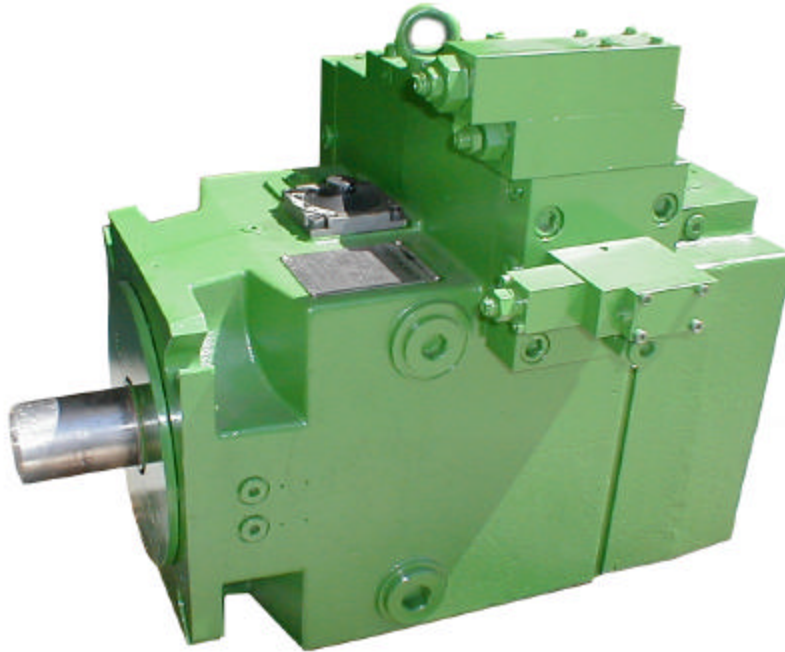


HYDROKRAFT

Industrial Duty Hydraulic Pumps & Motors



Series: PF, PV, PFOS, PVOS, PFW, PVW (Open Circuit)

FEATURES:

- Axial Piston, Swashplate Design
- Fixed or Variable Volume
- Open Circuit
- Wide Variety of Control Options
- Pressure or Displacement Controls
- Tandem Mounting Capability
- Exceptionally Quiet Operation
- Superior Service Life
- Contamination Resistant
- Atmospheric Suction

For Sales and Service, contact:

I H D, Inc.

6830 North Eldridge Parkway, Unit 102
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Telefax: +1 (713) 849 - 5638
E. mail: info@ihd-usa.com

PRESSURE CONTROLS:

- Screw Adjustment **(FE)**
- Hand Wheel Adjustment **(HG)**
- Pressure Compensator **(DR)**
- Adjustable Max Volume with Pressure Compensator **(DF)**
- Power Limiter **(LR)**
- Load Sensing **(FR)**

DISPLACEMENT CONTROLS:

- Pressure Proportional **(DP)**
- Proportional Servo **(SP)**
- Others upon request **(ES)**

www.HydrokraftPumps.com

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HYDROKRAFT

Open Circuit Pump Specifications: PF, PV, PFOS, PVOS, PFW, PVW

General Data:										
Size			066	090	130	180	250	360	500	750
Design			Swashplate axial-piston pump							
Type of Mounting			Flange or foot mounted. Tandem pump only foot mounted							
SAE Flange Type	B A	psi	1½" - 3000 1" - 3000	2" - 3000 1" - 6000	2½"" - 3000 1" - 6000	2½"" - 3000 1¼" - 6000	3½" - 500 1½"" - 6000	3½" - 500 1½" - 6000	5" - 500 2" - 6000	5" - 500 2" - 6000
Direction of Rotation			Clockwise, when looking at the shaft end of the pump, counter-clockwise on request							
Speed Range	n _{min.}	rpm	150							
	n _{max.}		1800	1800	1800	1800	1800	1500	1800	1800 ¹⁾
Ambient Temperature Range	min. max.	°C	-20 +50							
Weight	m	kg	55	75	106	114	212	220	340	395
Hydraulic Characteristics:										
Rated Pressure (100% Duty Cycle)	p _N	bar	350							
Input Pressure	p ₁ min. p ₁ max.	bar	1 bar absolute							
Maximum. Pressure	p ₂ max.	bar	420							
Hydraulic Fluid			Premium quality petroleum based. Others fluids upon request.							
Hydraulic Fluid Temperature Range	min. max.	°C	-25 at start +90							
Viscosity Range	μ	cSt	10 75							
Max. Permissible Viscosity at Start Up	μ	cSt	1000							
Filtration (recommended)			β ₁₀ > 75 contamination ratio according to ISO 4406: 18/15/13							
Maximum Displacement at: n = 1500 rpm n = 1800 rpm	V _g	cc	66	90	130	180	250 250	360 300	500 410	750 ¹⁾ 750 ¹⁾
Maximum Flow Rate at: n = 1500 rpm n = 1800 rpm	Q _g	L /min	99 118	135 162	195 234	270 324	375 450	540 540	750 900 ²⁾	0900 ¹⁾ 900 ¹⁾
Case pressure	p _v	bar	max. 0.5 above p ₁ / p _{v max} = 4 bar absolute							
Drive										
Maximum drive torque (p ₂ max., ? = 100%)	M ₁	Nm	440	600	868	1202	1685	2405	3340	5000
Maximum power consumption (p ₂ max.,n = 1500rpm, ? = 100%)	P ₁	kW	69	94	136	189	265	378	525	787
1. 1200 rpm only! Faster speeds allowed with head pressure > 0.25 bar absolute 2. Head pressure > 0.17 bar absolute only!										