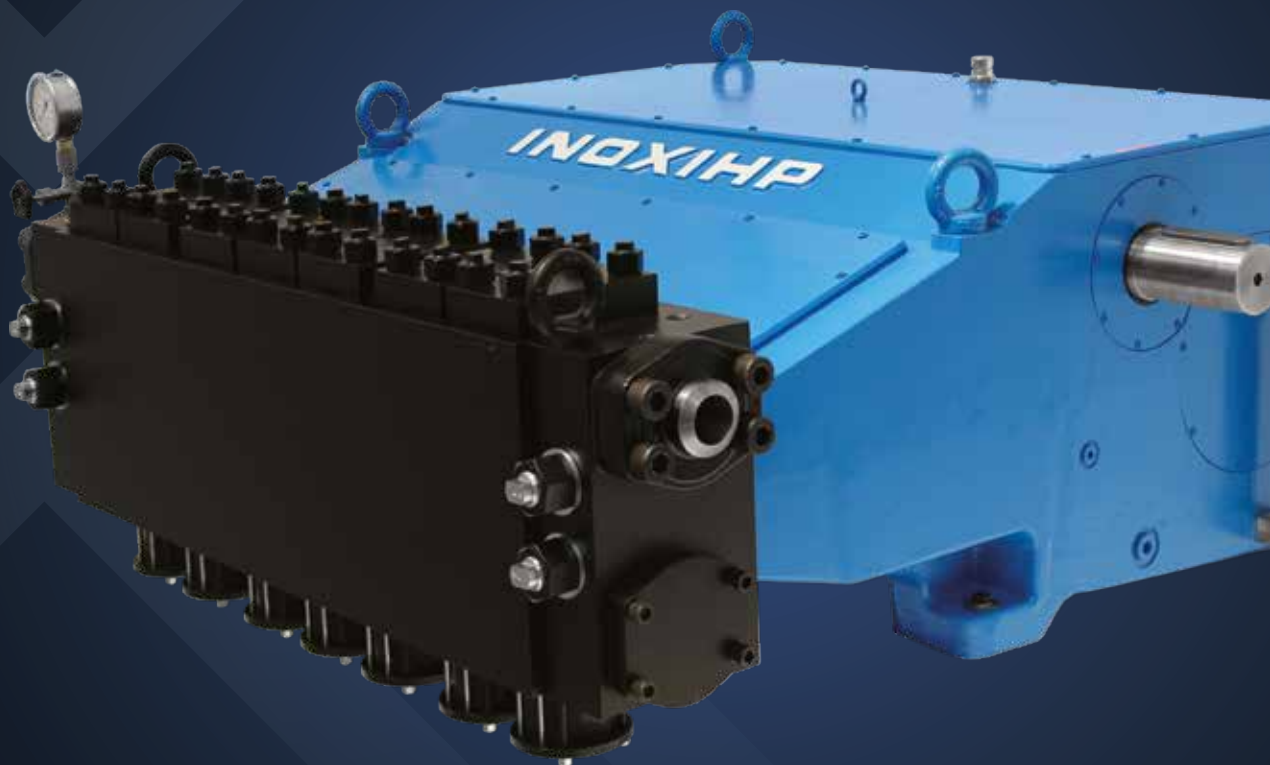


INOX IHP
ABOUT USING WATER



PF 770

Reciprocating Horizontal
Septuplex Plunger Pumps



PF 770



General features

- Compact dimension
- Low noise
- Forced lubrication system
- Easy maintenance
- Low maintenance costs
- Internal double reduction gears with helical gears
- Input shaft can be placed on either side of the pump
- Self-adjusting seal packing
- Pumping package cooling system
- Available with carbon steel or stainless steel hydraulic head
- Low vibrations
- Constant hydraulic flow with minimal pulsation: no pulsation dampener required

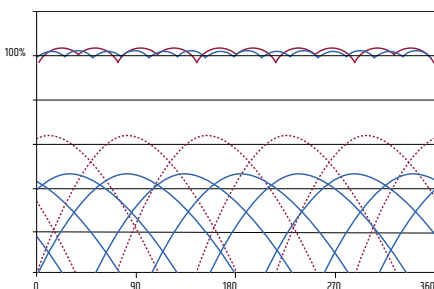
Accessories

- Valve lifter controlled by means of pneumatic solenoid
- Regulating pressure valve
- Unloading valve
- Pressure-relief valve
- HP check valve
- Suction and/or delivery gauge
- Low and high pressure switches
- Simplex or duplex suction filter
- Manifold groups for suction/delivery

Applications

- Descaling system
- Hydrostatic bearing lubrication
- Press drive
- Hydraulic testing
- Coal mining
- Industrial cleaning
- Spunlace
- Deburring

Pulsation diagram



Septuplex

Variation over average: 0,91%
Variation below average: 2,5%
Total variation: 3,41%

Quintuplex

Variation over average: 1,9%
Variation below average: 5,2%
Total variation: 7,1%

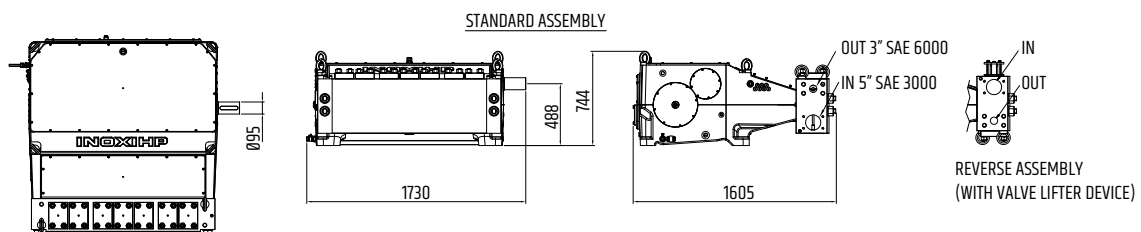
Identification code

see tables on the next page > > >

PF		770					
SIZE	SHAPE	RATIO	Ø PLUNGER	HYDRAULIC HEAD MATERIAL		LUBRICATION	
770	STD	L	60	S	Carbon steel	6A	Independent forced lubrication + water heat exchanger
771	SX	M	65	D	Standard Stainless steel	6B	Independent forced lubrication + air heat exchanger
			70	HYDRAULIC HEAD VERSION			
			76	S50	NP 400 bar max.		
				S51	NP 400 bar max. + Valve lifter		

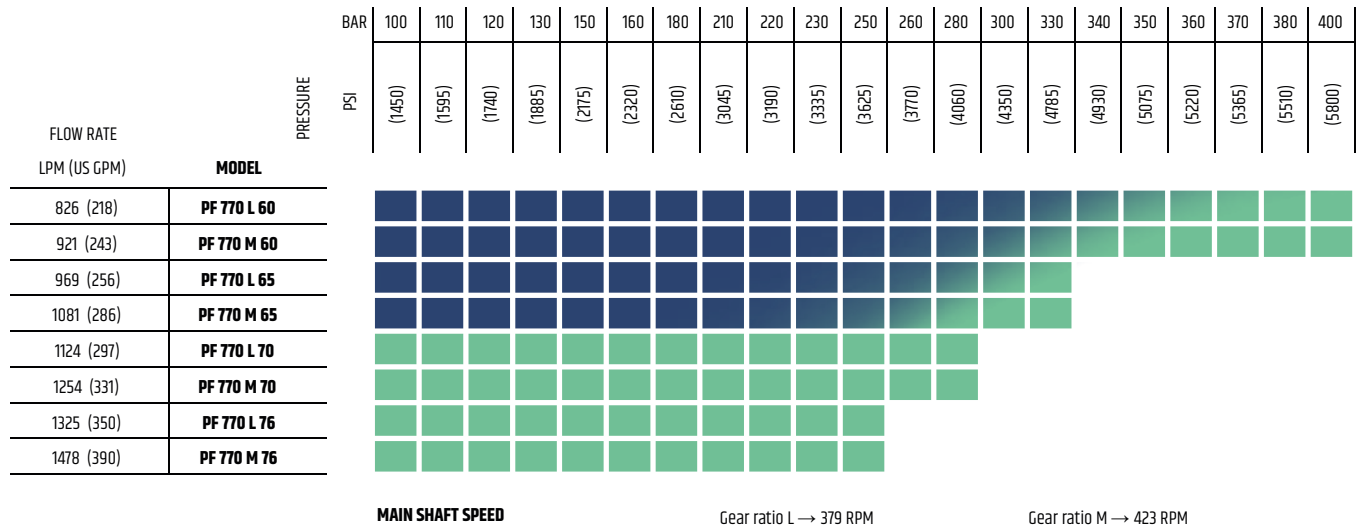
Dimensions

Dimensions are referred to hydraulic head S50
Weight: kg 4500

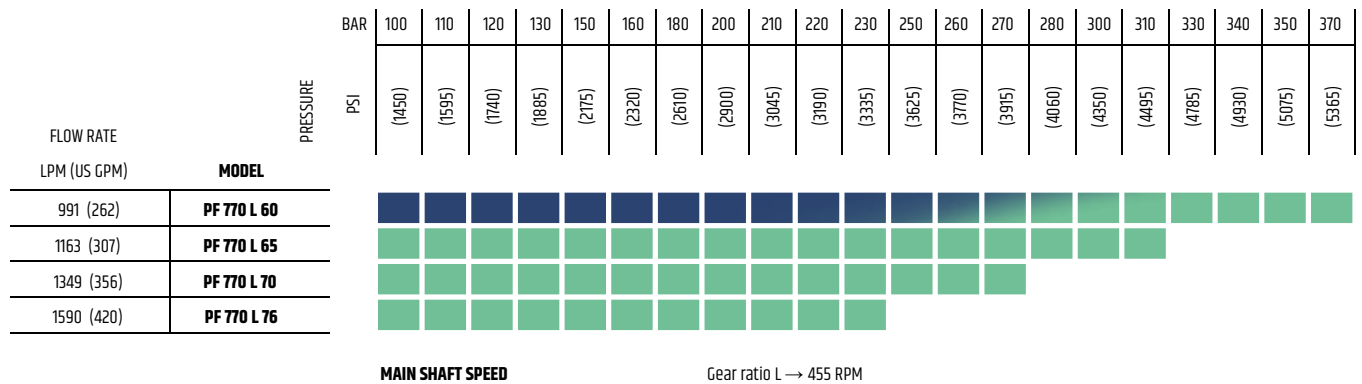


Selection Diagram

PF 770 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 700 kW



PF 770 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 700 kW



Also covered by smaller pump models S50/S51 Hydraulic head

1 MPa = 10 bar. The pump performances are referred to a volumetric efficiency of 100% and a mechanical efficiency of 89%, with water at 20°C. Input speed range 900-1800 r.p.m. For performances and uses other than the ones listed in this catalogue, please contact INOXIHP technical office for assistance.

Pumping Group

PF 770



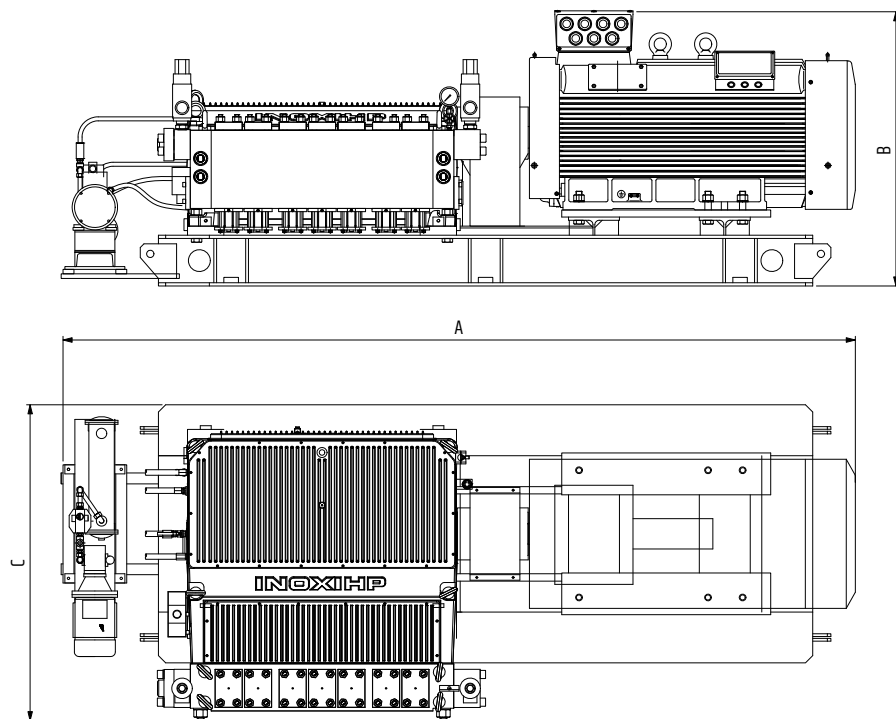
Composed of

- Pump PF 770 with forced lubrication complete with pressure, temperature and oil level switches
- Electric motor
- Safety valve
- Coupling with cover
- Delivery pressure gauge
- Frame
- Suction pressure switch
- Flanges

Options

- Manifold groups for suction/delivery
- Junction box
- Suction filters simplex or duplex with/without clogging detection sensor
- Valve lifter controlled by means of pneumatic solenoid
- HP check valve
- Low and high pressure switches
- Simplex or duplex suction filter

Dimensions



POWER (kW)	DIMENSIONS (mm)			WEIGHT (kg)
	A	B	C	
355	3665	1515	1740	10095
400	4180	1515	1740	10200
450	4180	1515	1740	10300
500	4180	1515	1740	10410
560	4180	1515	1740	10510
630	4180	1515	1740	10580
710	4370	1515	1740	10700



These pump and pumping group model are EAC certified



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