

WESER → PUMPEN

GmbH



HYDRAULIC CENTER

- Sale, Service and Repair of Sauer-Danfoss Units
 - Axial Piston Units
 - Gear Units
 - Gear Rotating Motors
 - Proportional Valve Units
 - Hydraulic Control Units
- Lay-Outs and Development of complete Systems with open or closed circuits.
- Manufacturing and Distribution of Gear Pumps, Motors, and Flow Dividers
- Repair and Sparepart Service for all brands
- Hydraulic Cable Winches with ATEX Certification



WESER → PUMPEN

We supply and manufacture

Exchange Pumps and Motors for



HAMWORTHY	JCB, Zettelmeyer
KRACHT	Industrie und Mobil
DOWTY	JCB
VICKERS	GPC 2, GPC 3, GPC 4, GPC 5, GPC 6
COMMERCIAL	P 30, P 50, P 75, P 330, P 350, P 365
BOSCH	Casappa, Salami, Lamborghini, HPI, etc. für Bomag, Hamm, ABG, Faun Frisch, O & K, Zettelmeyer

We repair

Sauer Danfoss, Commercial, Rexroth, Brueninghaus Hydromatik, Linde, CharLynn, Eaton,

We sell

All hydraulic components
Bosch, Rexroth, Casappa, Salami, Lamborghini

We concipate

Single-Special and In-Row-Aggregates
as well as complete hydraulic units

and we offer for each requirement and your specific problems **the correct solution!**

Our own work shop and qualified staff, as well as a well stocked parts magazine with all mostly required components guarantee a fast repair.

Complete exchange units are also available.

Gearpump/-motor WP 124

- Cast construction with high stability
- Slide bearings for mineral oil and high friction components
- Max. constant work pressure 241 bar
- Single and Multiple pumps
- Applicable for mineral oil

Pump type	Flow capacity cm ³	C mm	Maximal Pressure			Rotations U / min.
			p ₁	p ₂	p ₃	
WP-124-05	10	22,8	250	270	290	3000
WP-124-07	15	31,6	250	270	290	3000
WP-124-10	20	37,9	250	270	290	3000
WP-124-12	25	44,3	250	270	290	3000
WP-124-15	30	50,6	220	240	260	3000
WP-124-17	35	57,0	200	220	240	3000
WP-124-20	40	63,3	170	190	210	3000

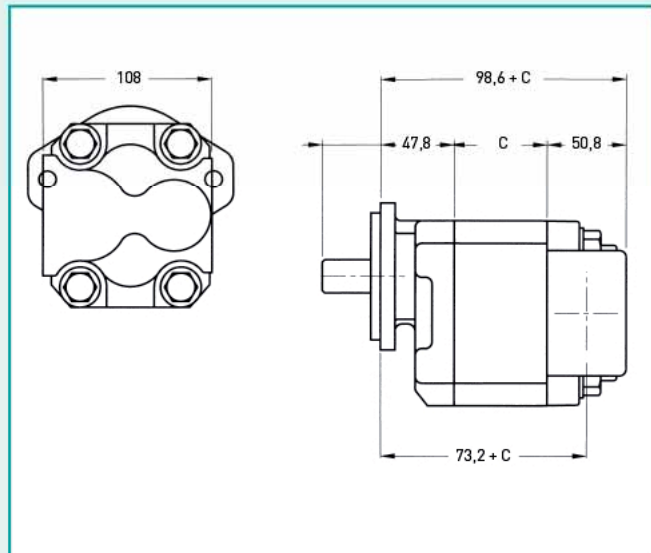
p₁ = work pressure

p₂ = limited pressure

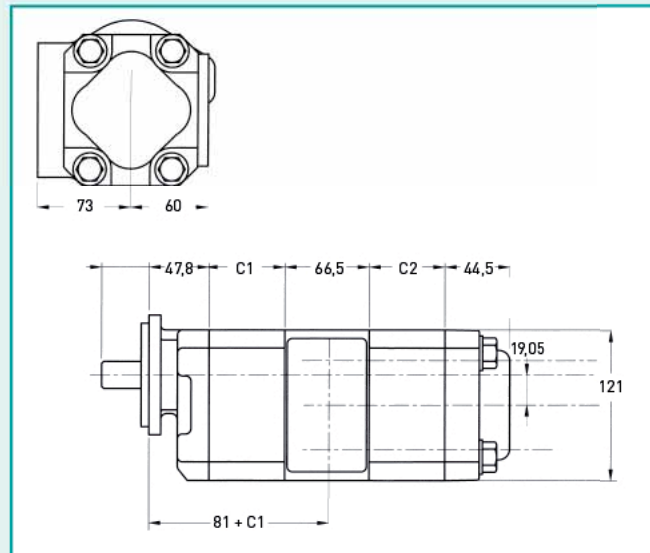
p₃ = inrush current

Dimensions:

Single Pump/Motor



Multiple Pump



Construction Executions:

Built-Flanges

SAE-B-2-bolt
SAE-A-2-bolt
Euro-Execution BG 2

Drive Shaft integral single or tandem

SAE-B VZ	13 Z-16/32
SAE-B- Zyl.	Ø 22,22
SAE-A VZ	9 Z-16/32
SAE-A Zyl.	Ø 15,85
Euro 1:8	konisch BG 2

High Pressure Gear Units WP 340

- Cast construction with high stability
- Slide bearings for mineral oil and high friction components
- Fully compensated pressure plate with partial Bearing relief
- Max. pressure Limitation 280 bar, max. Const. Pressure 250 bar
- Volumetric Operation Ratio > 94 %
- Low noise Level
- Single and Multiple pumps

Pump type	Flow Capacity cm ³	Maximal Pressure			max.-rotation U / min.	Rotations
		p ₁	p ₂	p ₃		
WP-340-06	17,20	280 4060	300 4350	320 4640	3000	400
WP-340-07	21,89					
WP-340-10	26,58					
WP-340-12	34,39	250 3625	280 4060	300 4350		
WP-340-15	43,77					
WP-340-17	51,59	230 3300	260 3770	280 4060	2500	300
WP-340-20	60,97	200 2900	230 3300	250 3625	2000	250
WP-340-22	73,47	160 2320	190 2750	220 3190	1700	
WP-340-25	81,29	140 2030	170 2400	200 2900	1500	

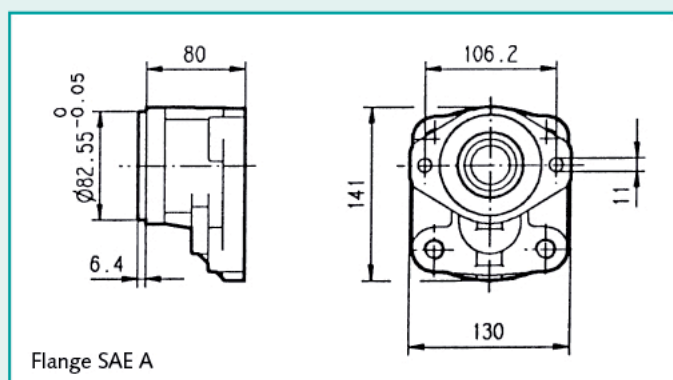
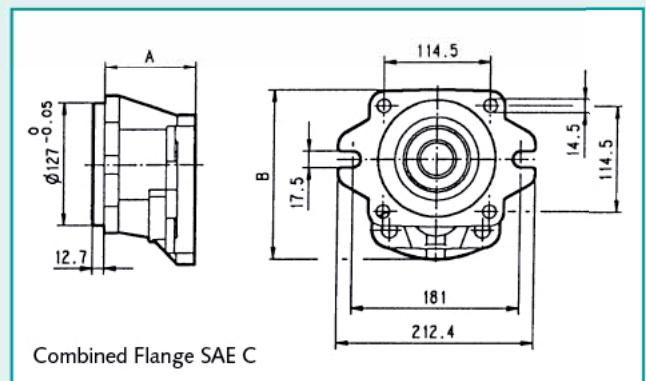
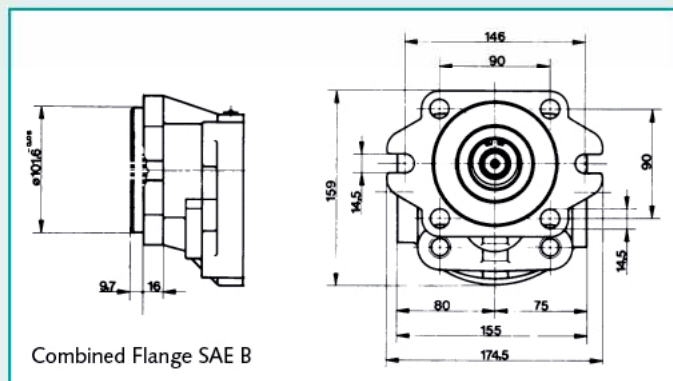
p₁ = work pressure

p₂ = limited pressure

p₃ = inrush current

Construction Executions:

Front Flanges



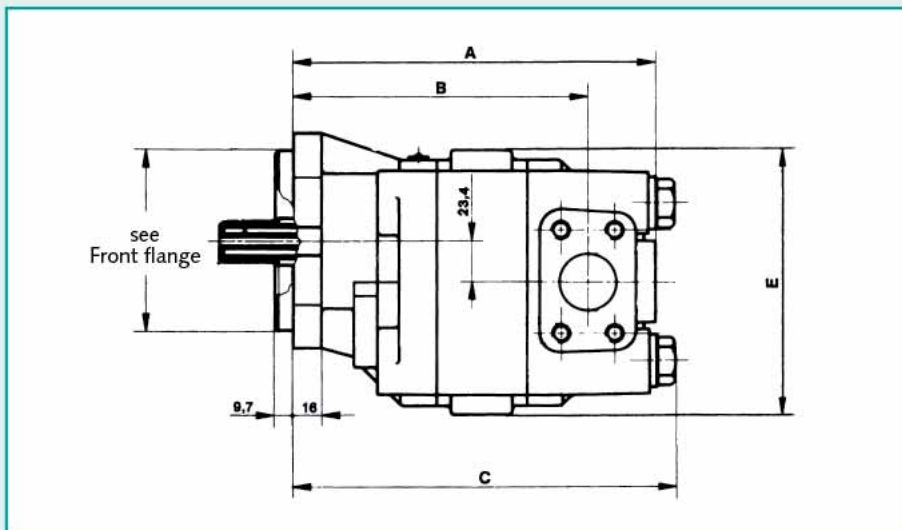
Special Flanges available

Drive Shafts

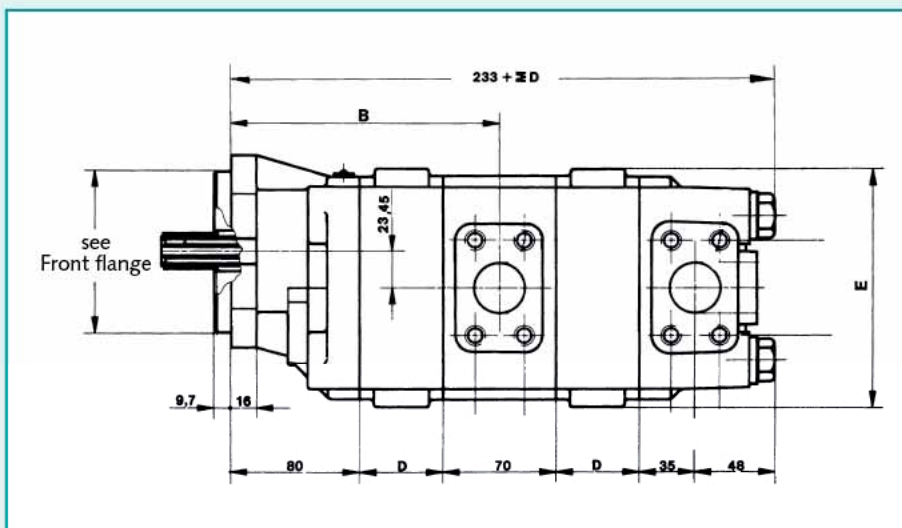
Cylindrical	Ø 22.22	SAE „B“
	Ø 25.4	SAE „BB“
	Ø 31.75	SAE „C“
Special shafts available		
Tooth formed	13 Z 16/32 pitch	SAE „B“
	14 Z 12/24 pitch	SAE „C“
	15 Z 16/32 pitch	SAE „BB“
Special shafts available		

Dimensions

Singel Pump/Motor



Twin Pump



Pump type	A	B	C	D	E	weight kg
	mm	mm	mm	mm	mm	
WP-340-06	176	138	186	23	150	15,50
WP-340-07	179	141	189	26		15,80
WP-340-10	182	144	192	29		16,20
WP-340-12	187	149	197	34		16,80
WP-340-15	193	155	203	40		17,60
WP-340-17	198	160	208	45		18,20
WP-340-20	204	166	214	51		19,00
WP-340-22	212	174	222	59		19,70
WP-340-25	217	179	227	64	20,30	

Connections

- SAE-Flange metric
 - Withworth Pipe Thread
- Size acc. to operating condition

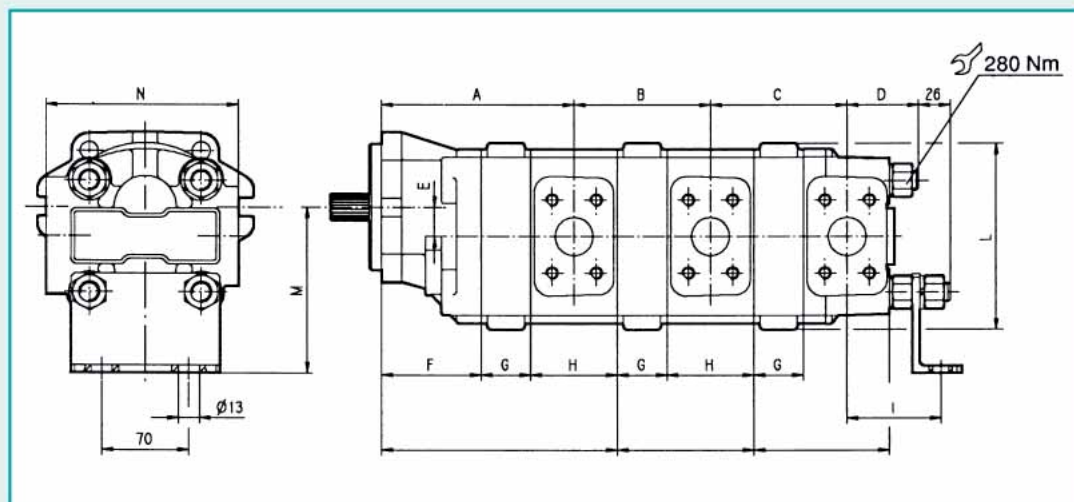
Operating Conditions

Filter Grade: 25 μ in return flow recommended 10 μ

Viscosity range: 10 - 1600 cSt

Max. Operating Temp.: 80°C

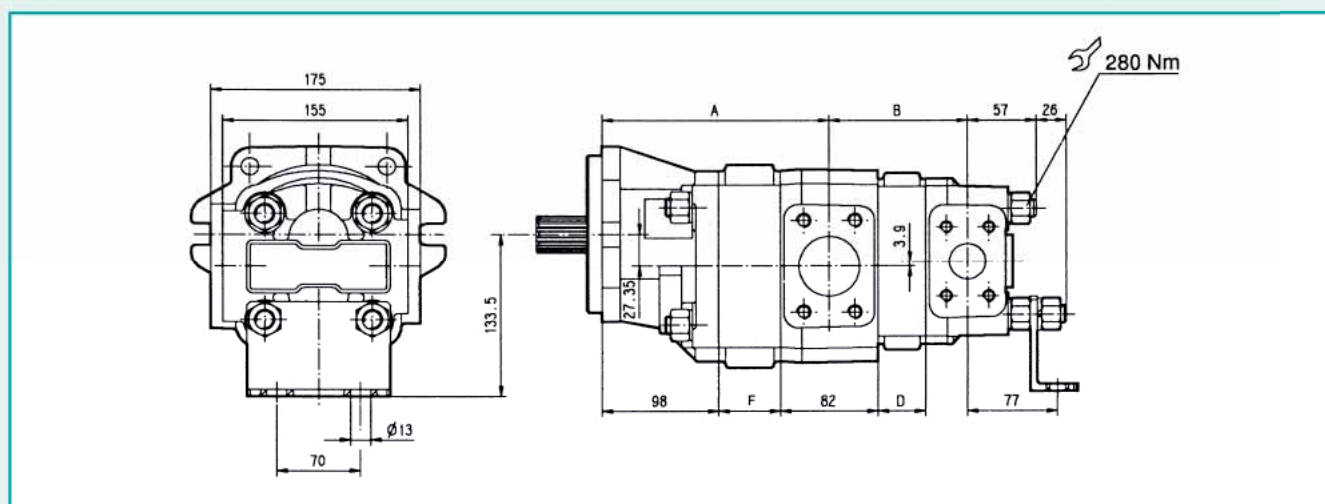
Dimensions of Triple Pump and Twin Pump



Pump type	G
	mm
WP-340-06	23
WP-340-07	26
WP-340-10	29
WP-340-12	34
WP-340-15	40
WP-340-17	45
WP-340-20	51
WP-340-22	59
WP-340-25	64

Pump type	A	B	C	D	E	F	G	H	I	L	M	N
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WP-340+340	115+G	70+G	70+G	57	23,45	80	siehe Tab.	70	77	150	133,5	155

Dimensions of Combi-Pump 540 + 340



Pump type	A	B	C	D
	mm	mm	mm	mm
WP-540+340	139+C	76+D	siehe Tab.	siehe Tab.

Pump type	C
	mm
WP-540-10	33
WP-540-12	38
WP-540-15	44
WP-540-17	48
WP-540-20	52
WP-540-22	57
WP-540-25	61
WP-540-27	67
WP-540-30	73

Pump type	D
	mm
WP-340-06	23
WP-340-07	26
WP-340-10	29
WP-340-12	34
WP-340-15	40
WP-340-17	45
WP-340-20	51
WP-340-22	59
WP-340-25	64

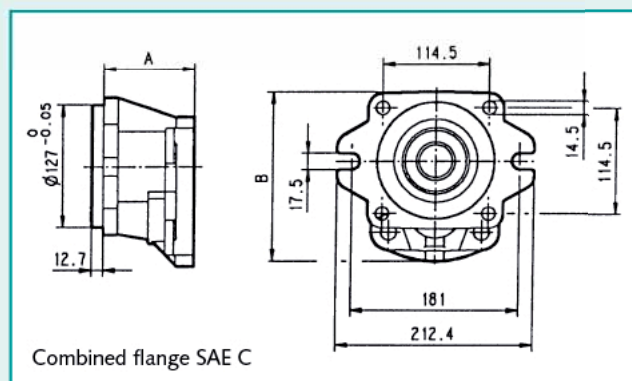
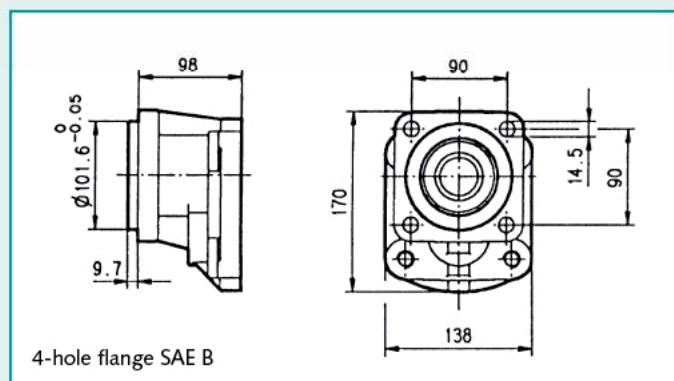
High Pressure Gear Units WP 540

- Cast construction with high stability
- Slide bearings for mineral oil and high friction components
- Fully compensated pressure plate with partial Bearing relief
- Max. pressure Limitation 280 bar, max. Const. Pressure 250 bar
- Volumetric Operation Ratio > 94 %
- Low noise Level
- Single and Multiple pumps

Pump type	Flow Capacity cm ³	Maximal Pressure			Max. Rotations U / min.	Min. Rotaions
		P ₁	P ₂	P ₃		
WP-540-10	40,00	270 3900	280 4060	310 4500	3000	400
WP-540-12	50,77					
WP-540-15	63,46					
WP-540-17	71,92	250 3625	280 4060	300 4350		
WP-540-20	80,39					
WP-540-22	90,96	230 3300	260 3770	280 4060		
WP-540-25	99,43	210 3040	240 3480	260 3770		
WP-540-27	112,12	190 2750	220 3190	240 3480		
WP-540-30	124,81	170 2400	200 2900	220 3190	2500	250

Construction Executives

Front Flanges



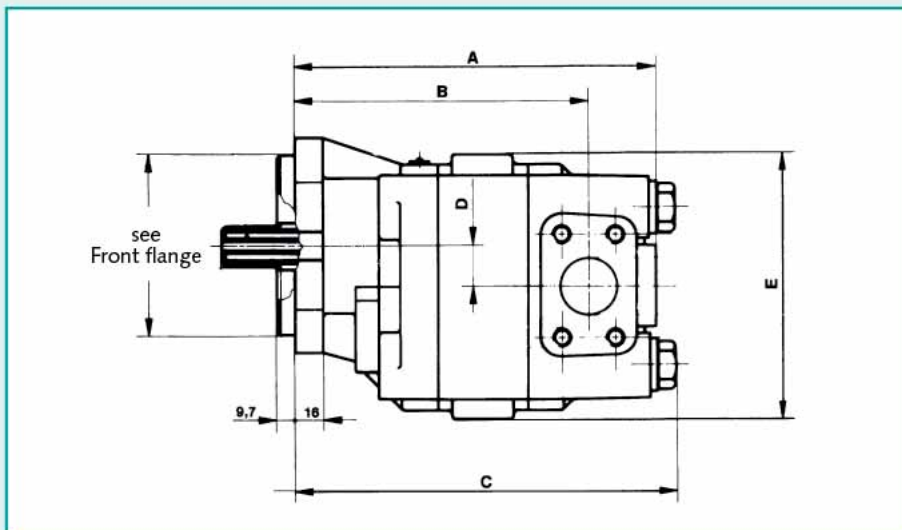
Special flanges available

Drive Shafts

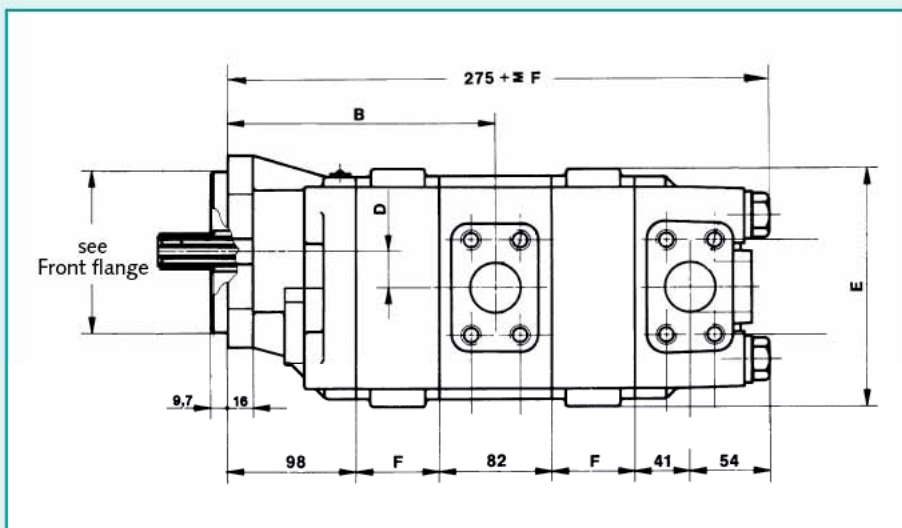
Cylindrical	Ø 22.22	SAE „B“
	Ø 25.4	SAE „BB“
	Ø 31.75	SAE „C“
Special shafts availbale		
Tooth formed	13 Z 16/32 pitch	SAE „B“
	14 Z 12/24 pitch	SAE „C“
	15 Z 16/32 pitch	SAE „BB“
Special shafts availbale		

Dimensions:

Single Pump/Motor



Twin Pump



Pump type	A	B	C	D	E	F	weight
	mm	mm	mm	mm	mm	mm	kg
WP-540-10	216,5	172	226	27,35	172	33	22,00
WP-540-12	221,5	177	231			38	23,70
WP-540-15	227,5	183	237			44	24,70
WP-540-17	231,5	187	241			48	25,40
WP-540-20	235,5	191	245			52	26,00
WP-540-22	240,5	196	250			57	26,80
WP-540-25	244,5	200	254			61	27,50
WP-540-27	250,5	206	260			67	28,50
WP-540-30	256,5	212	266			73	29,50

Connections

- SAE-Flange metric
 - Withworth Pipe Thread
- Size acc. to operating condition

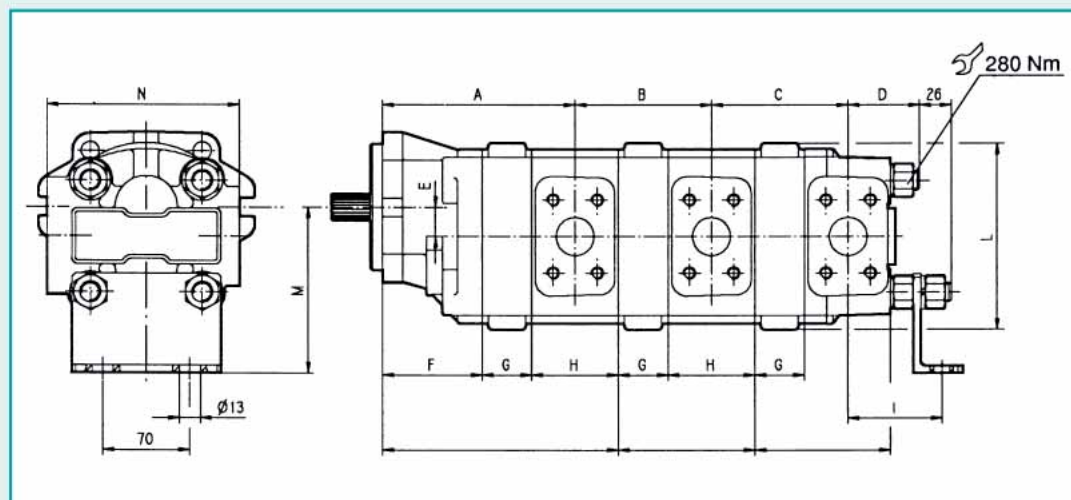
Operating Conditions

Filter Grade: 25 μ in return flow recommended 10 μ

Viscosity range: 10 - 1600 cSt

Max. Operating Temp.: 80°C

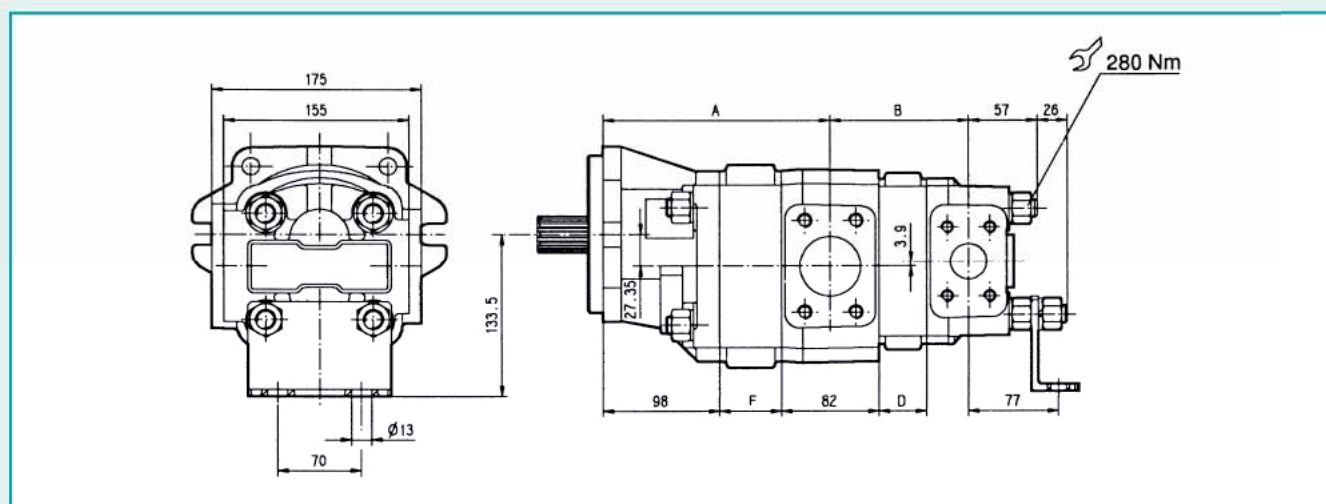
Dimensions of Triple and Twin Pump



Pump type	G
	mm
WP-540-10	33
WP-540-12	38
WP-540-15	44
WP-540-17	48
WP-540-20	52
WP-540-22	57
WP-540-25	61
WP-540-27	67
WP-540-30	73

Pump type	A	B	C	D	E	F	G	H	I	L	M	N
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WP-540+540	139+G	82+G	82+G	63	27,35	98	siehe Tab.	82	93	175	162,4	175

Dimensions of Combi-Pump 540 + 340



Pump type	A	B	C	D
	mm	mm	mm	mm
WP-540+340	139+	76+D	siehe Tab.	siehe Tab.

Pump type	C
	mm
WP-540-10	33
WP-540-12	38
WP-540-15	44
WP-540-17	48
WP-540-20	52
WP-540-22	57
WP-540-25	61
WP-540-27	67
WP-540-30	73

Pump type	D
	mm
WP-340-06	23
WP-340-07	26
WP-340-10	29
WP-340-12	34
WP-340-15	40
WP-340-17	45
WP-340-20	51
WP-340-22	59
WP-340-25	64

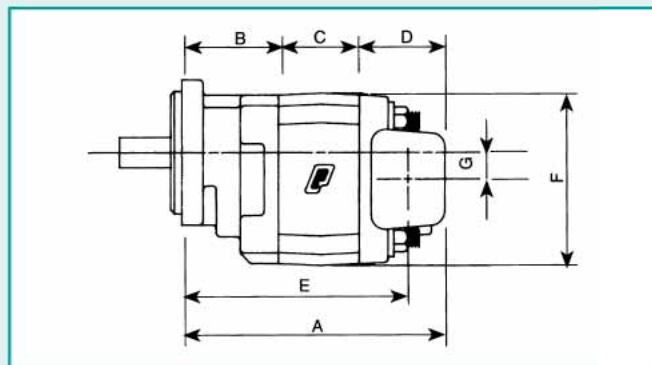
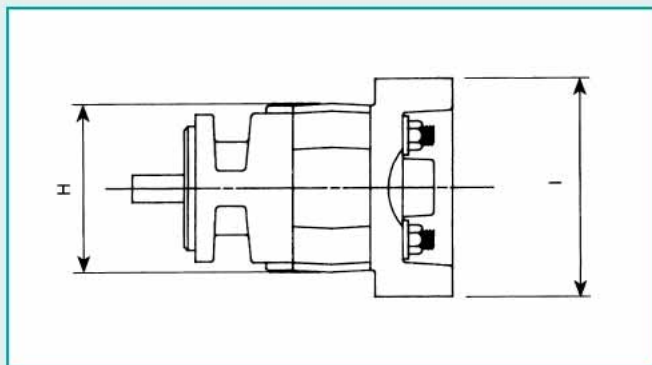
Technical Data and Dimensions

	nominal size	gear width	theoretic flow capacity	dimensions see page 8		Mineraloil	Heavy inflammable liquids HFB + HFC	weight for Single Pump	Additional weight for Twin Pump
				C	E				
		mm	cm ³ /U	mm	mm	bar	bar	kg	kg
P197	05	12,7	16,2	25,4	138,18	275,8	235,8	15,7	14,0
	07	19,1	24,2	31,8	144,57	275,8	235,8	16,0	14,4
	10	25,4	32,3	38,1	150,88	275,8	235,8	16,8	14,9
	12	31,8	40,4	44,5	157,28	275,8	235,8	17,2	15,4
	15	38,1	48,5	50,8	163,58	258,6	228,6	17,7	15,8
	17	44,5	56,5	57,2	169,98	241,4	211,4	18,4	16,5
	20	50,8	64,6	63,5	176,28	224,1	194,1	19,0	17,2

P257	05	12,7	20,9	25,4	151,89	275,8	235,8	19,8	16,4
	07	19,1	31,4	31,8	158,29	275,8	235,8	20,4	17,0
	10	25,4	41,8	38,1	164,59	275,8	235,8	20,9	17,5
	12	31,8	52,3	44,5	170,99	275,8	235,8	21,7	18,2
	15	38,1	62,7	50,8	177,29	258,6	228,6	22,3	18,7
	17	44,5	73,2	57,2	183,69	241,3	211,3	22,9	19,3
	20	50,8	83,6	63,5	190,00	224,1	194,1	23,5	19,8
	22	57,2	94,1	69,9	196,39	206,9	176,9	24,1	20,4
	25	63,5	104,5	76,2	202,69	206,9	176,9	24,7	21,0

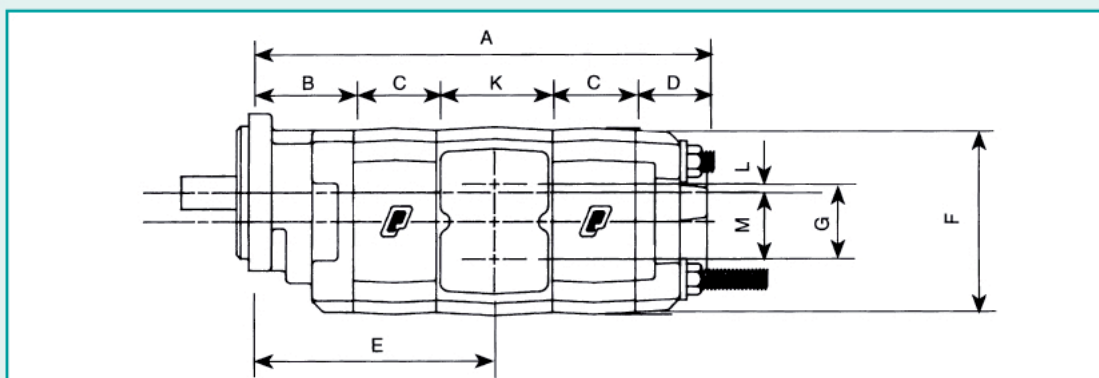
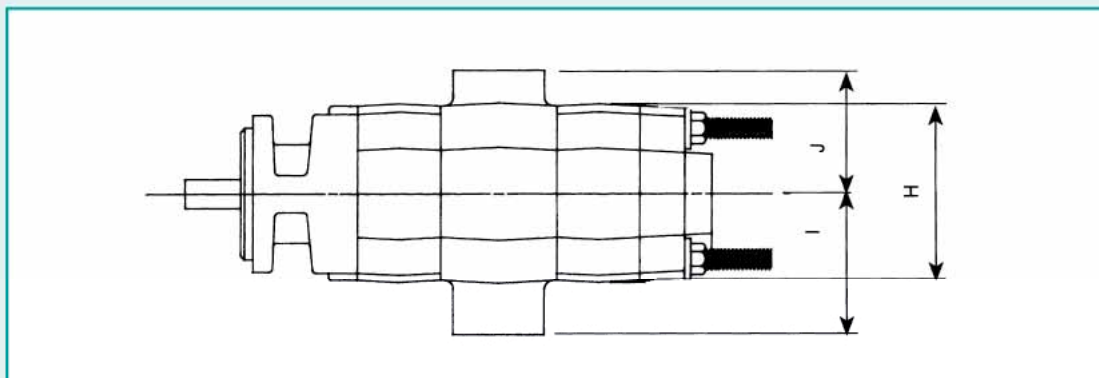
Dimensions

Single Pump-Motor



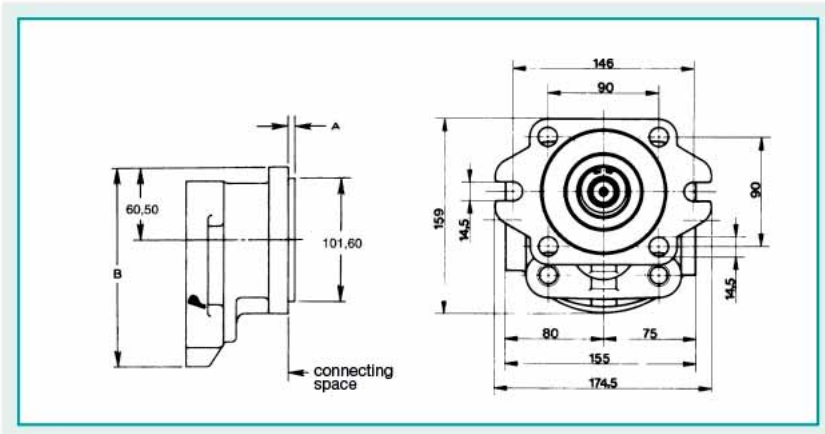
Pump type	A	B	C	D	E	F	G	H	I
	mm	mm	mm	mm	mm	mm	mm	mm	mm
P197	151,6 +C	74,7	Seite 7	64,3	Seite 7	143,8	22,4	135,1	190,5
P257	177,2 +C	88,4	Seite 7	76,2	Seite 7	144,3	25,4	152,4	189,0

Multiple Pump



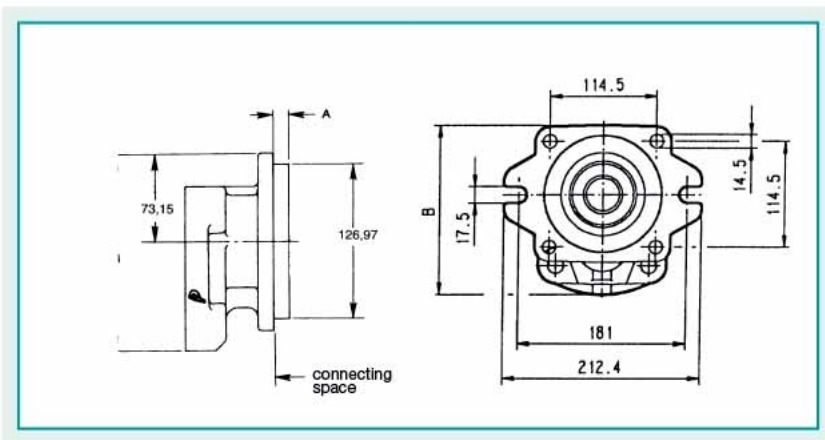
Pump type	A	B	C	D	E	F	G	H	I	J	K	L	M
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P197	248,4 ΣC (S.7)	74,7	Seite 7	54,9	Seite 7	143,8	76,20	135,4	103,1	90,4	88,9	22,6	53,6
P257	275,3 ΣC (S.7)	88,4	Seite 7	59,4	Seite 7	144,3	81,28	152,4	103,2	60,8	101,6	16,0	65,27

Flange Housing



SAE B-Combi

Pump type	A	B
	mm	mm
P197	9,65	150,88
P257	9,4	155,83



SAE C-Combi

Pump type	A	B
	mm	mm
P197	12,57	165,35
P257	12,57	168,53

Special flanges available

Drive Shafts

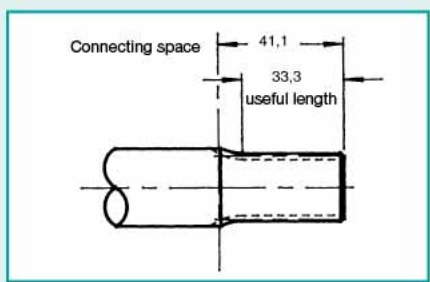
Max. recommended Torques (Nm)

Shaft Execution	P197	P257
SAE "B" 13 teeth	283	283
SAE "B" splined shaft	*212	*416
SAE "BB" 15 teeth	283	*416
SAE "B" splined shaft	*212	*416
SAE "C" 14 teeth	*212	740
SAE "C" splined shaft		640
connecting shaft	212	416

*plug-in shaft

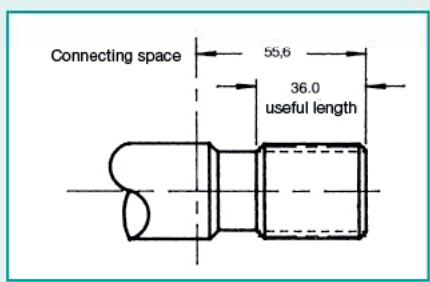
SAE 'B' 13 teeth

13 teeth – ¹⁶/₃₂ P
 SAE involute spur gear
 Exterior Ø 22,17/21,96
 Foot Ø 18,16



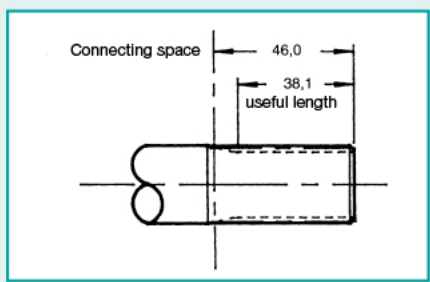
SAE 'C' 14 teeth

14 teeth – ¹²/₂₄ P
 SAE involute spur gear
 Exterior Ø 31,36/31,24
 Foot Ø 26,41

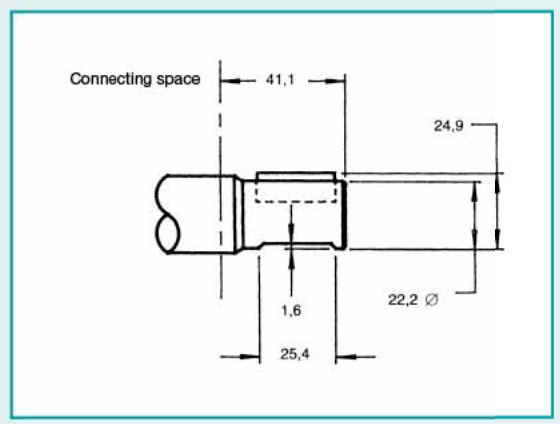


SAE 'BB' 15 teeth

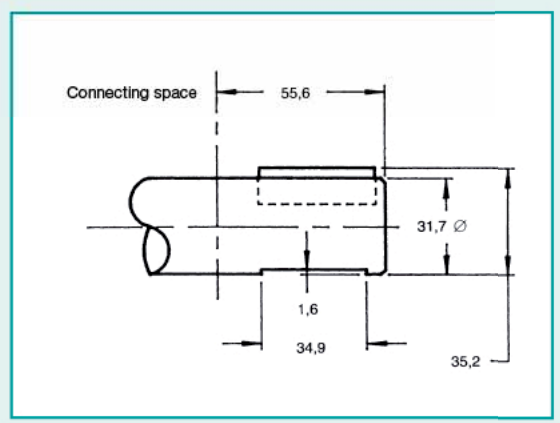
15 teeth – ¹⁶/₃₂ P
 SAE involute spur gear
 Exterior Ø 25,14/25,02
 Foot Ø 21,33



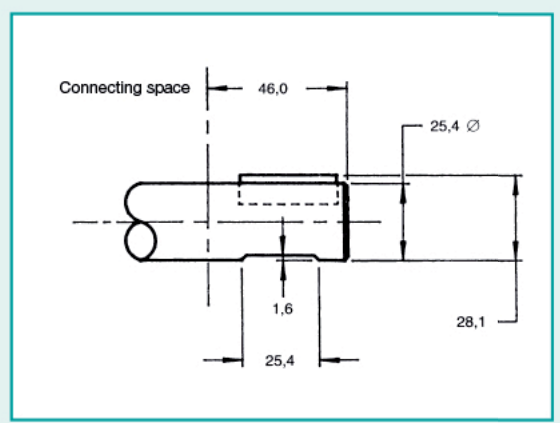
**SAE 'B' splined shaft
 spline: 6,4 x 9,5 x 25,4**



**SAE 'C' splined shaft
 spline: 7,9 x 11,9 x 38,1**



**SAE 'BB' splined shaft
 spline: 6,4 x 9,5 x 31,8**

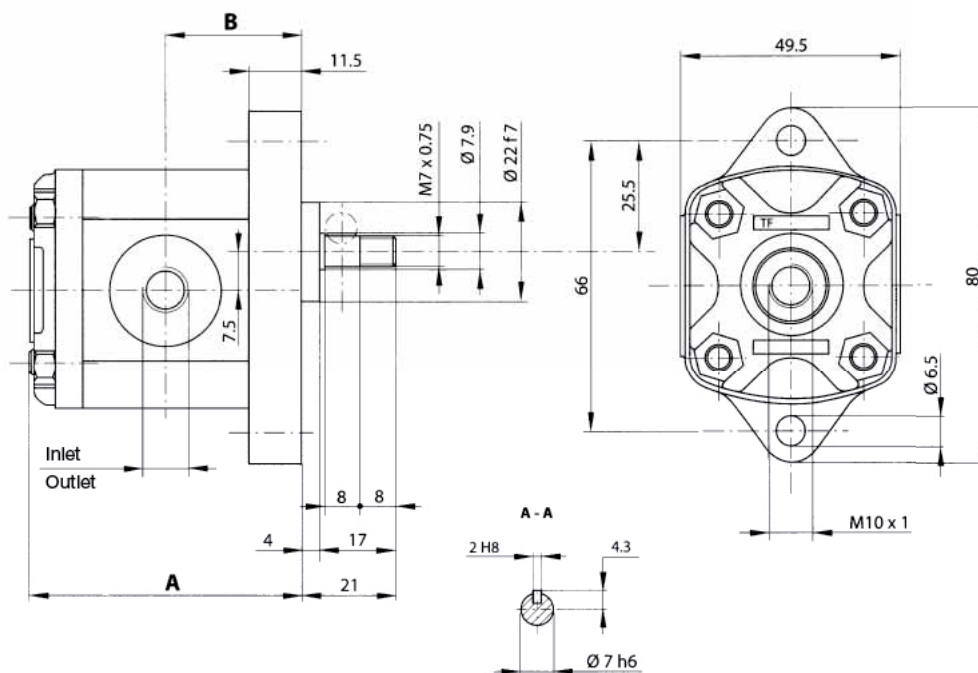


Group 0.5

Technical Data

Construction Size		0.25	0.45	0.57	0.76	1.27
Displacement	cm ³	0.25	0.45	0.57	0.76	1.27
max. Pressure	bar	200	200	200	200	200
Consatnt Pressure		180	180	180	180	180
min. Pressure w. max. Speed		103	103	103	103	103
max. Speed at 103 bar	min ⁻¹	500	500	500	500	500
max. Speed		8000	8000	8000	7000	5000
Weight	kg	0.40	0.45	0.46	0.47	0.48
Angular Momentum Rotating Parts	x 10 ⁻⁶ kg·m ²	0.425	0.544	0.621	0.737	1.049
Theoretic Conveying Output	l/min	2.00	3.60	4.56	5.32	6.35

Dimensions



TFP 50

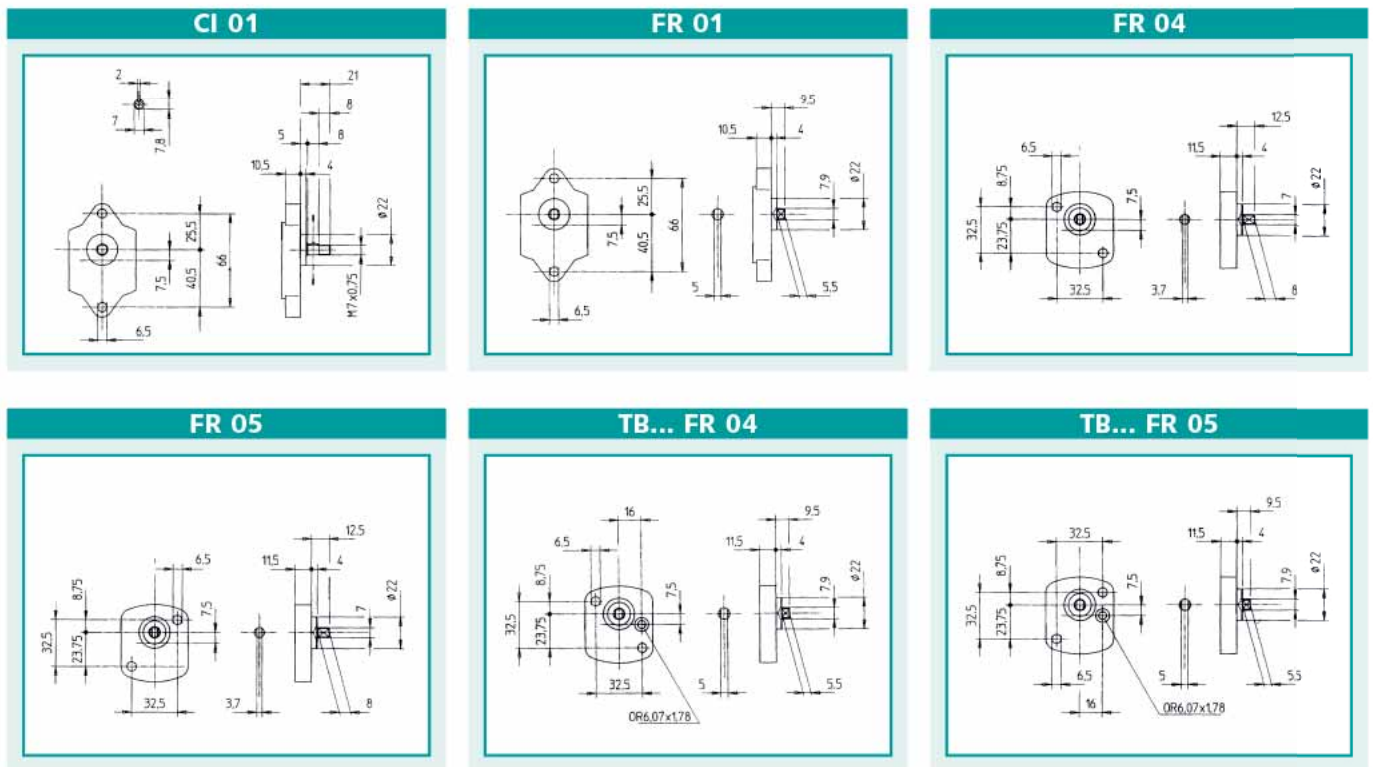
Type	0.25	0.45	0.57	0.76	1.27
A	53.5	55	56	61.5	61.5
B	26.5	27.3	27.8	30.5	30.5
Inlet	M10 x 1				
Outlet	M10 x 1				

Example for Type / Key Combination: TFP50/0,57 D CI 01..._.

Group 0.5

Construction Series	Pump type	Conveying Output (cm ³ /U)	Max. pressure		Max. rotations (min ⁻¹)	possible combinations Shaft/Flange		
			operating	peak		CI 01	FR 01	FR 04
TFP 50 Standard Gear Pump	TFP 50/0,25	0.23	180	200	8000	CI 01	FR 01	FR 04
	TFP 50/0,45	0.43	180	200	8000			
	TFP 50/0,57	0.55	180	200	8000			
	TFP 50/0,76	0.73	180	200	7000			
	TFP 50/1,27	1.22	180	200	5000			

Possible combinations with shaft/flange group 0.5



Group 1

Technical data – Group 1 Gear Pump

Construction size		1.2	1.7	2.2	2.6	3.2	3.8	4.3	6.0	7.8
Displacement	cm ³	1.18	1.57	2.09	2.62	3.14	3.66	4.19	5.89	7.59
SNP1										
max. Pressure	bar	270	270	270	270	270	270	270	210	170
Constant Pressure		250	250	250	250	250	250	250	190	150
min. Speed at 150 bar	min ⁻¹	800	800	600	600	600	600	500	500	500
min. Speed at 150 bar to constant pressure		1200	1200	1000	1000	1000	1000	800	800	800
max. Speed		4000	4000	4000	4000	4000	4000	3000	3000	3000
Weight	kg	1.02	1.05	1.09	1.11	1.14	1.18	1.20	1.30	1.39
Angular Momentum Rotating Parts	x 10 ⁻⁶ kg·m ²	3.2	3.7	4.4	5.1	5.7	6.4	7.1	9.3	11.4
Theoretic output at max. Rotations	l/min	4.72	6.28	8.36	10.48	12.56	14.64	12.57	17.67	22.77

Further instructions/info see technical data catalogue DKMH.PN.620.A1.02/520L0545

Technical data – Group 1 Gear Motors

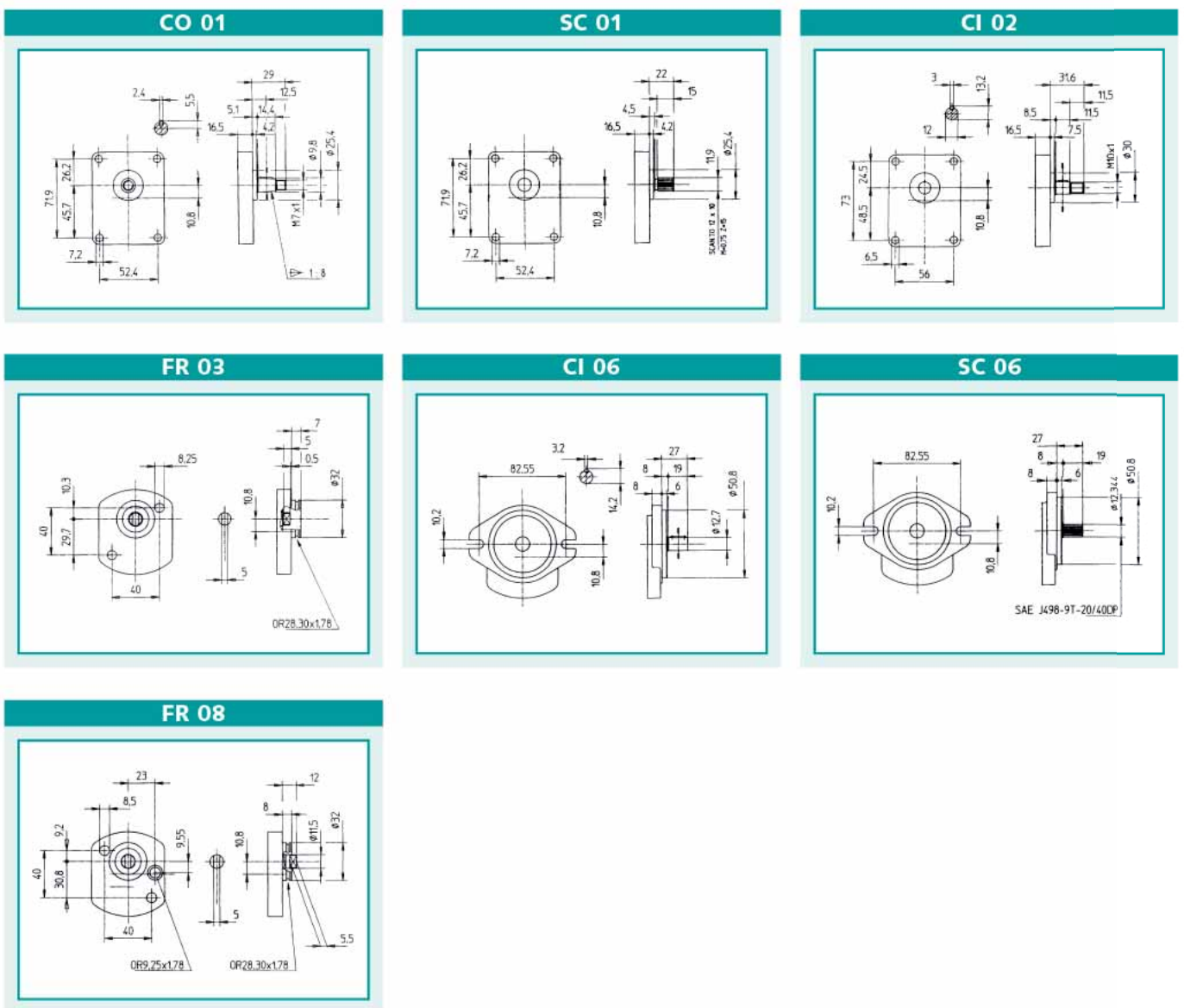
Construction size		2.6	3.2	3.8	4.3	6.0	7.8	10.0	12.0	
Displacement	cm ³	2.62	3.14	3.66	4.19	5.89	7.59	9.94	12	
SKM1										
max. Pressure	bar	270	270	270	270	250	220	180	150	
Constant Pressure		250	250	250	250	230	200	160	130	
min. rotations	min ⁻¹	1000	1000	1000	800	800	800	800	800	
min. rotations		4000	4000	3000	3000	2000	2000	2000	2000	
Weight	kg	1.02	1.14	1.18	1.20	1.30	1.39	1.55	1.65	
Angular Momentum Rotating Parts	x 10 ⁻⁶ kg·m ²	5.1	5.7	6.4	7.1	9.4	11.6	14.6	16.8	

Further instructions/info see technical data catalogue DKMH.PK.630.A1.02/520L0568

Constructions series	Type	Conveying Output (cm ³ /U)	Max. pressure		Max. rotations (min ⁻¹)	possible combinations Shaft/Flange
			operating	peak		
SKU 1/ Motor for one turning direction	TFU 100/2,6	2.6	200	220	3000	CO 01 CI 02
	TFU 100/3,2	3.1	200	220	3000	
	TFU 100/3,8	3.7	200	220	3000	
	TFU 100/4,3	4.2	200	220	3000	
	TFU 100/6	5.9	160	180	3000	
	TFU 100/7,8	7.6	140	160	3000	

SKM 1/ Motor for reversible turning direction	TFM 100/2,6	2.6	200	220	3000	CI 02
	TFM 100/3,2	3.1	200	220	3000	
	TFM 100/3,8	3.7	200	220	3000	
	TFM 100/4,3	4.2	200	220	3000	
	TFM 100/6	5.9	160	180	3000	
	TFM 100/7,8	7.6	150	160	3000	

Possible combinations with shaft/flange group 1



Group 2

Technical data – Group 2 – Gear Pumps

Constructions size		4	6	8	11	14	17	19	22	25
Displacement	cm ³	3.9	6.0	8.4	10.8	14.4	16.8	19.2	22.8	25.2
SNP2										
max. Pressure	bar	280	280	280	280	280	280	230	200	175
Constant Pressure		250	250	250	250	250	250	210	180	160
min. rotations at 0-150 bar	min ⁻¹	600	600	600	500	500	500	500	500	500
min. rotations at 100-180 bar		1200	1200	1000	800	750	750	700	700	700
min. rotations at 180 bar to const. Pressure		1400	1400	1400	1200	1000	1000	1000	-	-
max. rotations		4000	4000	4000	4000	3500	3000	3000	3000	3000
Weight	kg	2.3	2.4	2.5	2.7	2.9	3.0	3.1	3.2	3.3
Angual momentum roating parts	x 10 ⁻⁶ kg·m ²	20.6	25.7	31.5	37.3	45.9	51.7	57.5	66.2	72.0
Theoretic flow at max. speed	l/min	15.6	24.0	33.6	43.2	50.4	50.4	57.6	68.4	75.6

Further instructions/info see technical data catalogue DKMH.PN.620.B1.02/520L0560

Technical data – Group 2 – Gear Motors

Constructions size		6	8	11	14	17	19	22	25	
Displacement	cm ³	6.0	8.4	10.8	14.4	16.8	19.2	22.8	25.2	
SNM2										
max. Pressure	bar	280	280	280	280	260	230	200	180	
Constant Pressure		250	250	250	250	230	210	180	160	
Pressure Motor outlet		250	250	250	250	230	210	180	160	
min. rotations	min ⁻¹	700	700	700	700	500	500	500	500	
max. rotations		4000	4000	4000	4000	4000	3500	3500	3500	
Weight	kg	2.4	2.5	2.7	2.9	3.0	3.1	3.2	3.3	
Angual momentum roating parts	x 10 ⁻⁶ kg·m ²	25.7	31.5	37.3	45.9	51.7	57.5	66.2	72.0	
Theoretic flow at max. speed	l/min	24.0	33.6	43.2	50.4	50.4	57.6	68.4	75.6	

Further instructions/info see technical data catalogue DKMH.PK.630.A1.02/520L0568

Possible combinations shaft/flange Group 2

<p style="text-align: center;">CI 01</p>	<p style="text-align: center;">CO 01</p>	<p style="text-align: center;">SC 01</p>
<p style="text-align: center;">TSP.. SC 51</p>	<p style="text-align: center;">CO 02</p>	<p style="text-align: center;">SC 02</p>
<p style="text-align: center;">FR 03</p>	<p style="text-align: center;">CO 04</p>	<p style="text-align: center;">SC 04</p>
<p style="text-align: center;">CO 05</p>	<p style="text-align: center;">SC 05</p>	<p style="text-align: center;">CI 06</p>
<p style="text-align: center;">SC 06</p> <p style="text-align: center;">SAE J498-9T-16/320P</p>	<p style="text-align: center;">CO 09</p>	<p style="text-align: center;">CO 09... BBM</p>

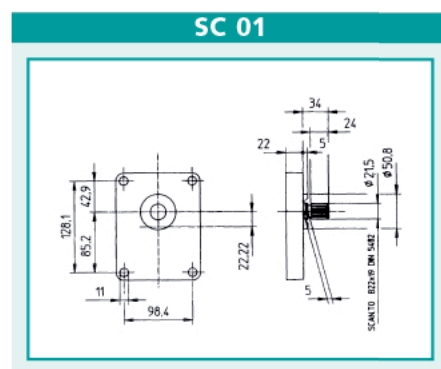
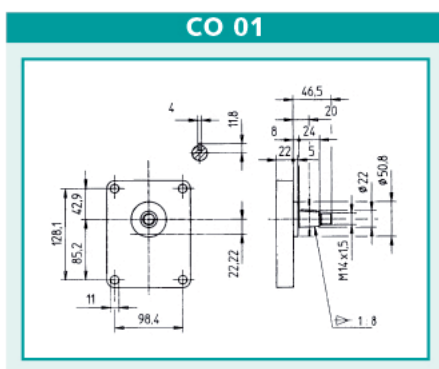
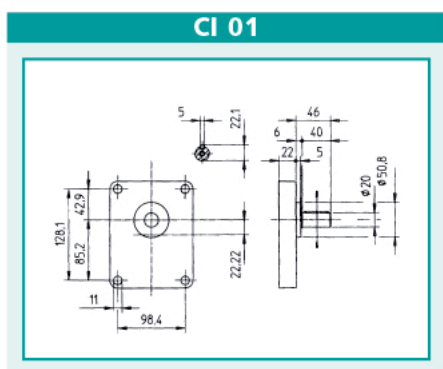
Group 3

Construction size	Type	Conveying Output (cm³/U)	Max. pressure		Max. rotations (min⁻¹)	combin. possibilities shaft / flanges		
			operating	peak				
SNP 3 High pressure pump w. pressure compensation plates	SNP 3/22	22.1	250	270	3000	CI 01	CO 01	SC 01
	SNP 3/26	26.2	250	270	3000	CI 02	CO 02	SC 02
	SNP 3/33	33.1	250	270	3000	CI 03	CO 03	SC 03
	SNP 3/38	37.9	250	270	3000	CO 06	SC 06	CI 07
	SNP 3/44	44.1	250	270	3000	SC 07	SC 08	SC 09
	SNP 3/48	48.3	230	250	3000			
	SNP 3/55	55.1	230	250	2500			
	SNP 3/63	63.4	210	230	2500			
	SNP 3/75	74.4	180	200	2500			
SNP 3/90	88.2	150	170	2500				

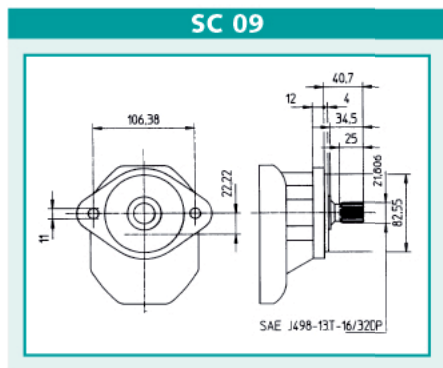
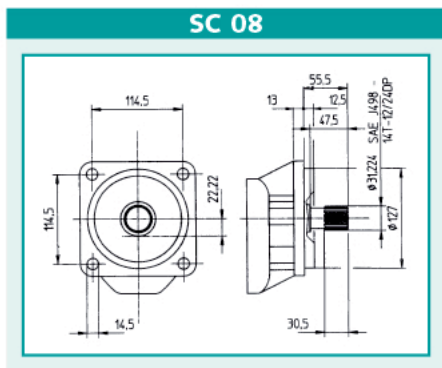
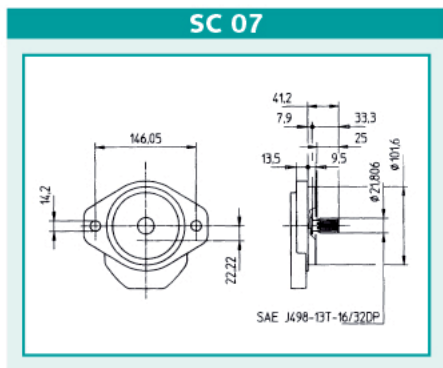
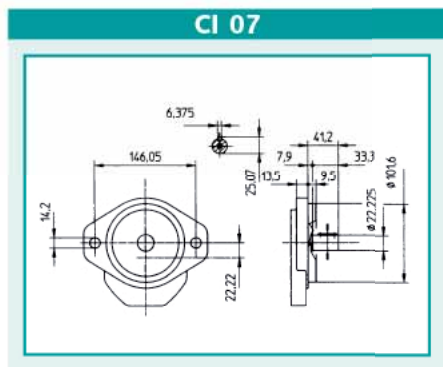
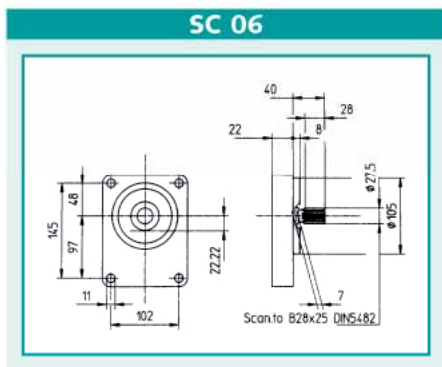
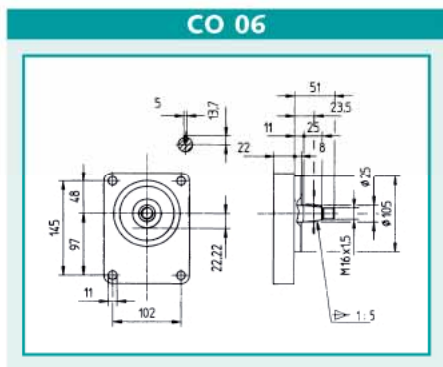
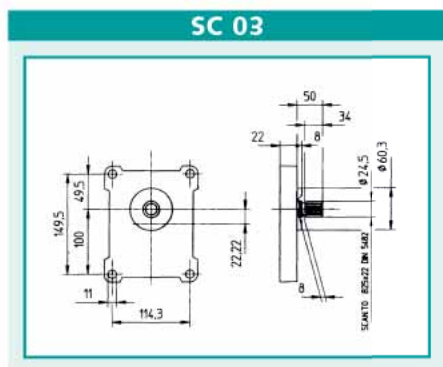
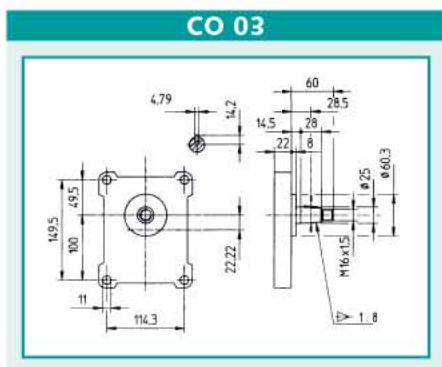
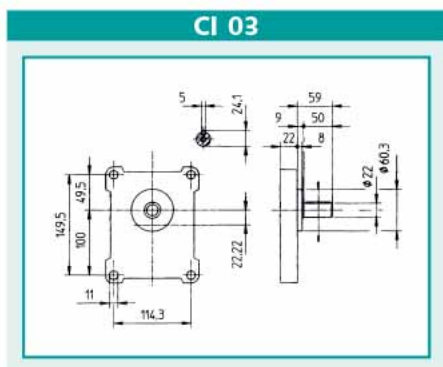
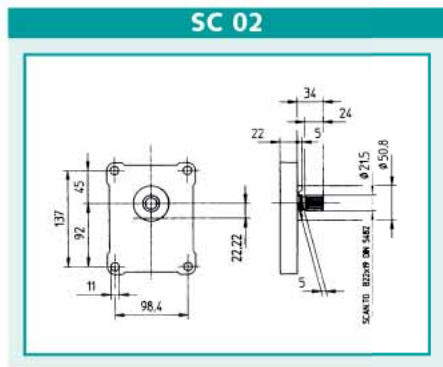
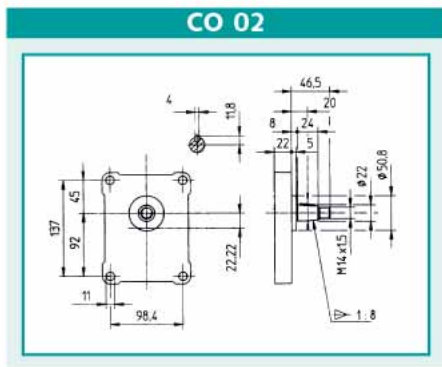
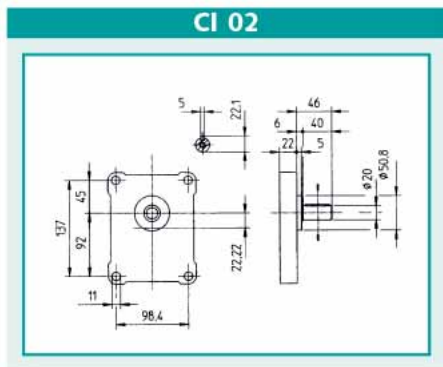
SNU 3 Motor for one turning direction	SNU 3/22	22.1	210	230	2500	CO 01	SC 01	CI 07
	SNU 3/26	26.2	210	230	2500	SC 07		
	SNU 3/33	33.1	210	230	2500			
	SNU 3/38	37.9	210	230	2300			
	SNU 3/44	44.1	180	200	2300			
	SNU 3/48	48.3	230	250	3000			
	SNU 3/55	55.1	230	250	2500			
	SNU 3/63	63.4	210	230	2500			
	SNU 3/75	74.4	180	200	2500			
	SNU 3/90	88.2	150	170	2500			

SNM 3 Motor for reversible turning direction	SNM 3/22	22.1	210	230	3000	CI 01	CO 01	SC 01
	SNM 3/26,5	26.2	210	230	3000	CO 03	CI 07	SC 07
	SNM 3/33,5	33.1	210	230	3000			
	SNM 3/38	37.9	190	210	3000			
	SNM 3/44	44.1	180	200	3000			
	SNM 3/55	55.1	170	190	3000			
	SNM 3/63	63.4	210	230	2500			
	SNM 3/75	74.4	180	200	2500			
	SNM 3/90	88.2	150	170	2500			

Possible combinations shaft/flange Group 3



Group 3



Technical Data for OMP/OMPW with 25 mm an 1" cylindr. Shaft

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP		
Motor size		25	32	40	50	80	100	125	160	200	250	315	400	
geometric absorption capacity		25,0	32,0	40,0	48,6	77,8	97,3	125,0	155,7	194,6	242,3	306,1	389,2	
Max. Rotations	(min ⁻¹)	kont.	1600	1560	1500	1230	770	615	480	385	310	250	195	155
		int. ¹⁾	1800	1720	1750	1540	960	770	600	480	385	310	245	190
Max. Torque	(daNm)	kont.	3,3	4,3	5,2	9,3	15	19	24	30	30	30	30	30
		int. ¹⁾	4,7	6,1	7,4	12	19	23	29	37	38	41	39	42
		peak ²⁾	6,7	8,6	10,7	14	22	27	37	43	54	55	60	60
Max. Capacity	(kW)	kont.	4,5	5,8	7	10	10	11	10	10	8	6	5	4
		int. ¹⁾	6,1	7,8	10,6	12	12	13	12	12	11	9	7	6
Max. Pressure gradient	(bar)	kont.	100	100	100	140	140	140	140	140	115	90	75	60
		int. ¹⁾	140	140	140	175	175	175	175	175	150	125	100	80
		peak ²⁾	225	225	225	225	225	225	225	225	225	180	160	130
Max. oil flow	(l/min)	kont.	40	50	60	60	60	60	60	60	60	60	60	60
		int. ¹⁾	45	55	70	75	75	75	75	75	75	75	75	75
Max. starting Pressure with shaft under no load		10	10	10	10	10	10	9	7	5	5	5	5	
Min. start. moment (daNm)	cont. max. pr. gradient	3	4	4,5	8	13,5	17	21	28	27	28	28	28	
	cont. max. int.pr. gradient ¹⁾	4	5,5	6,3	10	17	21	27	35	36	39	37	40	
Min. Rotations ³⁾	(min ⁻¹)	20	15	10	10	10	9	9	8	7	5	5	5	

Technical Data for OMP/OMPW with 1" Multiple Spline Shaft and 28,5 mm Conical Shaft

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP
Motor size		50	80	100	125	160	200	250	315	400		
geometric absorption capacity (cm ³)		48,6	77,8	97,3	125,0	155,7	194,6	242,3	306,1	389,2		
Max. Rotations	(min ⁻¹)	kont.		1230	770	615	480	385	310	250	195	155
		int. ¹⁾		1540	960	770	600	480	385	310	245	190
Max. Torque	(daNm)	kont.		9,3	15	19	24	30	36	36	36	36
		int. ¹⁾		12	19	23	29	37	45	46	47	46
		peak ²⁾		14	22	27	37	43	54	55	54	56
Max. Capacity	(kW)	kont.		10	10	11	10	10	10	8	6	5
		int. ¹⁾		12	12	13	12	12	12	10,5	7,5	6
Max. Pressure gradient	(bar)	kont.		140	140	140	140	140	140	105	90	70
		int. ¹⁾		175	175	175	175	175	175	140	120	90
		peak ²⁾		225	225	225	225	225	225	180	160	130
Max. oil flow	(l/min)	kont.		60	60	60	60	60	60	60	60	60
		int. ¹⁾		75	75	75	75	75	75	75	75	75
Max. starting Pressure with shaft under no load			10	10	10	9	7	5	5	5	5	
Min. start. moment (daNm)	cont. max. pr. gradient		8	13,5	17	21	28	34	33	34	34,5	
	cont. max. int.pr. gradient ¹⁾		10	17	21	27	35	42	44	45	42,5	
Min. Rotations ³⁾	(min ⁻¹)		10	10	9	9	8	7	5	5	5	

¹⁾ operation max. 10% per minute

²⁾ peak load: max. 1% per minute

³⁾ lower rotations cause unsteady runs

Technical Data for OMP with 32 mm cylindric shaft

Type			OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	
Motor size			50	80	100	125	160	200	250	315	400
geometric absorption capacity (cm³)			48,6	77,8	97,3	125,0	155,7	194,6	242,3	306,1	389,2
Max. Rotations (min ⁻¹)		kont.	1230	770	615	480	385	310	250	195	155
		int. ¹⁾	1540	960	770	600	480	385	310	245	190
Max. Torque (daNm)		kont.	9,3	15	19	24	30	36	46	47	49
		int. ¹⁾	12	19	23	29	37	45	57	62	63
		peak ²⁾	14	22	27	37	43	54	67	82	84
Max. Capacity (kW)		kont.	10	10	11	10	10	10	9,5	7,5	6,5
		int. ¹⁾	12	12	13	12	12	12	12	9	7,5
Max. Pressure gradient (bar)		kont.	140	140	140	140	140	140	140	120	95
		int. ¹⁾	175	175	175	175	175	175	175	160	125
		peak ²⁾	225	225	225	225	225	225	225	225	180
Max. oil flow (l/min)		kont.	60	60	60	60	60	60	60	60	60
		int. ¹⁾	75	75	75	75	75	75	75	75	75
Max. starting Pressure with shaft under no load			10	10	10	9	7	5	5	5	5
Min. start. moment (daNm) (daNm)		cont. max. pr. gradient	8	13,5	17	21	28	34	42	46	46
		cont. max. int.pr. gradient ¹⁾	10	17	21	27	35	42	53	60	60
Min. Rotations ³⁾ (min ⁻¹)			10	10	9	9	8	7	5	5	5

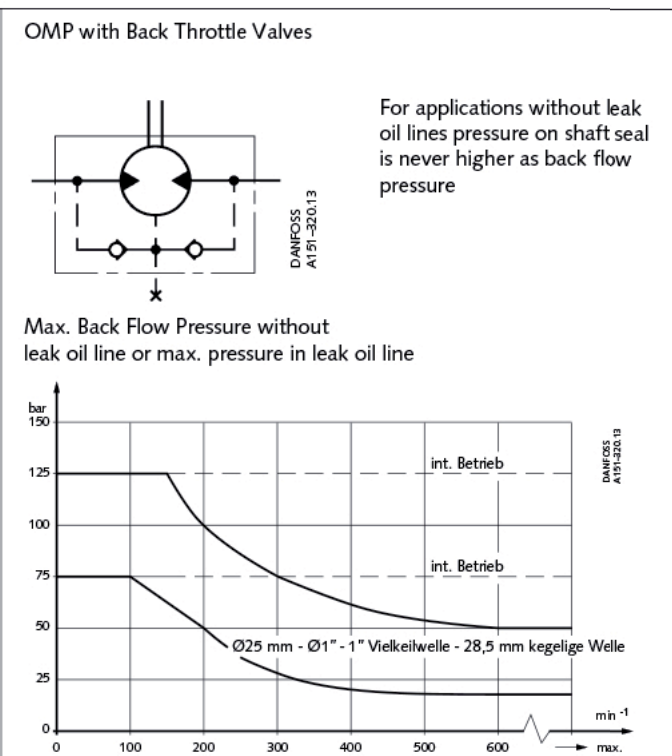
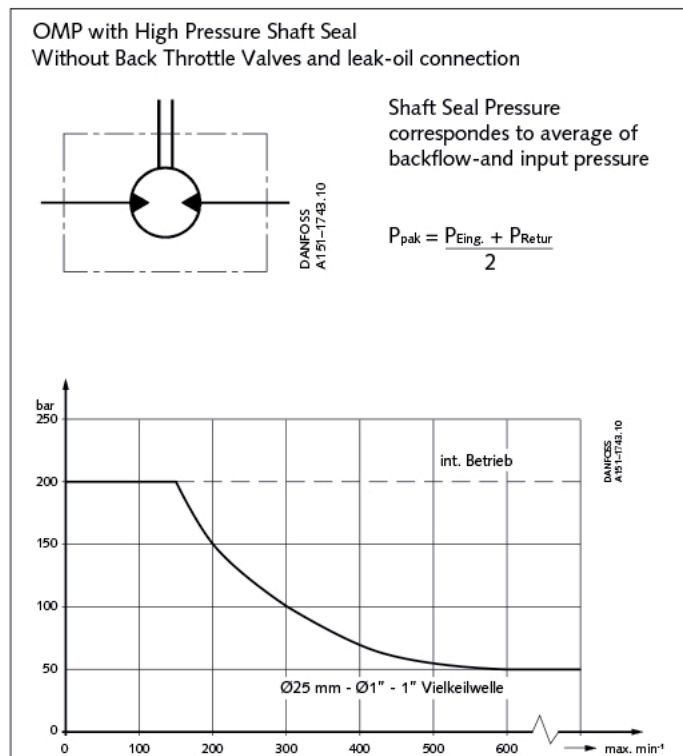
Type			Max. input pressure	Max. back flow pressure w.leak oil line
OMP 25-400 (bar)		kont.	175	175
		int. ¹⁾	200	200
		peak ²⁾	225	225

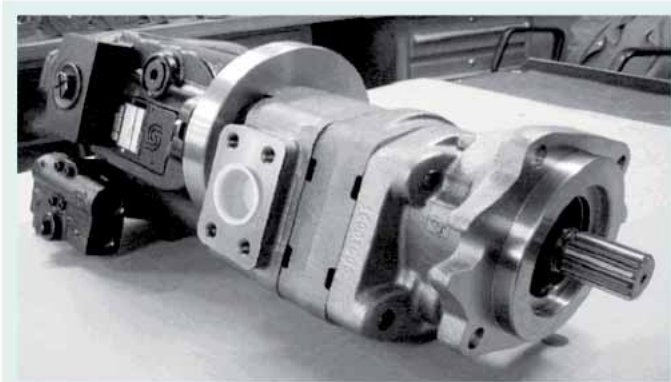
¹⁾ operation max. 10% per minute

²⁾ peak load: max. 1% per minute

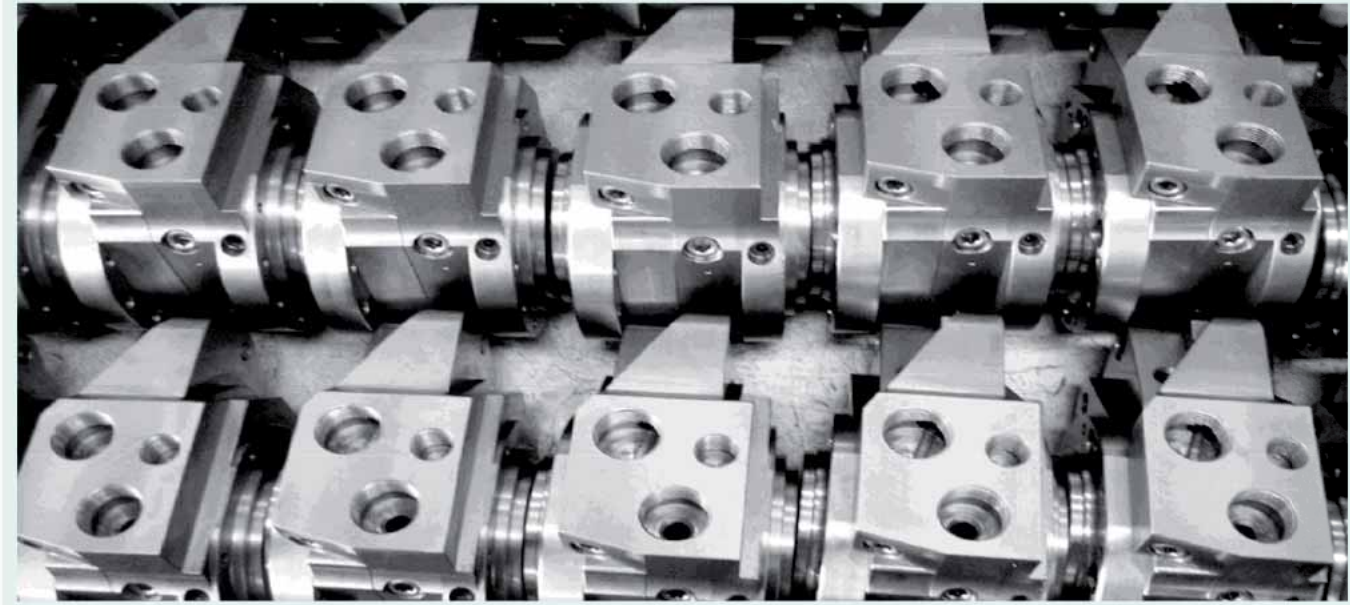
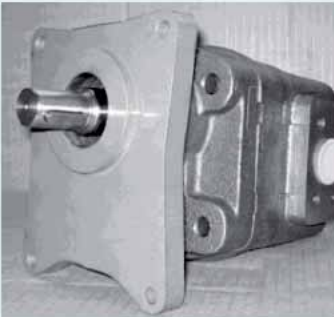
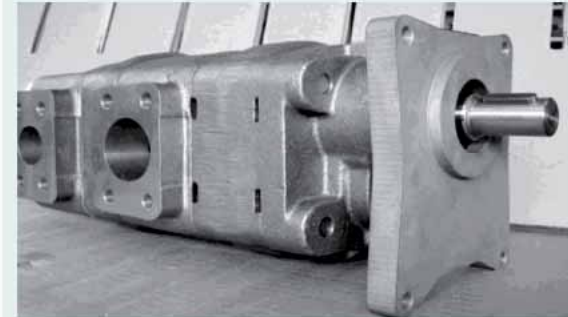
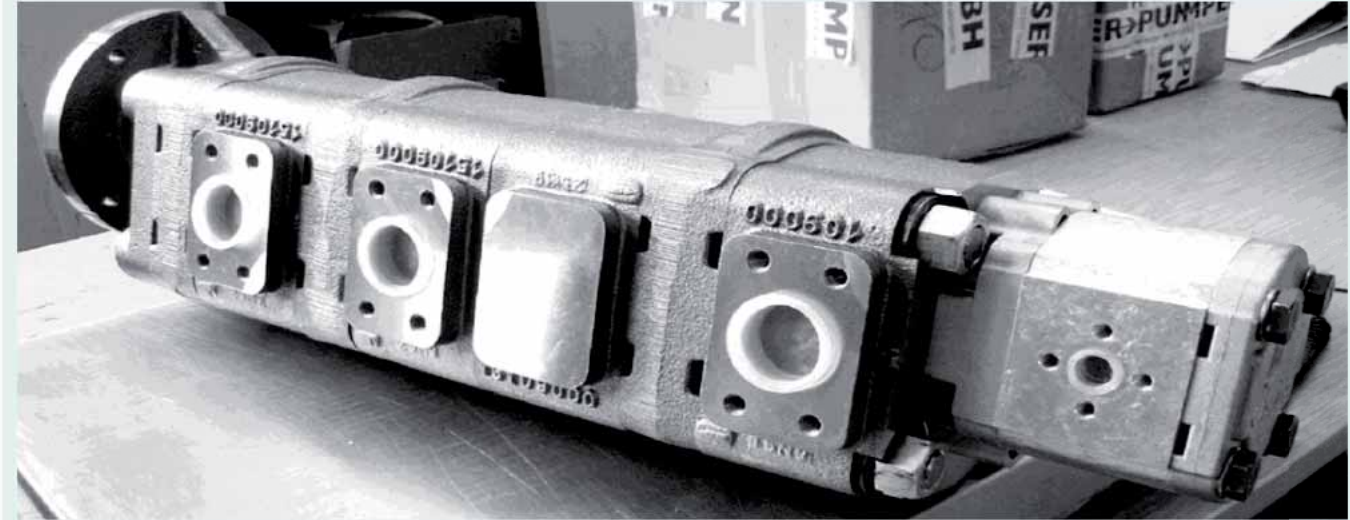
³⁾ lower rotations cause unsteady runs

Max. admissible Pressure on Shaft Seal





External Gear Pumps Units as individual or special execution for example for no more available brands: VICKERS, HAMWORTHY, DAVID BROWN, REXROTH-SIGMA, LAMGORGHINI, SALAMI, etc.



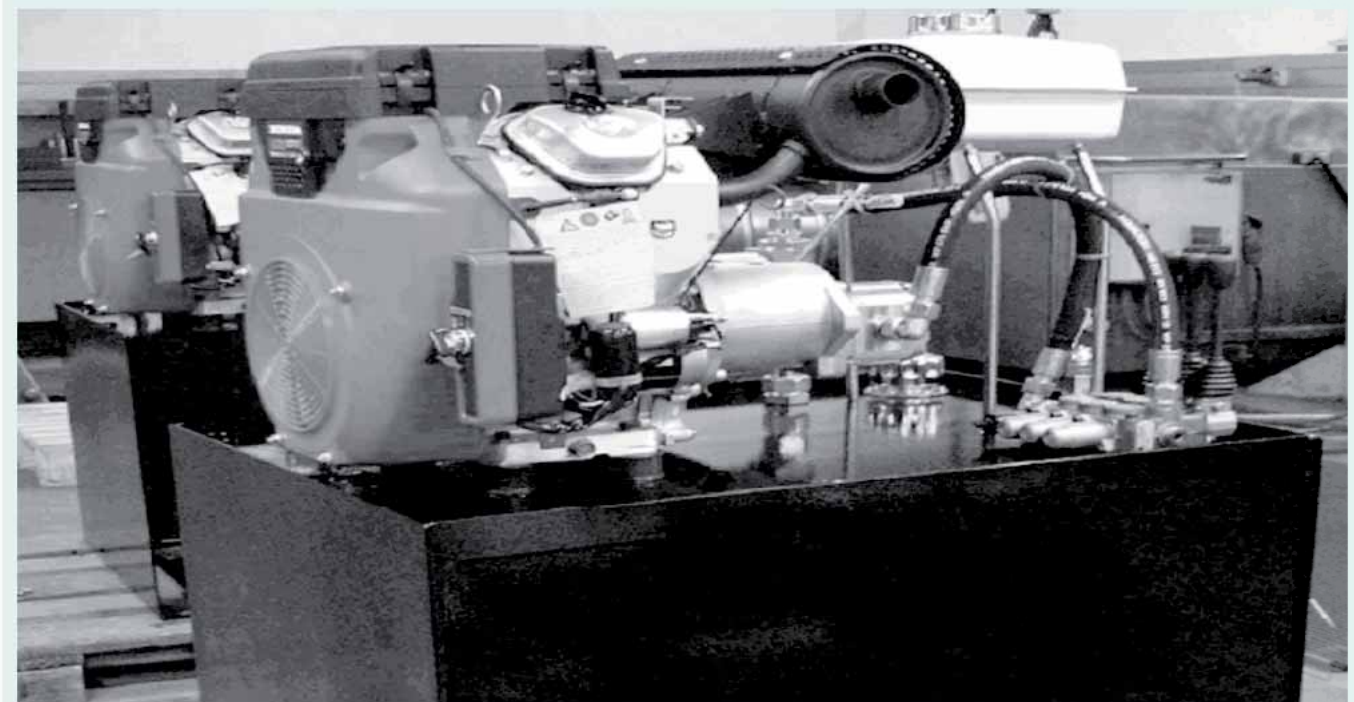


Construction Sets in Single and In-Line Execution

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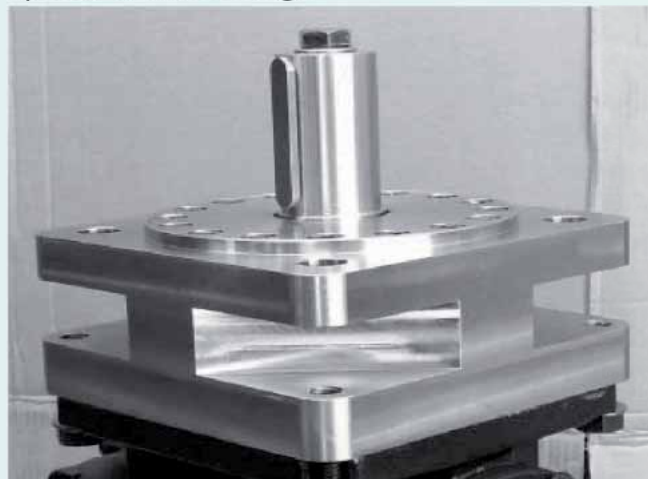
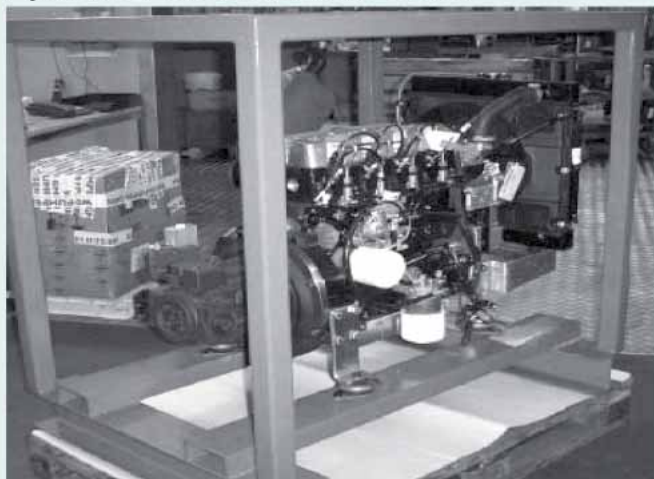


Ships hydraulic – Bow-Thruster Drives – Ships-Airtraffic Controls

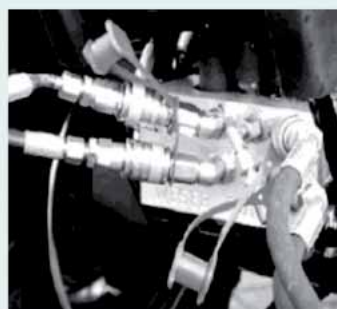


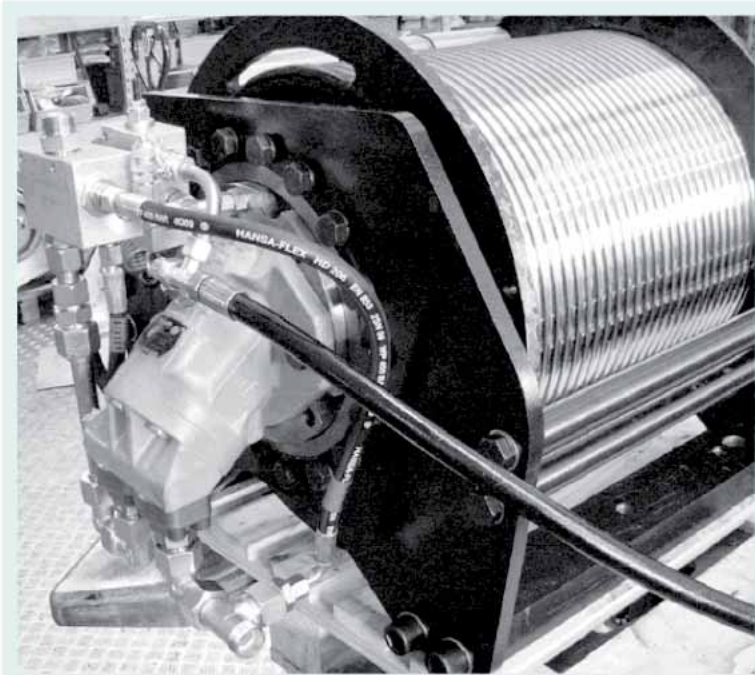
Hydraulic Power Pack with Diesel

Special Front Bearings



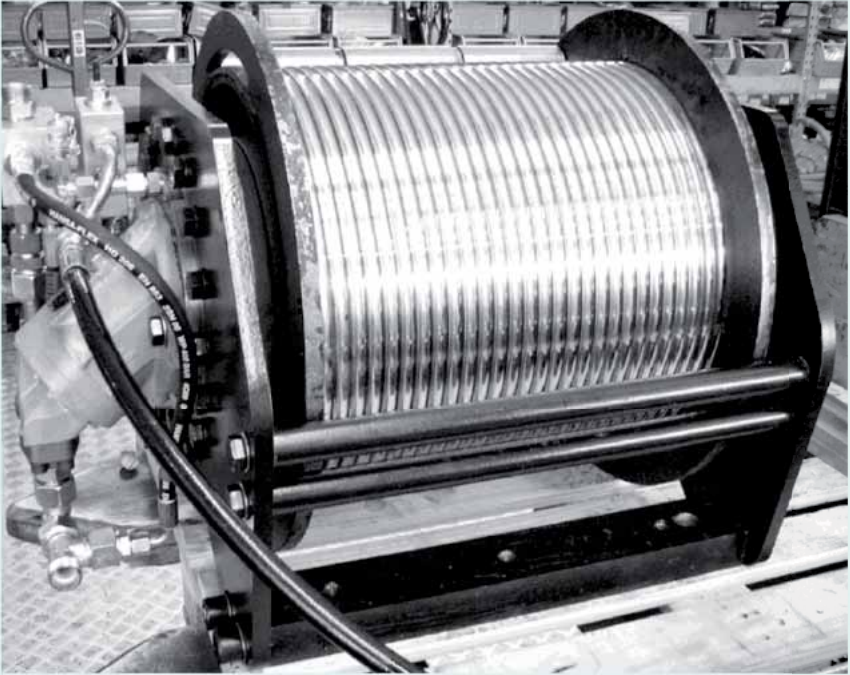
HONDA ATV with extra hydraulics





Hydraulic Rope Winches with ATEX Certification for explosion proof off-shore operation for natural gas and oil industrie. Individuall and Mini-Series Construction as special upon-request exections. Concipation and Tow Force acc. to requirements.

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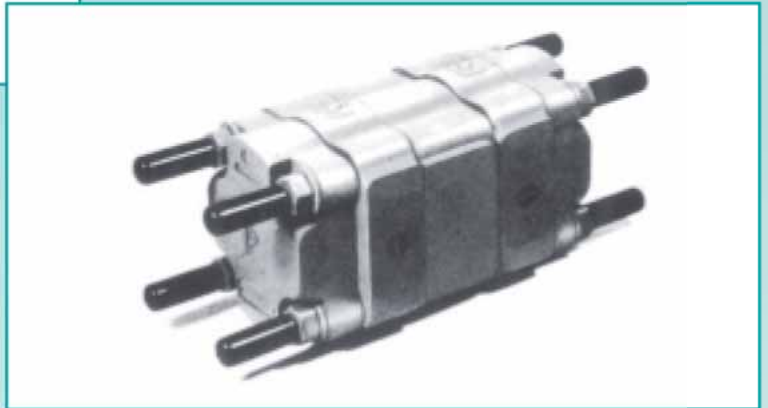
WESER→PUMPEN



Gear Pumps, -Motors & Rotating Flow Dividers

WP 124: 10 > 40 cm³
WP 197: 16 > 64 cm³
WP 257: 20 > 104 cm³
WP 340: 17 > 81 cm³
WP 540: 40 > 125 cm³

Rotating Flow-Dividers
2 > 8 sections



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