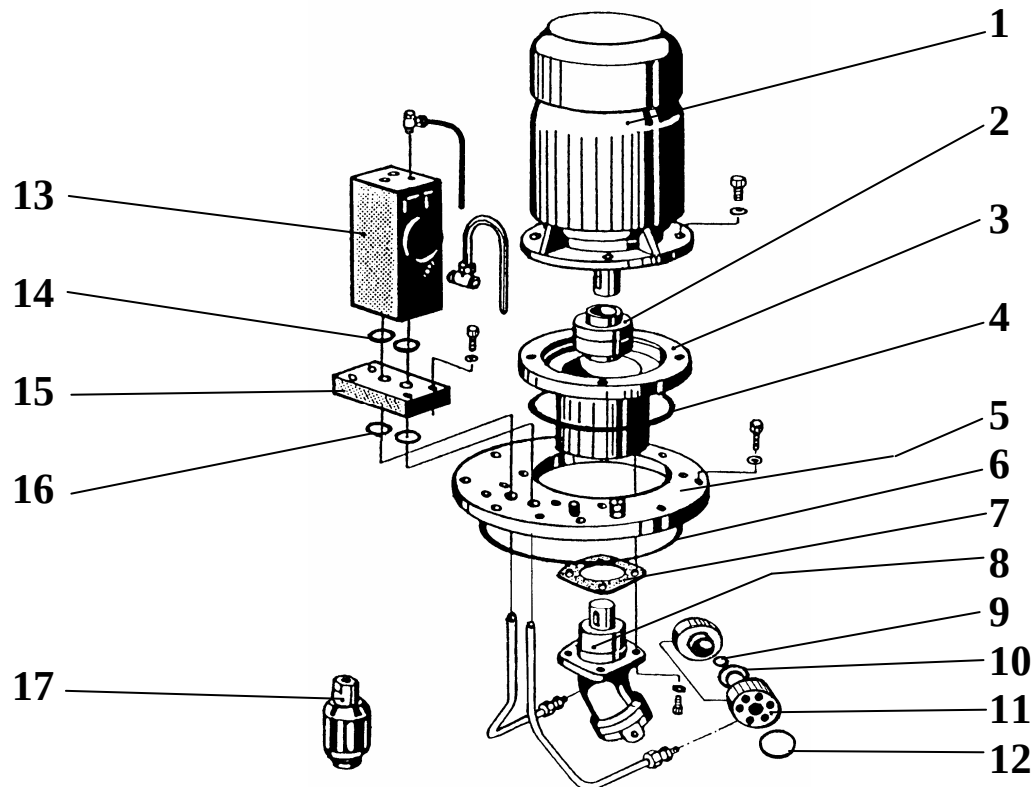
Part	Qty/grab	Denomination	Drawing-No.	Remark
7.1	2	Lower cylinder bolt, complete		
7.2	2	Swing bearing		
7.3	4	SEEGER circlip ring		



Part	Qty/grab	Denomination	Drawing-No.	Remark
9.1	4	Guiding rods bolt		
9.2	4	Bush		



Part	Qty/cyl.	Denomination	Drawing-No.	Remark
35	1	Hydraulic cylinder complete	23.0.11564.2	
35.1	1	Piston rod		
35.2	1	Piston		
35.3	1	Counter nut		
35.4	2	Piston sealing		
35.5	2	O - Ring , piston		
35.6	1	Piston rod guiding		
35.7	1	Piston rod sealing		
35.8	1	Piston rod strip-off device		
35.9	1	O - Ring , cover		
35.10	1	Final cover		
35.11	1	Cylinder bottom		
35.12	1	Cylinder tube with head part		
35.13	1	Cylinder eye with thread		
35.14	8	Fixing screw with spring-ring		



Part	Qty.	Denomination	Drawing-No.	
40	1	Hydraulic drive unit 66,0 l – 18,5 kW - NG 15 N	23.0.8972.1	
40. 1	1	E - Motor IP 55 380 V - 50 Hz		18,5 kW
40. 2	1	Coupling		
40. 3	1	Pump basement		
40. 4	1	O – Ring		
40. 5	1	Basic plate for drive unit		
40. 6	1	O – Ring		
40. 7	1	Flat tightening		
40. 8	1	High pressure hydraulic pump 66,0 l/min		A2FM 45
40. 9	4	O – Ring for return check valve		
40.10	4	O – Ring for return check valve		
40.11	2	Return check valve		
40.12	2	O – Ring for return check valve		
40.13	1	Control block complete Rexroth		NG 15 N
40.14	2	O - Ring		
40.15	1	Basic plate for control block		
40.16	2	O – Ring		
40.17	1	Restrictor valve		RD 4