



PF 330 Series



**ABOUT
USING
WATER**

Reciprocating Horizontal Quintuplex Plunger Pumps



INOXIHP

COMPONENTS AND SYSTEMS FOR HIGH PRESSURE WATER

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =



PF 330 Series

Options

- Valve lifter with pneumatic solenoid control
- Unloading valve
- Over-pressure valve
- HP Check valve
- Suction and/or delivery gauge
- Low and high pressure switches
- Simplex or duplex suction filter

Quintuplex Pumps Advantages Vs Triplex Pumps

- Low vibrations
- Constant hydraulic flow with minimal pulsation: no pulsation dampener required



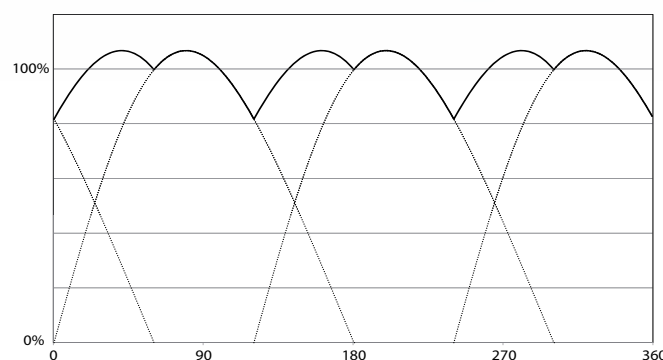
Plunger Pumps

PF 330 series horizontal quintuplex plunger pumps, are designed for pumping high pressure water, water emulsion and other fluids.* Thanks to their high reliability, PF 330 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...)

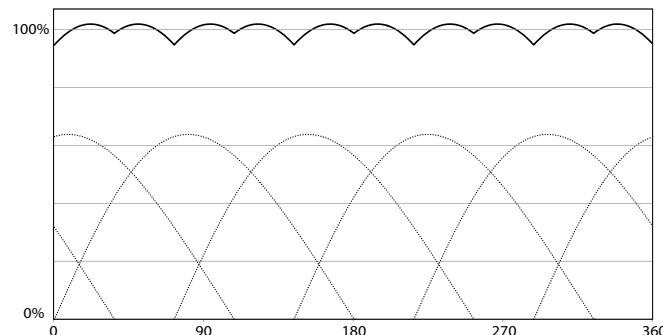
General characteristics

- Compact dimensions
- Low noise
- Internal reduction gear
- Easy maintenance
- Low maintenance costs
- Forced lubrication system
- Self adjusting seal packing
- Available with carbon steel or stainless steel hydraulic head



Triplex

Variation over average: 6,2%
Variation below average: 16,90%
Total variation: 23,10%



Quintuplex

Variation over average: 1,90%
Variation below average: 5,20%
Total variation: 7,10%

The quintuplex pump creates a steady hydraulic flow with minimal pulsations and vibration: essential characteristics in mission critical applications where severe and continuous service is required.

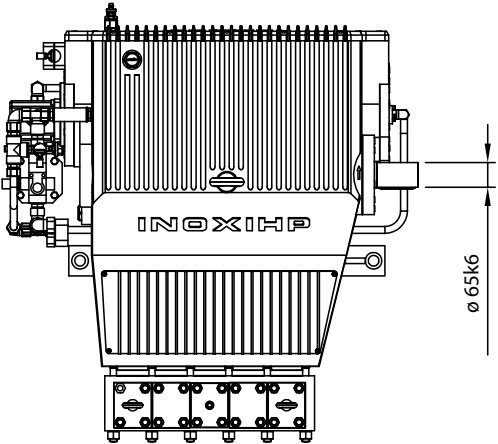
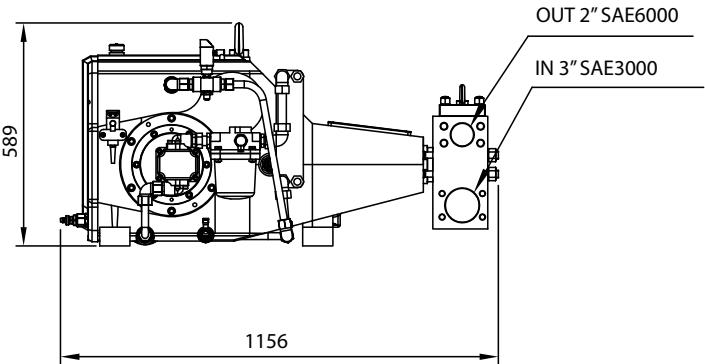
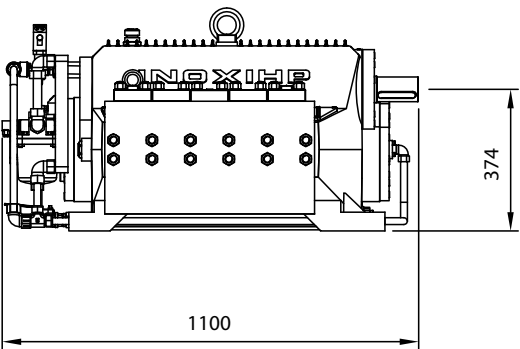
* please ask for compatibility

	PF 330		FLOW RATE LPM / US GPM - 50 Hz ELECTRIC MOTOR - MAX ABSORBED POWER 240 kW											
Ø Plunger	4 POLES MOTOR - INPUT SPEED 1500 min-1													
	RATIO E Pump RPM: 328				RATIO L Pump RPM: 380				RATIO M Pump RPM: 414					
	LPM	MPa	US GPM	psi	LPM	MPa	US GPM	psi	LPM	MPa	US GPM	psi		
30	114	42	30	6090	132	42	35	6090	144	42	38	6090		
35	155	42	41	6090	179	42	47	6090	195	42	52	6090		
40	202	42	53	6090	234	42	62	6090	255	42	67	6090		
45	256	35	68	5075	296	35	78	5075	323	35	85	5075		
50	316	30	83	4350	365	30	96	4350	399	30	105	4350		
55	382	26	101	3770	442	26	117	3770	483	26	128	3770		
60	455	22	120	3190	526	22	139	3190	574	22	152	3190		

	PF 330		FLOW RATE LPM / US GPM - 60 Hz ELECTRIC MOTOR - MAX ABSORBED POWER 260 kW											
Ø Plunger	4 POLES MOTOR - INPUT SPEED 1800 min-1													
	RATIO E Pump RPM: 394				RATIO L Pump RPM: 456				RATIO M Pump RPM: 497					
	LPM	MPa	US GPM	psi	LPM	MPa	US GPM	psi	LPM	MPa	US GPM	psi		
	30	136	42	36	6090	158	42	42	6090	172	42	45	6090	
35	186	42	49	6090	215	42	57	6090	234	42	62	6090		
40	243	42	64	6090	281	42	74	6090	306	42	81	6090		
45	307	35	81	5075	355	35	94	5075	388	35	102	5075		
50	379	30	100	4350	438	30	116	4350	479	28,5	127	4133		
55	459	26	121	3770	531	26	140	3770	571	24	151	3480		
60	546	22	144	3190	631	22	167	3190	-	-	-	-		

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.

Dimensions



· DIMENSION IN mm
· PUMP WEIGHT 1000 kg





PF 330 Series

131330 E

Please, fill in your data

Company name: _____

☐ End user ☐ Engineering ☐ Other _____

Address: _____

Ph.: _____ Fax: _____

E-mail: _____

Your signature (in block): _____

To select the correct pump, please provide the following data:

Applications: ☐ Descaling system ☐ Press

☐ Other _____

Fluid _____ Flow rate _____ Pressure _____

Bare shaft _____ Pumping unit _____

Electric motor characteristics: Power _____ RPM _____

Water supply: Pressure _____ bar Temperature _____ °C

Working conditions: Hours per year _____ Percentage load _____

Hydraulic head: ☐ Carbon steel ☐ Stainless steel ☐ Other _____

Options: ☐ Valve lifter ☐ Unloading valve ☐ Over-pressure valve

☐ HP Check valve ☐ Suction gauge ☐ Delivery gauge

☐ Low pressure switch ☐ High pressure switch

☐ Suction filter _____

Remarks _____

Your local contact:



INOXIHP

COMPONENTS AND SYSTEMS FOR HIGH PRESSURE WATER

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