



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

131330 E

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

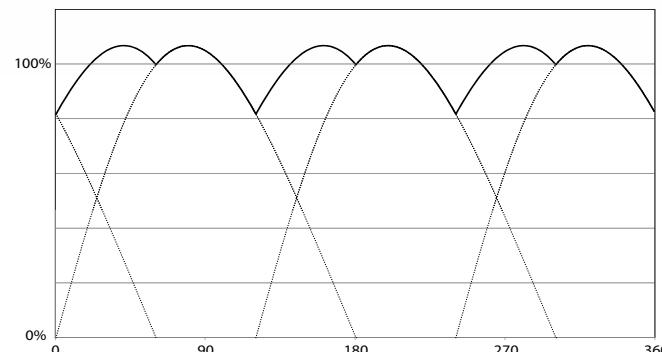
PF 330 series horizontal quintuplex plunger pumps, are designed for pumping high pressure water, water emulsion and other fluids.*

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...)

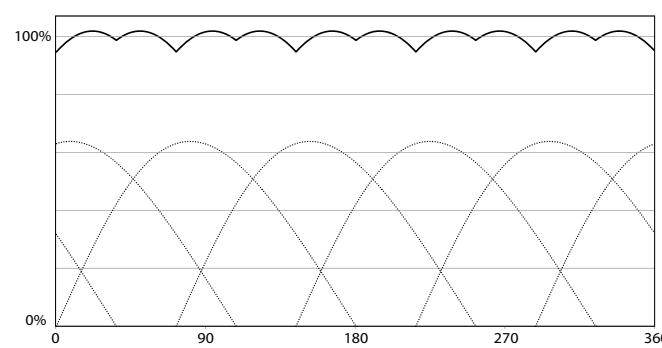
General characteristics

- 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

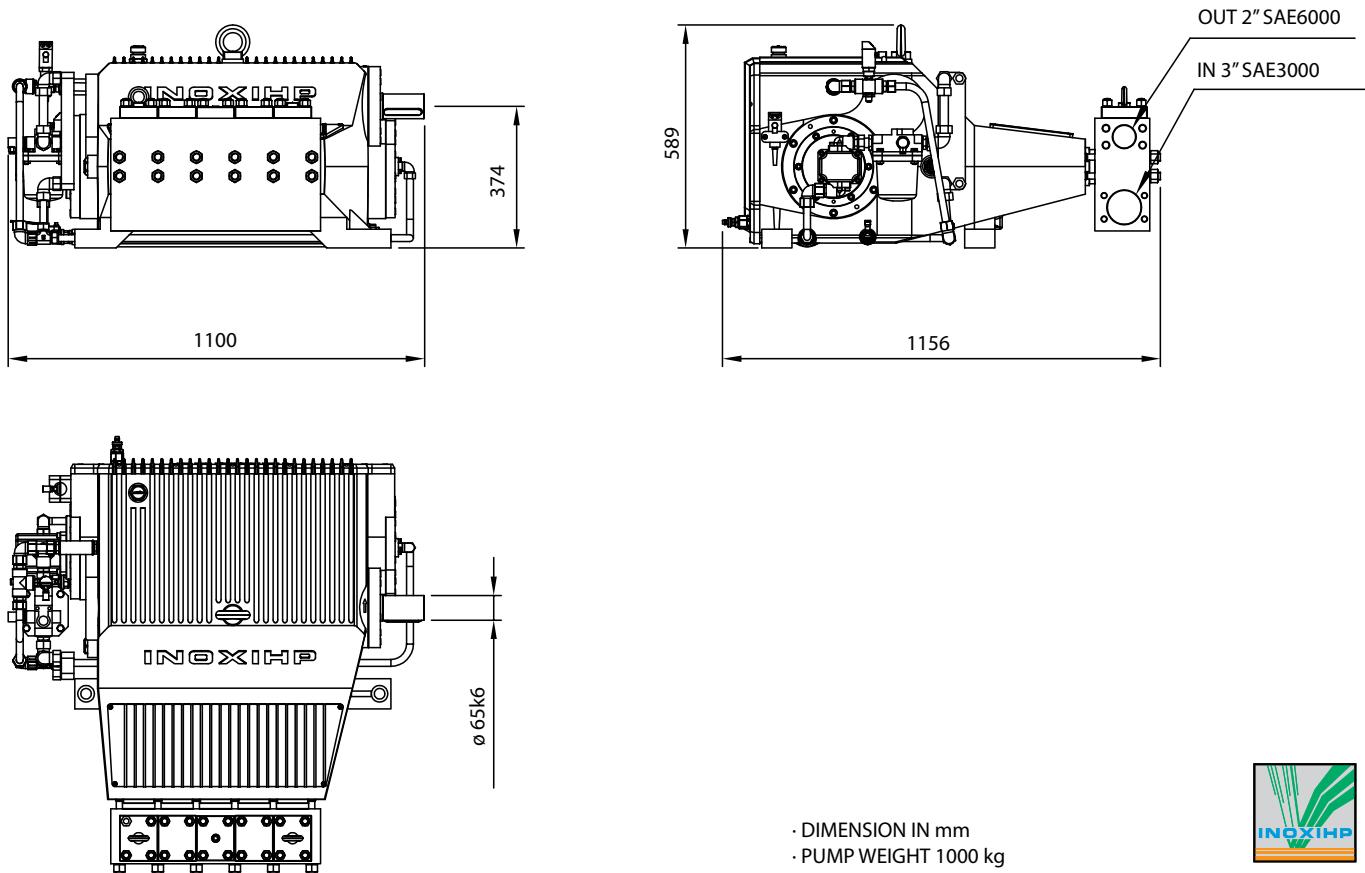
| PF 330 | | FLOW RATE LPM / US GPM - 50 Hz ELECTRIC MOTOR - MAX ABSORBED POWER 240 kW | | | | | | | | | | |
|-----------|--|---|--------|------|-----------------------|-----|--------|------|-----------------------|-----|--------|------|
| Ø Plunger | 4 POLES MOTOR - INPUT SPEED 1500 min-1 | | | | | | | | | | | |
| | 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 |

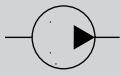
| PF 330 | | FLOW RATE LPM / US GPM - 60 Hz ELECTRIC MOTOR - MAX ABSORBED POWER 260 kW | | | | | | | | | | |
|-----------|--|---|--------|------|-----------------------|-----|--------|------|-----------------------|------|--------|------|
| Ø Plunger | 4 POLES MOTOR - INPUT SPEED 1800 min-1 | | | | | | | | | | | |
| | 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





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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