	Client:	Hanjin HI		Client ref.:	SHT-07071
	Proj ref:	168/169/170/171		IMO AB ref.:	4068538
	Item no/ref:	2			
	Service:	DO TRANSFER PUMP			
	No of units:	1			Henrik Wikström
PUMP	Make/Model	IMO AB		ACG 070K7 NVBP	
	Size & Rating	0,251 dm3/rev		16 bar	
	Ports	DIN-flanges		In: 100 ND16 Out: 100 ND16	
DRIVER	Make/Model	BC		WU-DA 132SF-D-4	
	Size & Rating	IEC 132	440V/60Hz	6,3 kW/1760 rpm	
	Prot & mounting	F/IP55	IC41	IM3001/B5	
UNIT	Type	Single unit, vert. shaft			
	Incl. accessories	Connecting frame Angle bracket Shaft coupling			
DATA	Required flow	20	20	m³/h	
	Delivered flow	24,3	25,8	m³/h	
	@ Viscosity	25,8	260	cSt	
	@ Oper. speed	1777	1765	rpm	
	Absorbed power	3,6	5,5	kW	
	Outlet pressure	3,0	3,0	bar	
	Inlet pressure	-0,6	-0,6	bar Min. -0,8 @ 25,8 cSt	
	Inlet temp	32	32	°C	
NOTES					
Spare parts <i>(for two years of operation)</i>		Accessories		Litterature	
		1 GAUGE PANEL 5/6 BAR 2 ROOT VALVE/COCK 1 Cable gland M25 10-19 mm 1 Protection roof 1 1 set bite type Con ACG		Installation manual Service manual Product description	
Driver data				Documents	
Nom. current 11,3 A Start. current 79,1 A DOL Efficiency 86% cos (fi) 0,82 Main cable 1xM25*1.5 Aux. cable M20*1.5 Wind'g heating Earthing Terminal box & cooling rib				Pump section dwg A-ACG-085 Dimension dwg no U-ACG-440 Pump Parts List P-ACG-089 Unit Part list Spare parts list S-ACG-225 Perform. curve Driver dwg no X-MOT-782A Gauge panel E-MAN-071A	
Material		Weight		Miscellaneous info	
Pump casing #Värdefel! Motor casing Aluminium Pump rotor #Värdefel! Idler #Värdefel! Shaft seal #Värdefel!		Pump 54 kg Driver 45 kg Accessories 21 kg Tot. unit 120 kg		Pressure test 7 bar Valve setting 4,5 bar Paint color pump Munsell 7.5 BG 7/2 Paint color motor Munsell 7.5 BG 7/2 Certificates GL	



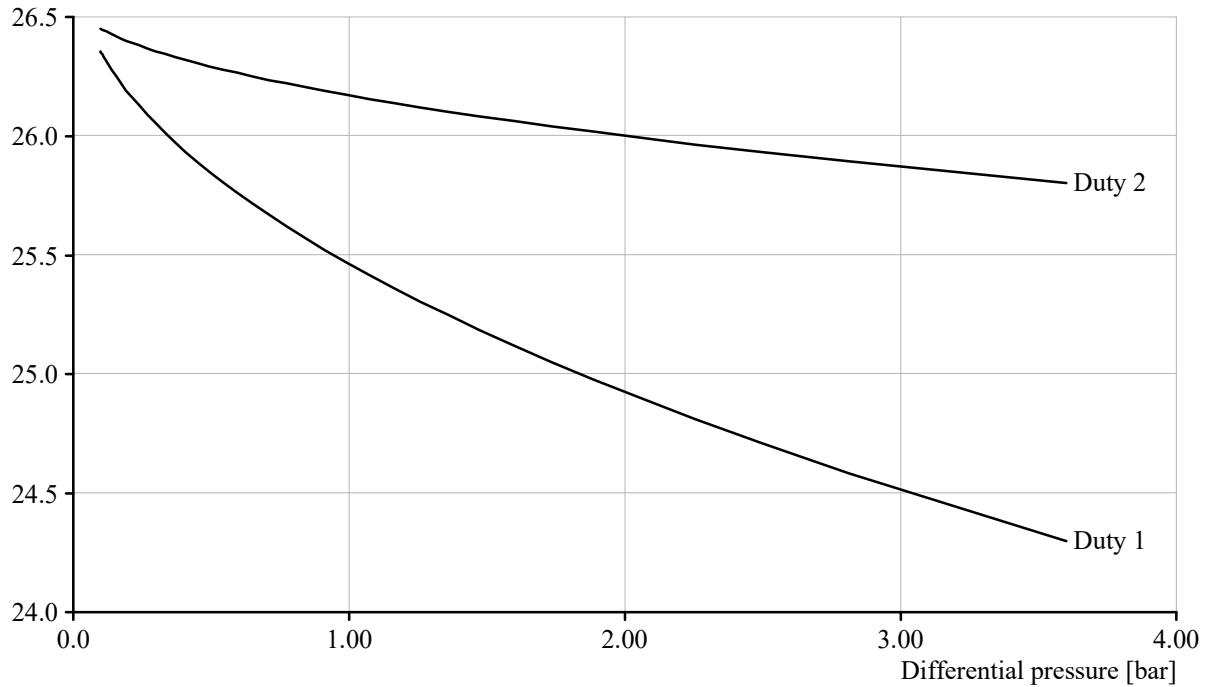
Pump performance
ACG 070K7 NVBP

2

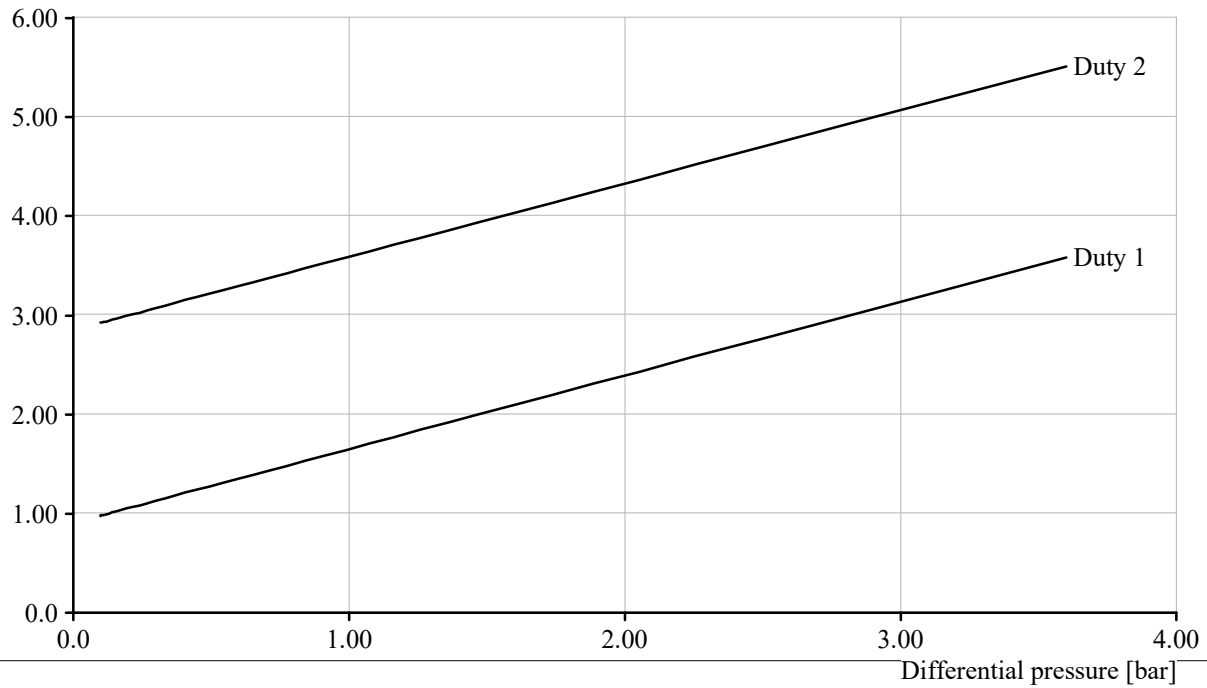
2005-01-24

Duty case No.		1	2
Speed	rpm	1777	1765
Viscosity	cSt	25.8	260
Inlet temp	°C	32.0	32.0

Calc'd flow [m³/h]



Power [kW]





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Sweden

IMO-Pump unit
ACG 070K7 NVBP
with motor
BH WU-DA 132SF-D-4

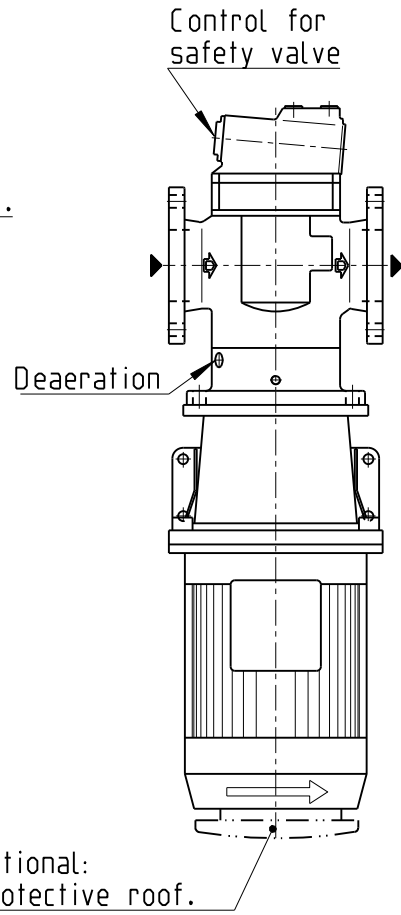
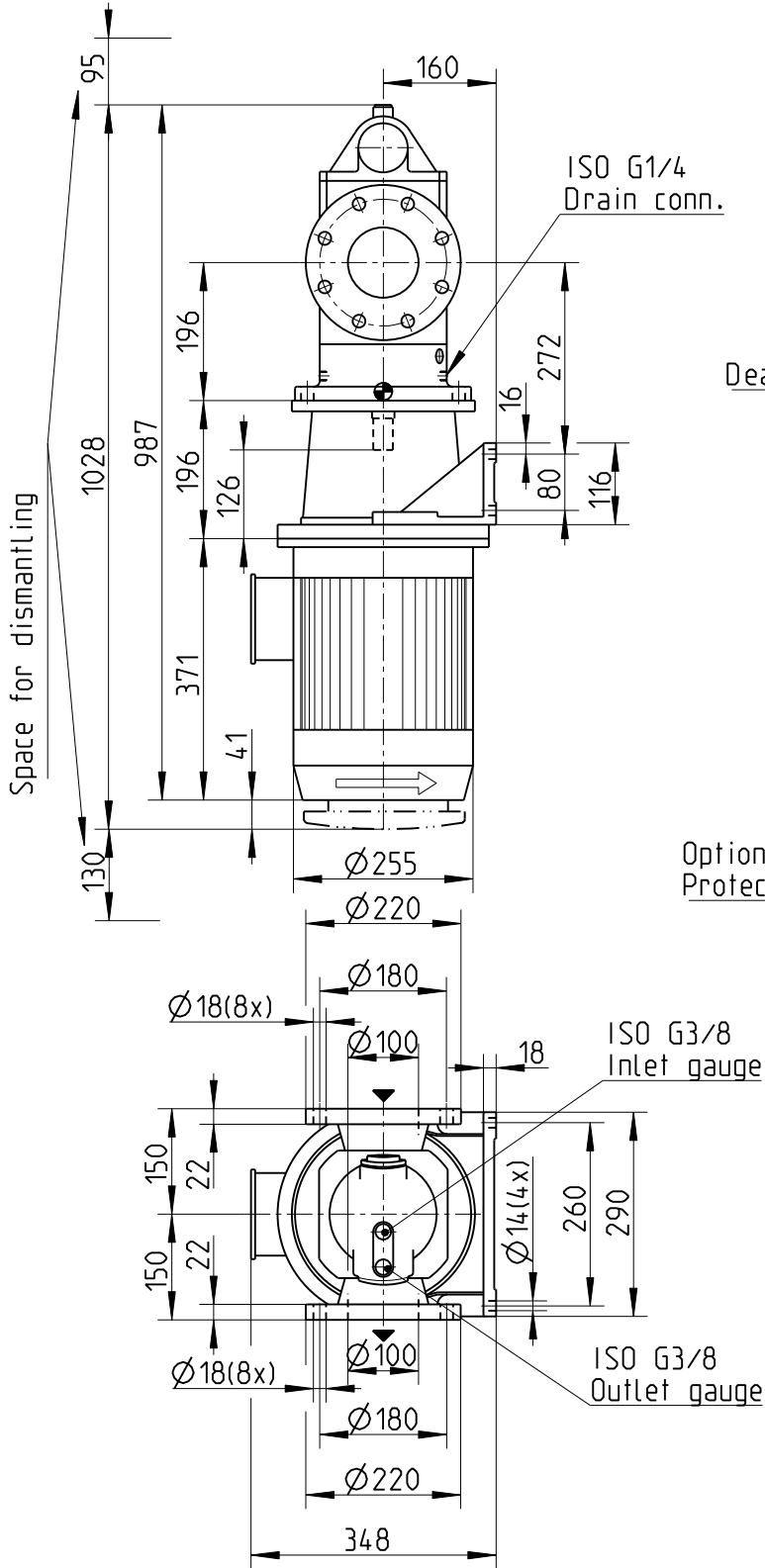
Drawing Type-No.

U-ACG-440

Sheet 1 of 1

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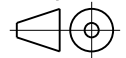


Dimensions in mm.

Weight approx. 120kg.

Counter flange acc.to
DIN2633/ND16.

First angle projection



Original	2005-05-17 BS	Drawing Type-No.	Rev.
Rev.	Revision	Revised (Date/Sign) Appr.	U-ACG-440



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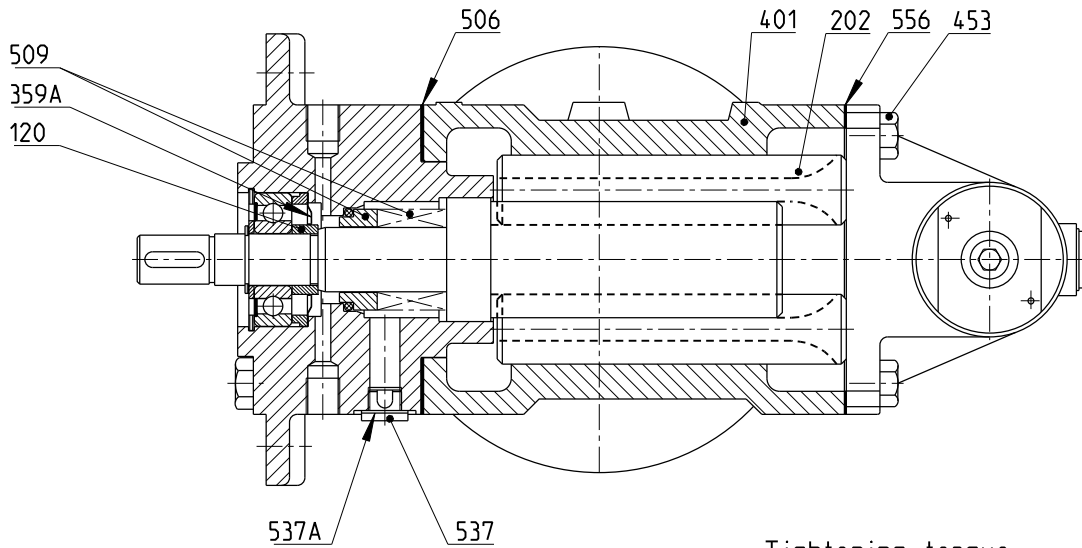
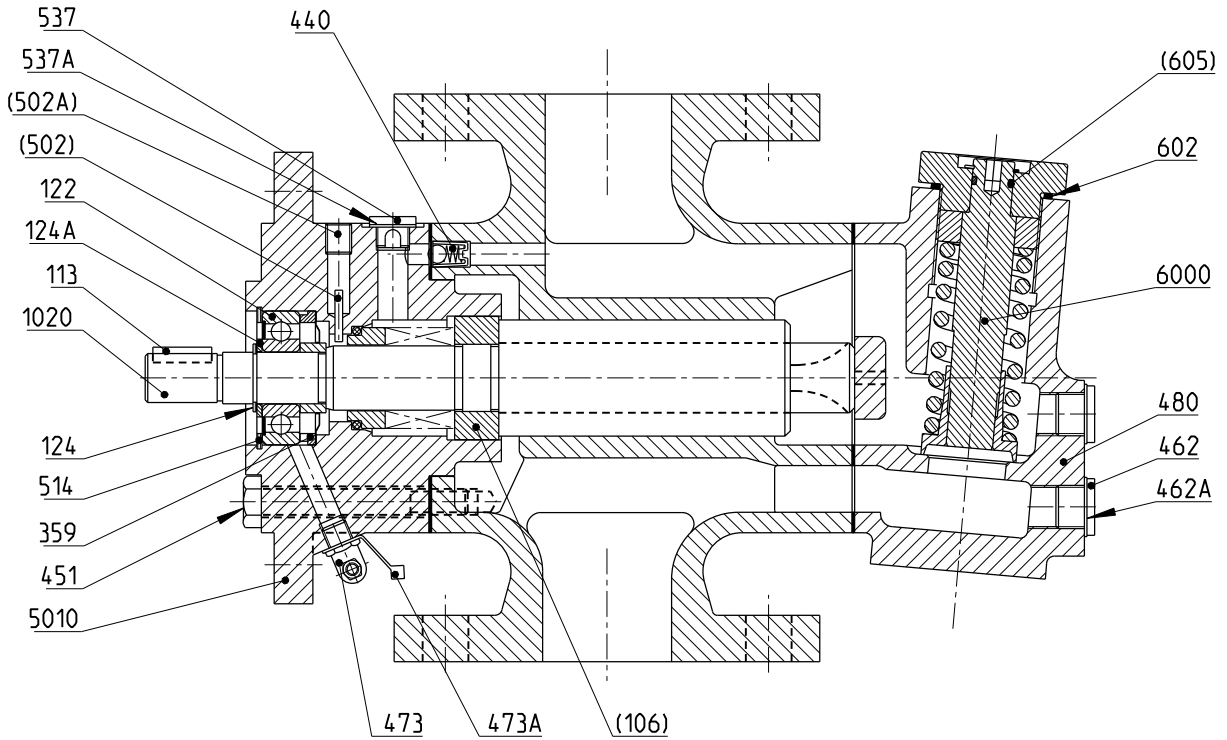
SECTIONAL DRAWING

ACG 070K7 NVBP

Drawing Type-No.

A-ACG-085

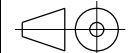
Sheet 1 of 1



Tightening torque

POS.NO	Nm
451	81
453	81

First angle projection



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PARTS LIST

ACG 070K7 NVBP

Drawing Type-No.

P-ACG-089

Sheet 1 of 1

Pos nr	Part Denomination	No	Material	Treatment/ Suppliers code	Specified standard	Equivalent standard JIS
1020	Compl.power rotor	1	Steel	Nitrocarb.	SS 2142	
(106)	Balancing piston	1	Steel		SS 2142	
113	Key	1	Steel			
120	Distance sleeve	1	Steel		SS 2142	
122	Ball bearing	1	Steel			
124	Retaining ring	1	Steel	Hardened		
124A	Support ring	1	Steel	Hardened		
202	Idler rotor	2	Cast iron	Nitrocarb.	SS 0125	FC25
359	Distance ring	1	Steel		SS 2172	
359A	Nilos ring	1	Steel			
401	Pump body	1	Nod.cast iron		SS 0722	
440	Return valve	1				
451	Screw	6	Steel	Class 8.8		
453	Screw	4	Steel	Class 8.8		
462	Plug	2	Steel			
462A	Washer	2	Aluminium		SS 4005	
473	Grease nipple	1	Steel			
473A	Protecting cup	1				
480	Valve housing	1	Nod.cast iron	Nitrocarb.	SS 0722	
5010	Compl.front.cover	1	Nod.cast iron		SS 0722	
(502)	Tenison pin	1	Steel			
(502A)	Screw	1	Steel			
506	Gasket	1	KlingerSil	C-4400		
509	Machanical seal	1			DIN24960 BMVGE	
514	Retaining ring	1	Steel	Hardened		
537	Deaeration plug	2	Steel			
537A	Washer	2	Aluminium		SS 4005	
556	Gasket	1	KlingerSil	C-4400		
602	Washer	1	Aluminium		SS 4005	
605	O-ring	1	Fluor rubber			
6000	Compl. valve	1				

SS= Swedish standard
JIS= Japan standard

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	Original	03.01.21 LN	Drawing Type-No.	Rev.
Rev.	Revision	Revised (Date/Sign)	Appr.	P-ACG-089



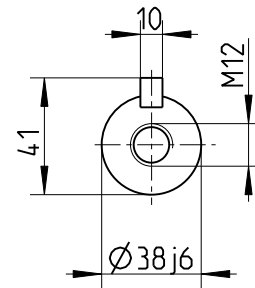
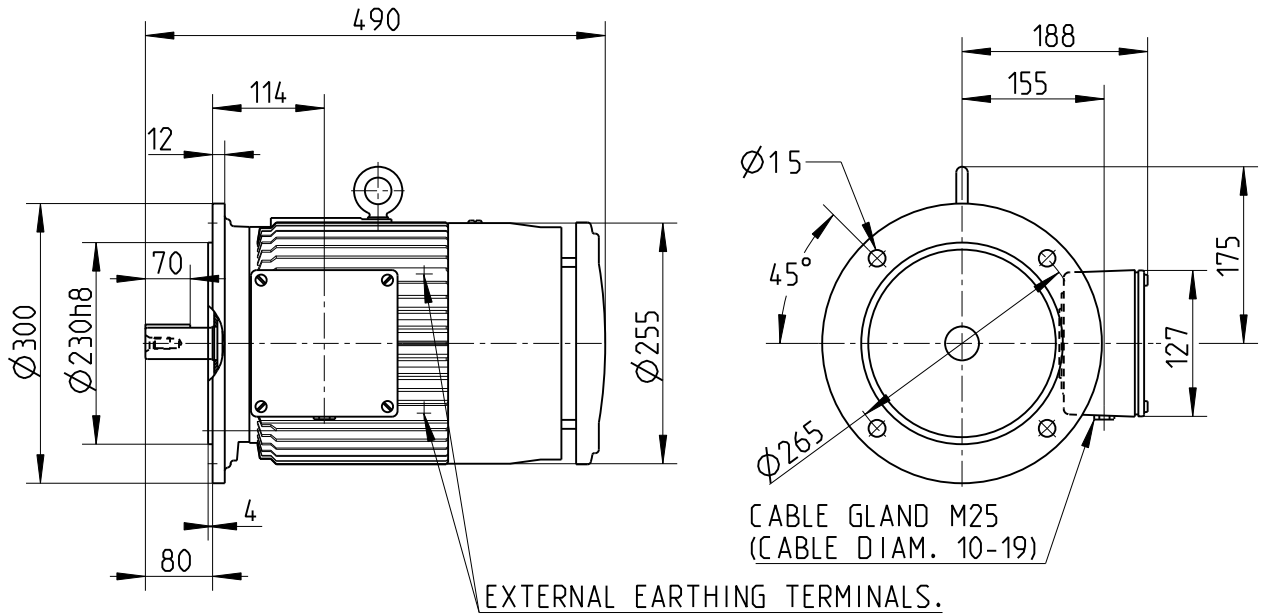
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EL.MOTOR
BROOK CROMPTON
WU-DA 132SF-D-4

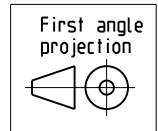
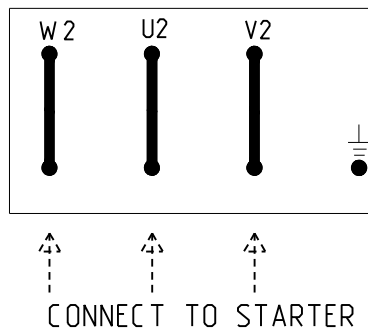
Drawing Type-No.

X-MOT-782A

Sheet 1 of 1



Rated power:	6,3kW
Speed:	1760rpm
Voltage:	440V
Frequency:	60Hz
Starting current:	79,1A
Rated current:	11,3A
Weight kg:	45
Protection:	IP55
Cooling:	IC41
Insu.class:	F
Starting method:	DOL
Efficiency	85,7%
cos (fi)	0,82



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A	Tabell rev.	2005.01.21 LN	
	Original	2004.05.18 LN	JS
Rev.	Revision	Revised (Date/Sign)	Appr.

Drawing Type-No.

X-MOT-782

Rev.

A



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SPARE PARTS LIST

ACG 070K7 NVBP

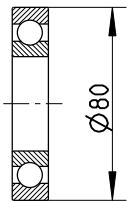
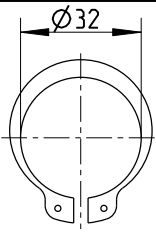
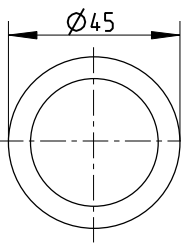
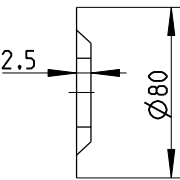
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Sheet 1 of 3

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Item	Art.no	Name	Sketch	Qty	Pos.no	Remarks
1	191247	MINOR KIT G053				Pos.no: 122, 124 124A, 359A, 462A, 506 509, 537A 556, 602 605
		BALL BEARING PUMP		1	122	Steel
		RETAINING RING		1	124	Steel
		SUPPORT RING		1	124A	Steel
		NILOS RING		1	359A	Steel

Original	03.01.21 LN	Drawing Type-No.	Rev.
Rev.	Revision	Revised (Date/Sign) Appr.	S-ACG-225



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SPARE PARTS LIST

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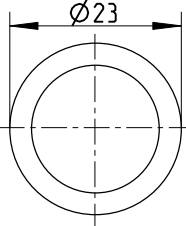
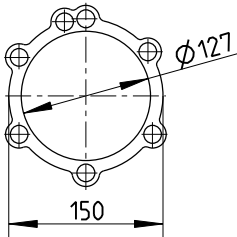
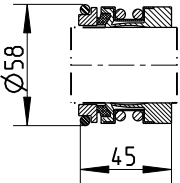
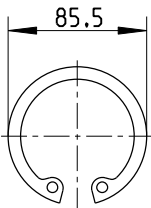
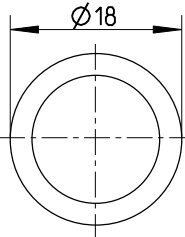
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Item	Art.no	Name	Sketch	Qty	Pos.no	Remarks
		WASHER		2	462A	Aluminium
		GASKET		1	506	KlingerSil
		SHAFT SEAL	Art.no 190340 	1	509	G050
		RETAINING RING		1	514	Steel
		WASHER		2	537A	Aluminium

Original	03.01.21 LN	Drawing Type-No.	Rev.
Rev.	Revision	Revised (Date/Sign) Appr.	S-ACG-225



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SPARE PARTS LIST

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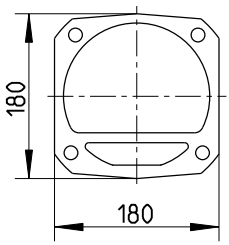
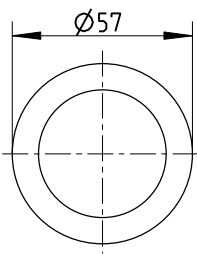
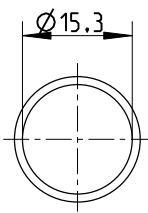
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Item	Art.no	Name	Sketch	Qty	Pos.no	Remarks
		GASKET		1	556	KlingerSil
		WASHER		1	602	Aluminium
		O-RING		1	605	Fluor rubber

Original	03.01.21 LN	Drawing Type-No.	Rev.
Rev.	Revision	Revised (Date/Sign) Appr.	S-ACG-225

