

INOXIHP
ABOUT USING WATER



PF 480

Reciprocating Horizontal
Quintuplex Plunger Pumps



PF 480



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
- Available with carbon steel or stainless steel hydraulic head
- Low vibrations
- Constant hydraulic flow with minimal pulsation: no pulsation dampener required

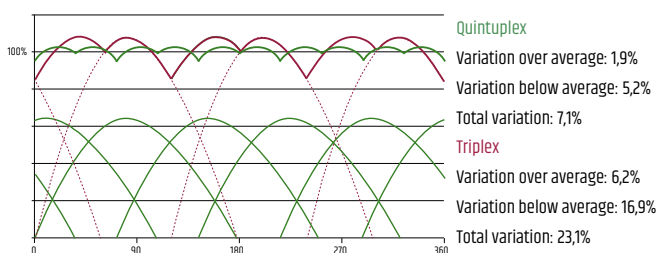
Accessories

- 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
- Disk saw cooling
- Hydrostatic bearing lubrication
- Press drive
- Hydraulic testing
- Coal mining
- Industrial cleaning
- Spunlace
- Deburring

Pulsation diagram



Identification code

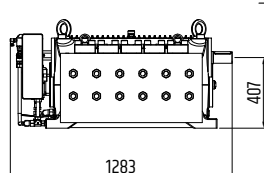
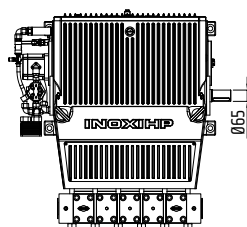
see tables on the next page >>>

PF	480					
SIZE	SHAPE	RATIO	Ø PLUNGER	HYDRAULIC HEAD MATERIAL	LUBRICATION	
480	STD	L	50	S Carbon steel	4A	Forced + water heat exchanger
481	SX	M	55	D Standard Stainless steel	4B	Forced + air heat exchanger
		V	60	X HR Stainless steel	6A	Independent Forced lubrication + water heat exchanger
			65		6B	Independent Forced lubrication + air heat exchanger
			70			
HYDRAULIC HEAD VERSION						
Q48 NP 420 bar max.						
Q49 NP 420 bar max. + Valve lifter						

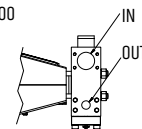
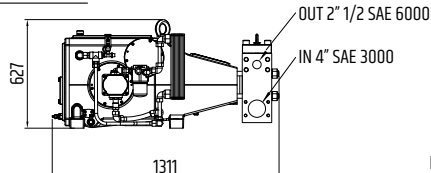
Dimensions

Dimensions are referred to hydraulic head Q48

Weight: kg 1670



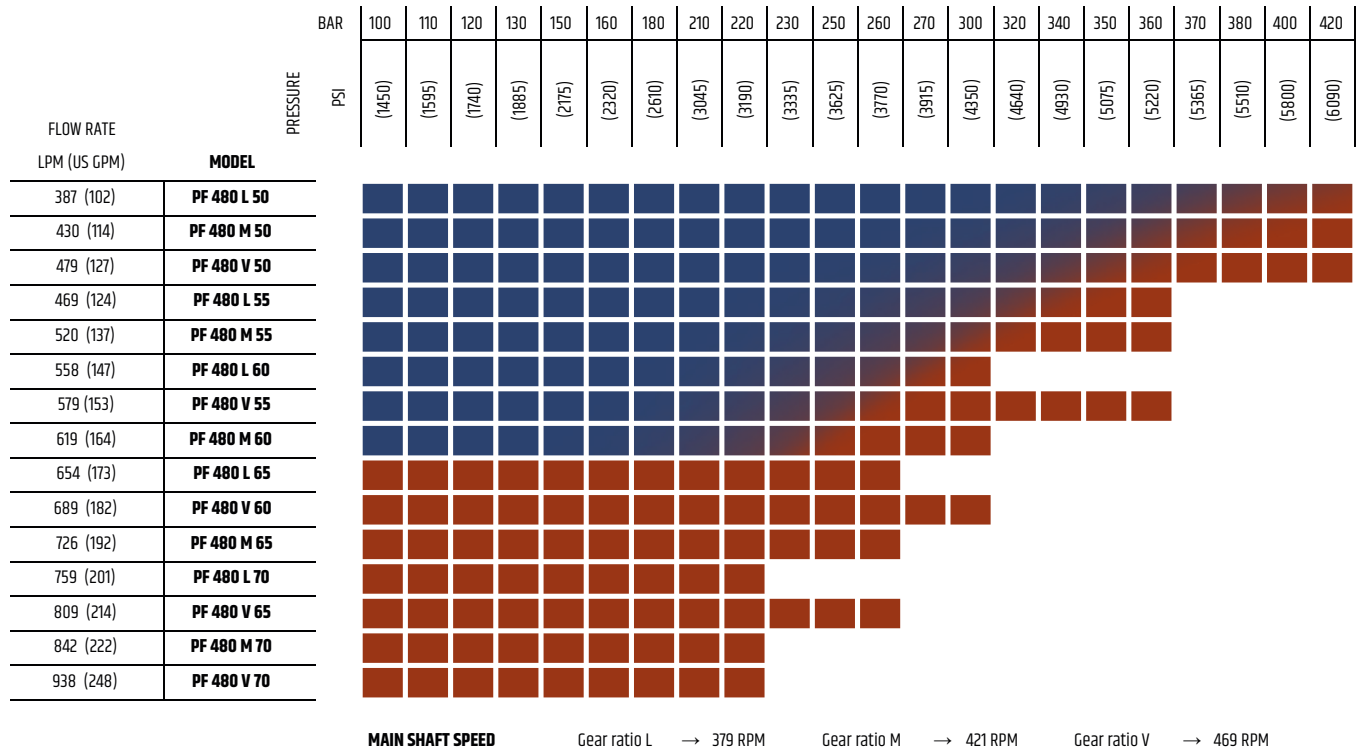
STANDARD ASSEMBLY



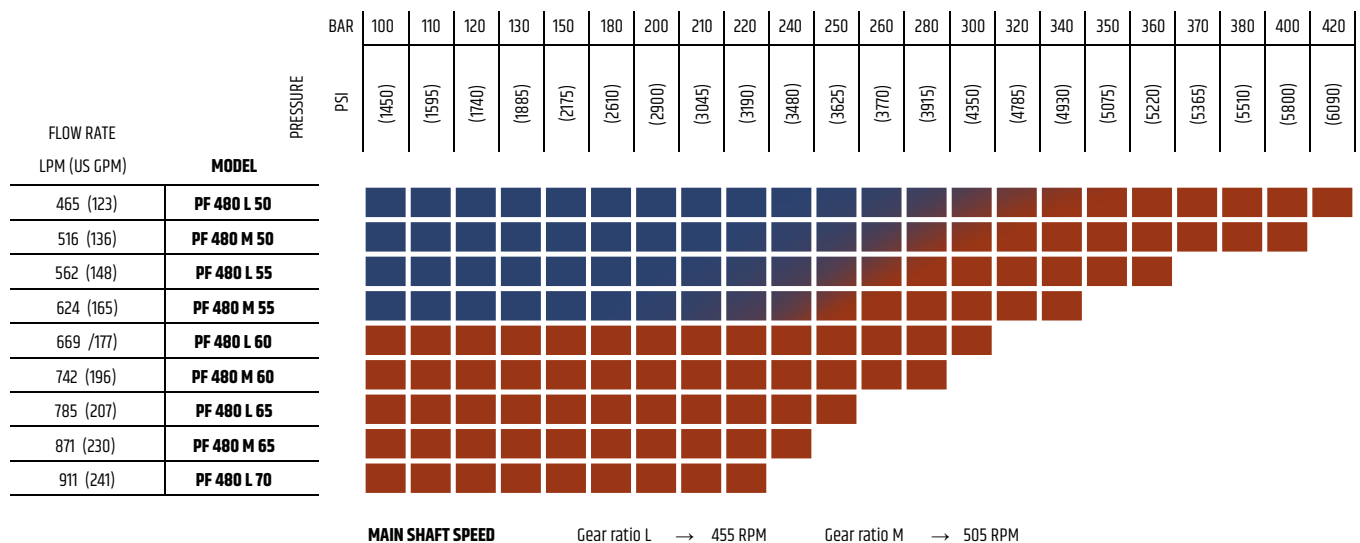
REVERSE ASSEMBLY
(WITH VALVE LIFTER DEVICE)

Selection Diagram

PF 480 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 400 kW



PF 480 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 400 kW



Also covered by smaller pump models Q48/Q49 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 480



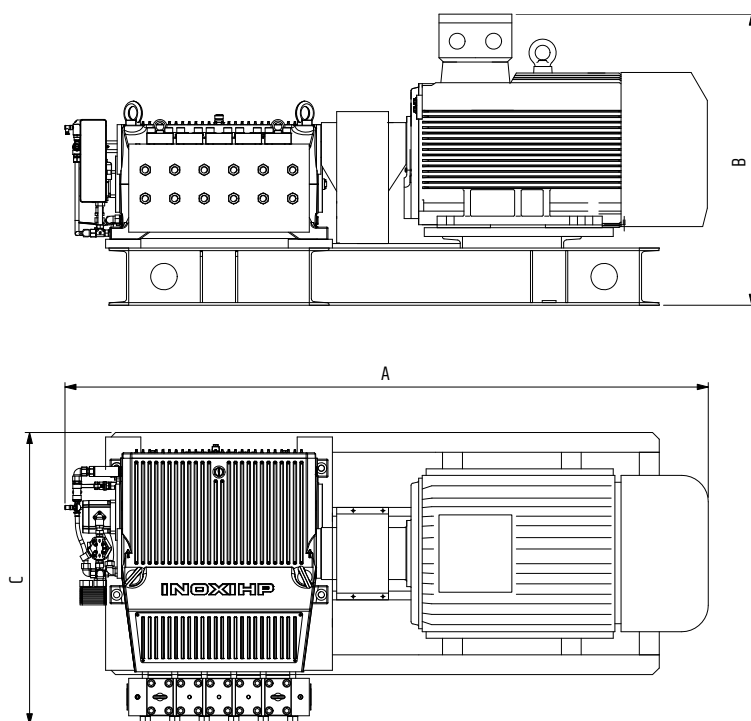
Composed of

- Pump PF 480 with forced lubrication complete with pressure and temperature 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	
280	3020	1310	1330	4455
315	3020	1310	1330	4550
355	3020	1310	1330	4600
400	3545	1310	1330	5605
450	3545	1310	1330	5655



These pump and pumping group model are EAC certified



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