



PF 300 Series

**ABOUT
USING
WATER**



Reciprocating Horizontal Quintuplex Plunger Pumps



INOXIHP
COMPONENTS AND SYSTEMS FOR HIGH PRESSURE WATER

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =



PF 300 Series

General characteristics

- compact dimensions
- low noise
- splash or assisted lubrication system
- easy maintenance
- low maintenance costs
- internal reduction gear with helican gears
- self adjusting seal packing
- available with carbon steel or stainless steel hydraulic head

Options

- valve lifter with pneumatic solenoid control
- unloading valve
- over-pressure valve
- HP check valve
- suction switch and/or delivery gauge

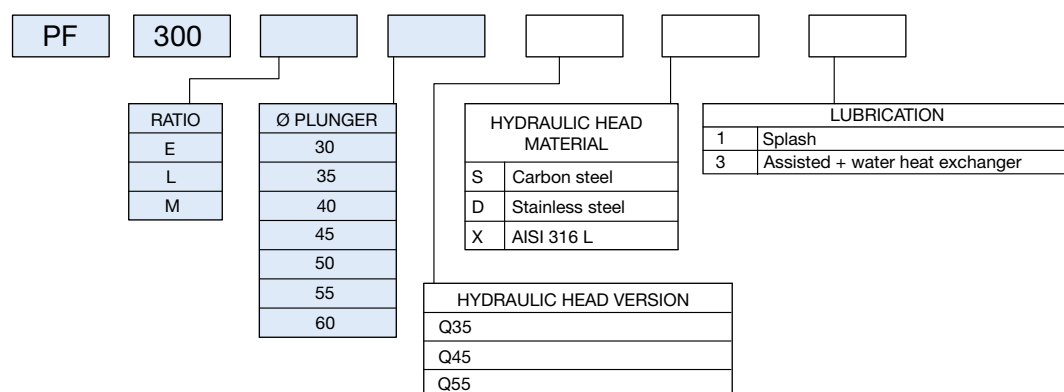


Plunger Pumps

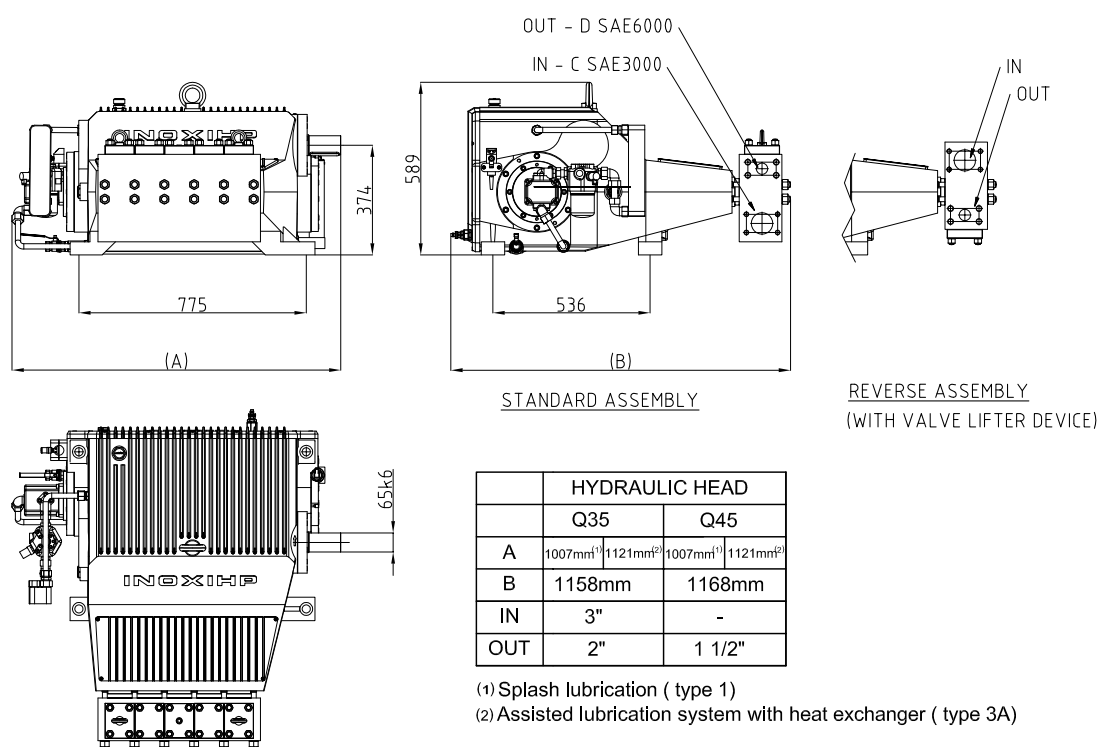
PF 300 series horizontal quintuplex plunger pumps, are designed for pumping high pressure water, water emulsion and other fluids.*
Thanks to their high reliability, PF 300 have applications in industrial areas demanding continuous running such as:

- steel industry (hot rolling mill...)
- metallurgical industry (forging, moulding and extrusion presses...)
- manufacturing industry (rubber, wood, thermosetting...)
- metal working and piping industry (hydraulic tests...)

Identification code (see tables on the next page)

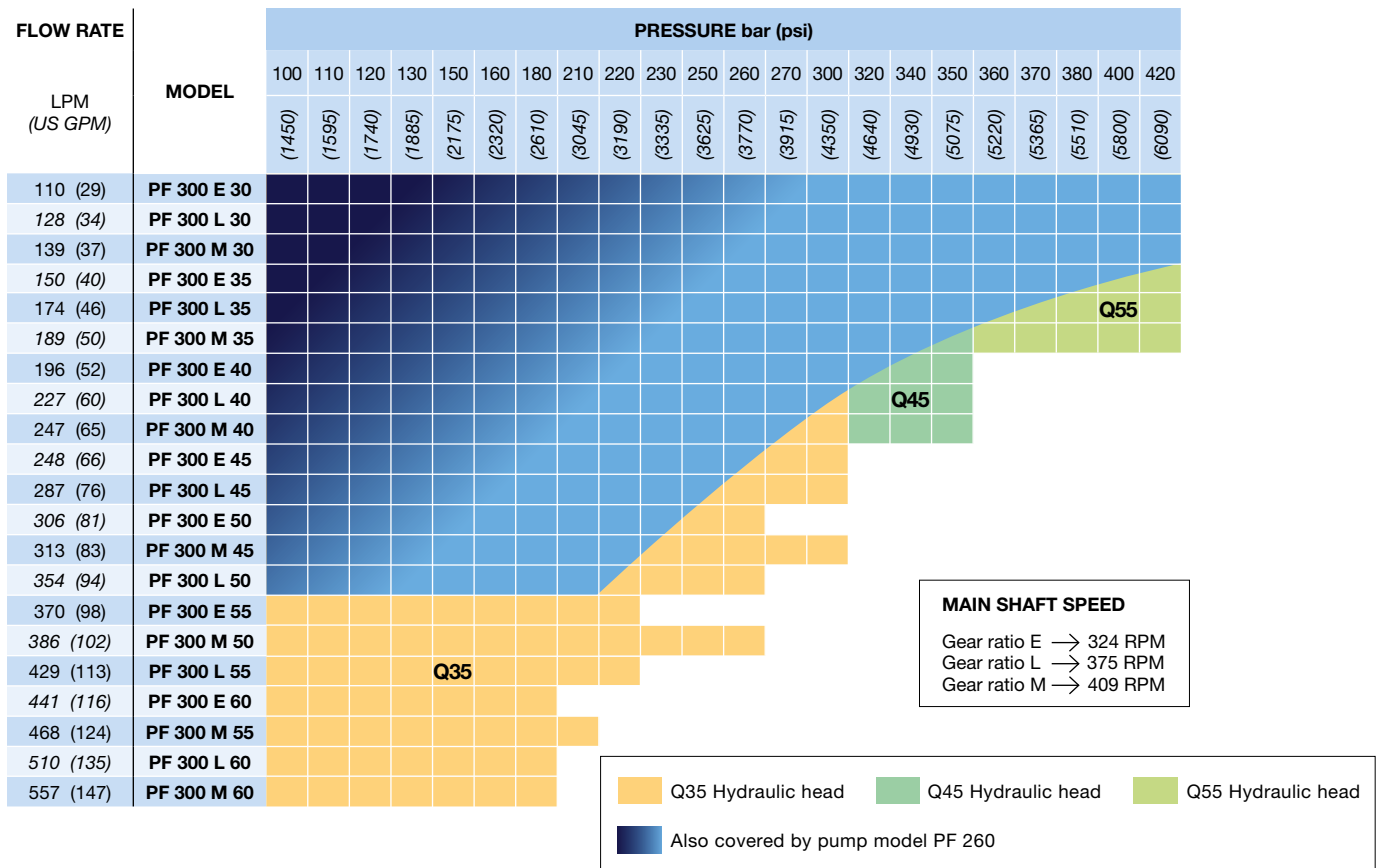


Dimensions



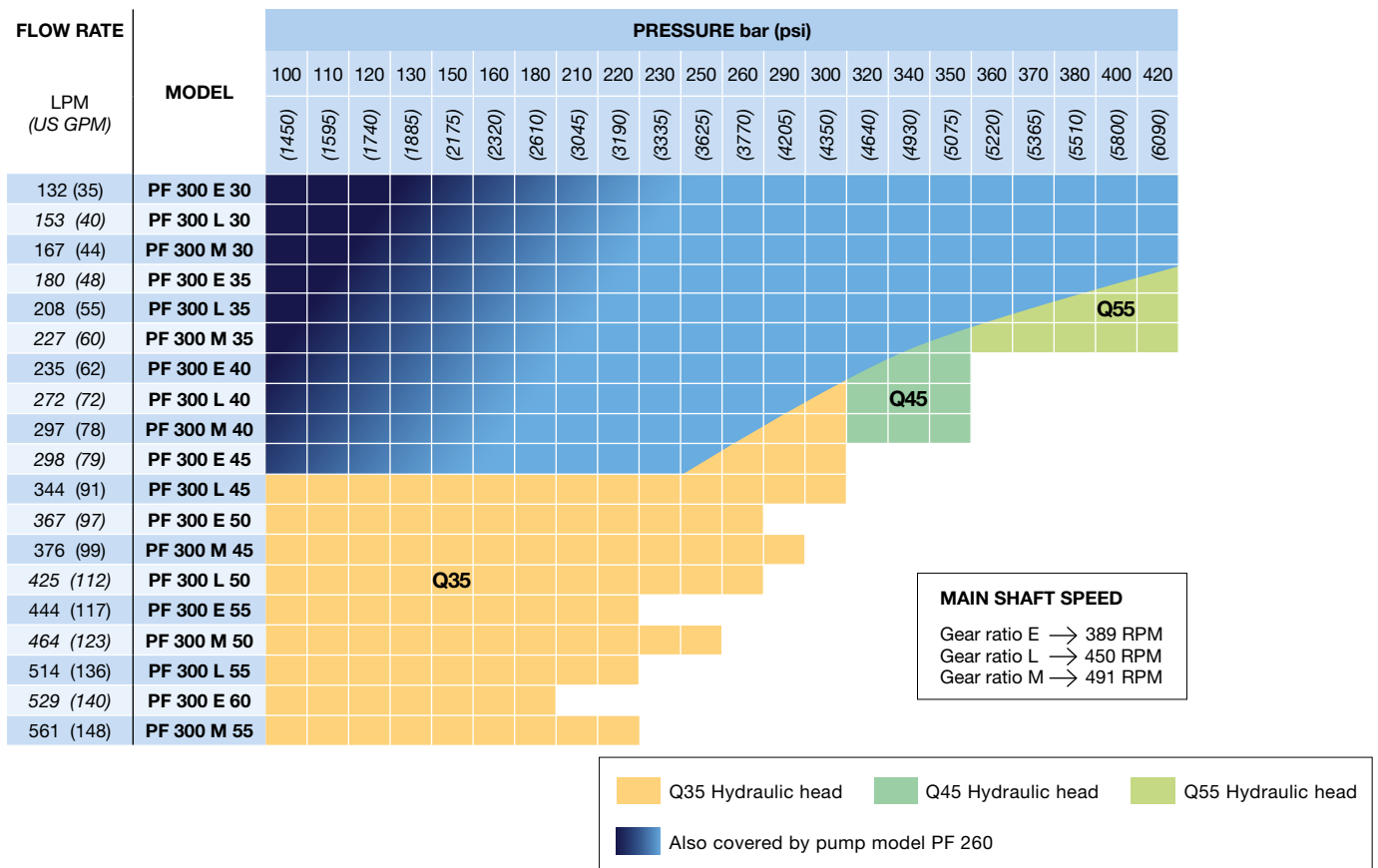
* please ask for compatibility

PF 300 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 190 kW



161300 E

PF 300 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 220 kW



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.



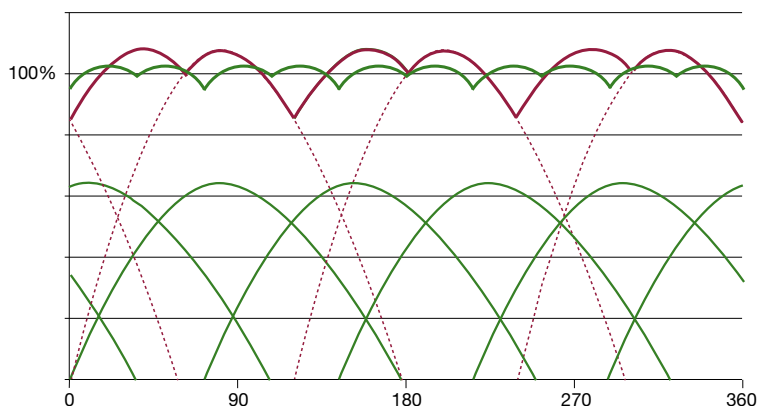


PF 300 Series

Quintuplex pumps advantages vs Triplex pumps

- low vibrations
- constant hydraulic flow with minimal pulsation: no pulsation dampener required

Pulsation table



Quintuplex

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

Triplex

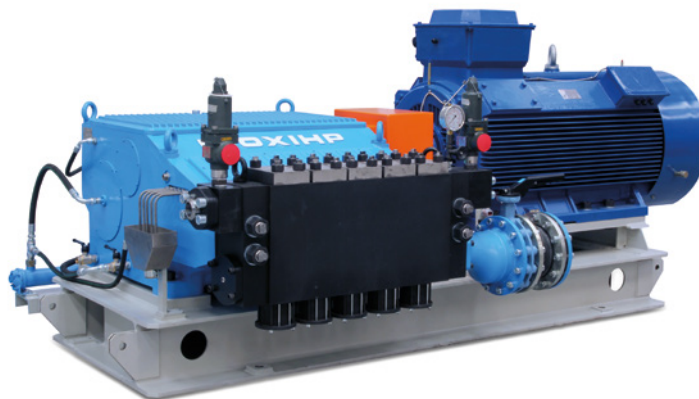
Variation over average: 6,2%
Variation below average: 16,9%
Total variation: 23,10%

Pumping Group

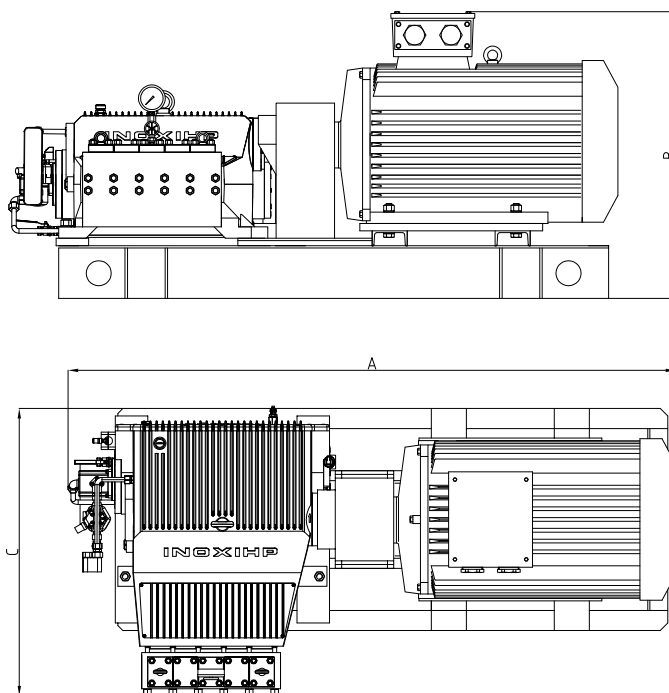
The pumping group PF 300 is composed of the following items:

- pump PF 300, with splash or assisted lubrication, complete with level and temperature switches
- electric motor
- safety valve
- coupling with cover
- pressure gauge
- frame
- suction pressure switch
- flanges

The group can be equipped with several optional components such as: suction/delivery manifold group, simplex or duplex suction filters, junction box.



Dimensions



POWER (kW)	DIMENSIONS (mm)			WEIGHT (Kg)
	A	B	C	
90	2160	940	1170	1875
110	2245	1075	1170	2235
132	2355	1075	1170	2335
160	2355	1075	1170	2395
200	2355	1075	1170	2415
250	2590	1220	1170	2955