

**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

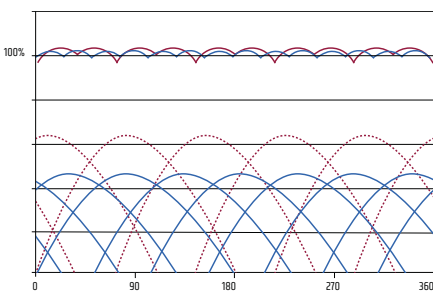
## Accessories

- 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

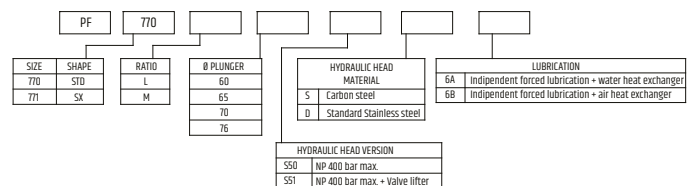
Variation over average: 0,91%  
 Variation below average: 2,5%  
 Total variation: 3,41%

### Quintuplex

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

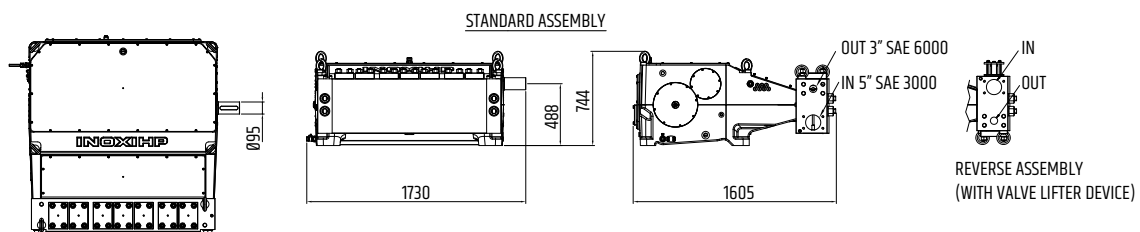
## Identification code

see tables on the next page >>>



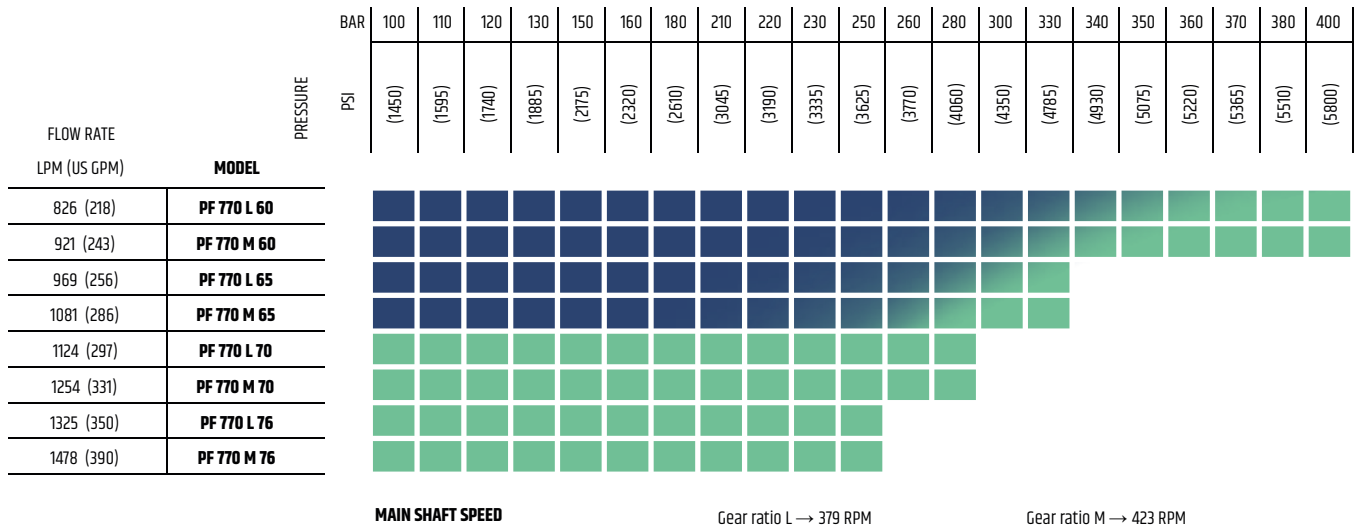
## Dimensions

Dimensions are referred to hydraulic head S50  
 Weight: kg 4500

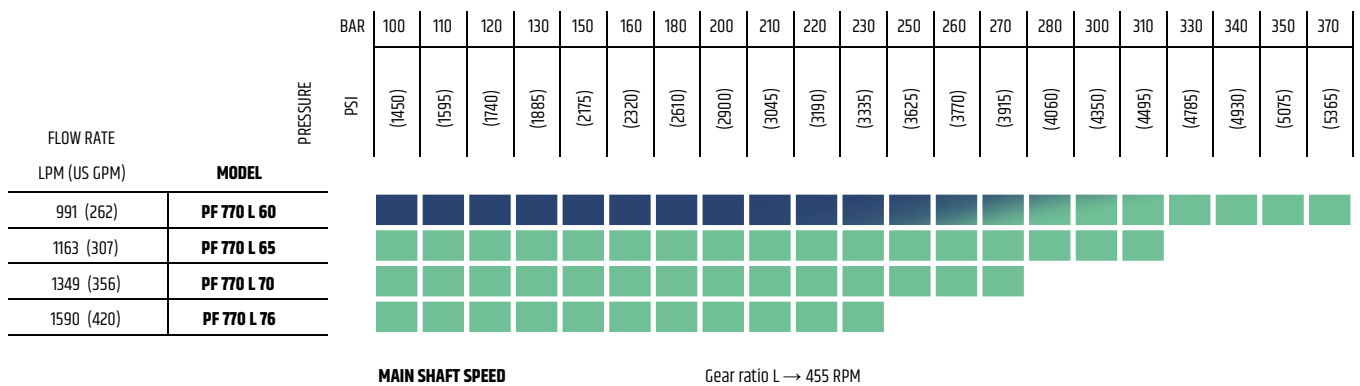


## Selection Diagram

### 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



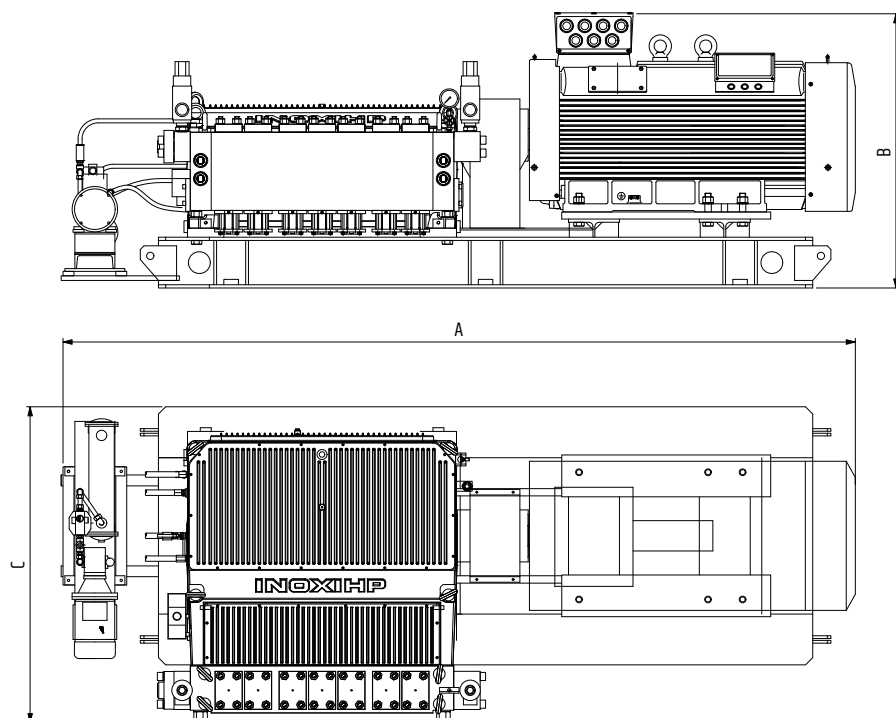
### Composed of

- 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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