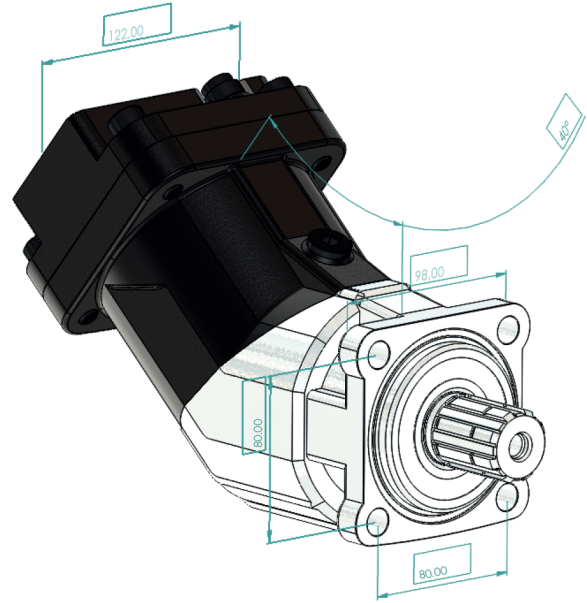
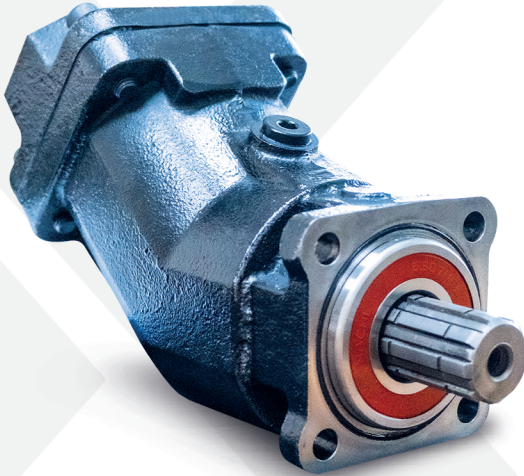




NPX 108S Hydraulic Piston Pump have the following advantages;

- Compact Design,
- Economical Conception,
- High Power Density,
- High Overall Efficiency,
- High Rotating Speeds,
- High Output Pressure,
- 400 bar Cont. Work. Pressure,
- 450 bar Peak Pressure,
- From 12cc to 130cc,
- Reduced Noise Level,
- Increased Reliability,
- No Drain Line Necessary,
- Smaller Installation Dimensions,
- One Piece Pistons with Piston Rings,
- Special Inlet Fittings & Accesories,
- Simple Change of Direction of Rotation

Ordering Code of NPX 108S Hydraulic Piston Pump

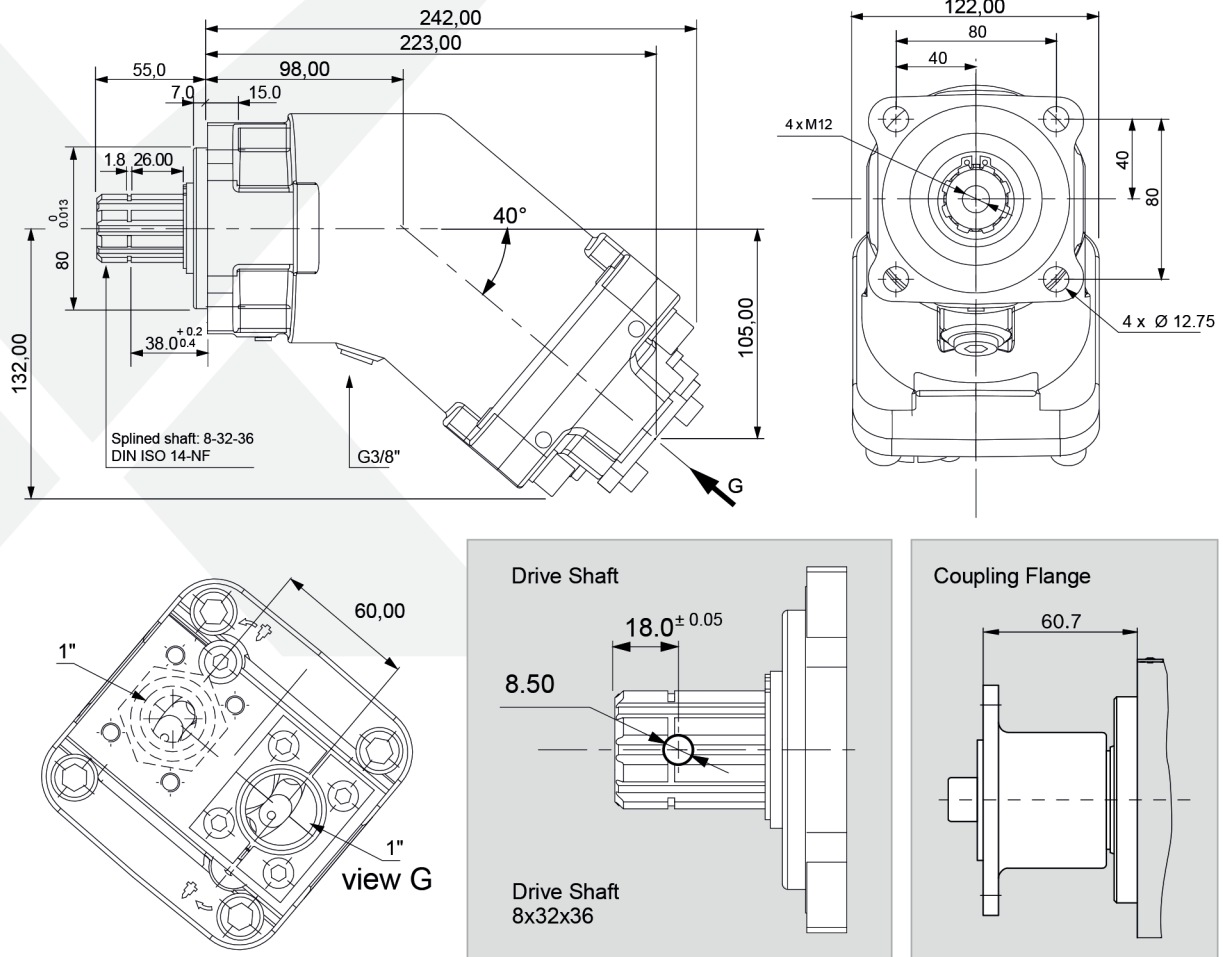
		12	18	25	32	40	50	63	80	108	130
Displacement	cc	12,00	18,00	25,00	32,00	40,20	50,00	63,00	80,00	108,4	130,0
Theoretical oil flow l/min at pump speed	1000 rpm	12,00	18,00	25,00	32,00	40,20	50,00	63,00	80,00	108,4	130,0
	1500 rpm	18,00	27,00	37,50	48,00	60,30	75,00	94,50	120,0	162,6	195,0

Maximum Pump Speed											
- Continuous	rpm	2300	2300	2300	2250	1900	1900	1900	1700	1700	1600
- Limited	rpm	3100	2900	2700	2700	2500	2500	2300	2100	1900	1750
Max. Continuous Pressure	bar	400	400	400	400	400	400	400	400	400	400
Max. Intermit. Peak Pressure	bar	450	450	450	450	450	450	450	450	450	450
Max. Torque at 350 bar	Nm	71	105	146	190	240	292	360	460	620	746

Weight											
- Without inlet fitting	kg	9,00	9,00	9,50	10,50	10,50	11,00	11,50	15,00	15,50	16,50
- With inlet fitting	kg	9,40	9,40	9,90	10,90	10,90	11,40	11,90	15,40	15,90	17,00

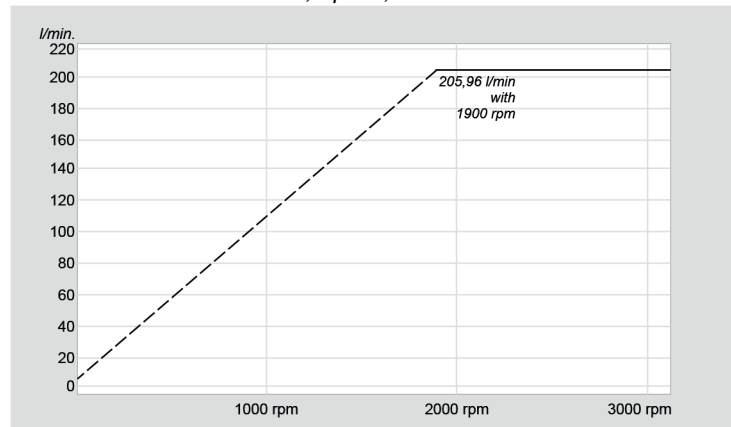
Rotation		CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW
Fluid		Mineral Based Hydraulic Oils									
Inlet & Outlet		3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1"

Ordering Code of NPX 108S Hydraulic Piston Pump



x 1000 rpm	108,40 cc
x 1500 rpm	162,60 cc
Max. Continuous Pump Speed	1700 rpm
Max. Limited Pump Speed	1900 rpm
Max. Continuous Pressure	350 bar
Max. Intermit. Peak Pressure	450 bar
Max. Torque at 350 bar	620 Nm
Weight without inlet fitting	15,50 kg
Weight with inlet fitting	15,90 kg
Torque without inlet fitting	17,92 N.m
Torque with inlet fitting	18,45 N.m
Rotation	CW-CCW
Fluid	Min.B.Hyd.Oil
Inlet & Outlet	1"

Flow, Speed, Pressure List of NPX 108S Series



Installation & User Guide

The NPX 108S Hydraulic Piston Pump fitted with a rubber front seal.

INSTALLATION

NPX 108S Hydraulic Piston Pump are direct mounting on the PTO.
Grease the splined shaft before installation. Do not tap the gear wheel/driver into position.
Remove any mounted screws on the pump.
The NPX 80S was delivered with protective covers and plastic/threaded plugs.
It should be removed before of install. Please check seals and surfaces. If sealing or other surfaces damaged please contact your responsible Service Partner.
Start up and run the pump at medium speed (800 to 1000 rpm at the PTO) until the oil flowing out of the pump. (There are no more air bubbles.)

OIL SUPPLY

Oil and supply line should be clean, and the supply line is airtight.

SUCTION LINE

Connect the suction line, tighten the suction connection bolts in diametric pairs.
Connect the pressure line.

REPAIR

We offers a comprehensive range of services for the repair of our Hydraulic Piston Pump.
Repairs to the NPX 108S Hydraulic Piston Pump may only be performed by authorized, skilled and instructed personnel.
Only use original and pre-installed our NPX 108S spare parts from supplied to Manufacturer..
Tested and pre-installed NPX 108S Hydraulic Piston Pump successful repair requiring only little time.
SPARE PARTS
The spare parts list and the NPX 108S Hydraulic Piston Pump order specific.
When ordering spare parts, quote the material and complete Ordering code number of the NPX 108S Hydraulic Piston Pump as well as the right numbers of the spare parts.

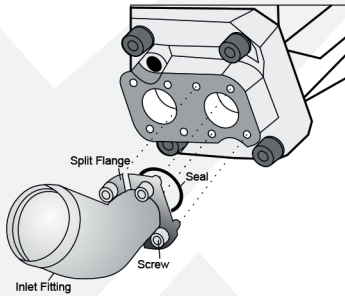
RISK OF DAMAGE!

Do not touch the drive shaft of the NPX 108S Hydraulic Piston Pump
Do not touch sensor, valves and fittings
Do not touch sealing surfaces.

Weight												
- Without inlet fitting	kg	9,00	9,00	9,50	10,50	10,50	11,00	11,50	15,00	15,50	16,50	
- With inlet fitting	kg	9,40	9,40	9,90	10,90	10,90	11,40	11,90	15,40	15,90	17,00	

Address all questions regarding spare parts to your responsible Our Service Partner or the technical service department of the manufacture's plant / factory for the NPX 108S Hydraulic Piston Pump

Changing the Direction of Rotation



FLUID

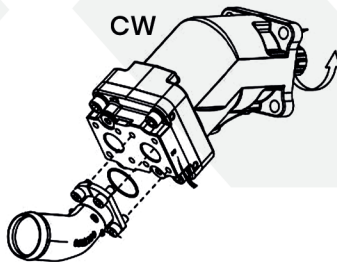
Please check the following recommendations:
Mineral oil



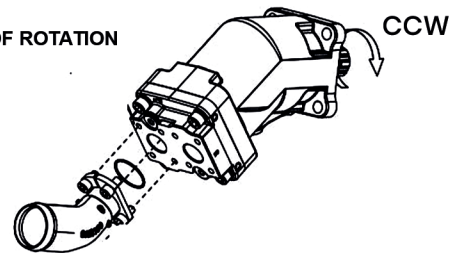
Viscosity
Min. viscosity
Viscosity for correct operation
Recommended filtration

20 to 40 cSt
5 cSt
10 to 400 cSt
10μ absolute
class 9 NAS 1638
class 6 SAE
class 18/15 ISO
100 oC

Max temp.



NPX 108S DIRECTION OF ROTATION



- 1) 6307 BEARING
- 2) RETAINING RINGS
- 3) SEALS
- 4) BODY
- 5) BODY PLUG
- 6) SHAFT BEARING
- 7) SHAFT
- 8) PISTON
- 9) CENTER PIN
- 10) PISTON RING
- 11) CYLINDER BLOCK
- 12) HK16 * 16&HK12 * 10 BEARING
- 13) VALVE PLATE
- 14) END COVER
- 15) COVER PLUG

