

INOXIHP
ABOUT USING WATER



PM 150

Reciprocating Horizontal
Triplex Plunger Pumps



PM 150



General features

- Compact dimension
- Splash lubrication and oil level switch
- Easy maintenance
- Low maintenance costs
- Internal reduction gear
- Self-adjusting seal packing
- Available with carbon steel or stainless steel hydraulic head
- 100% aluminium free

Accessories

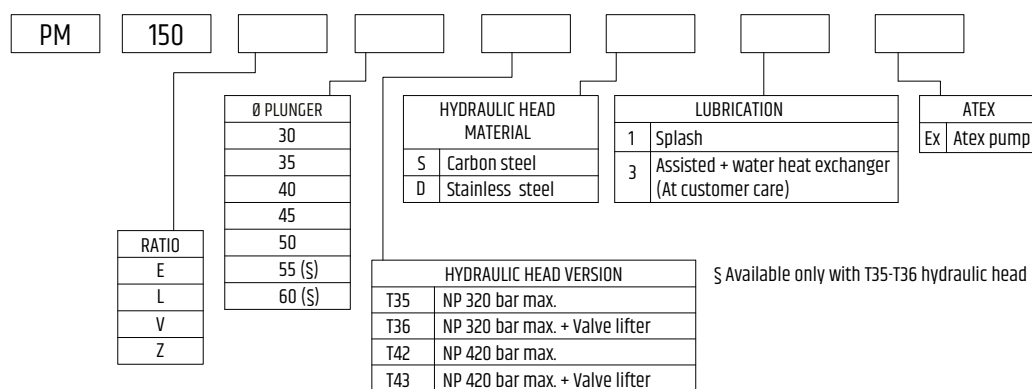
- Valve lifter controlled by means of pneumatic solenoid
- Unloading valve
- Over-pressure valve
- HP check valve, suction and/or delivery gauge
- Low and high pressure switches
- Lubrication system with oil filtration circuit + heat exchanger
- Manifold groups for suction/delivery
- ATEX Group I Category M2 Certification

Applications

- Emulsion Hydraulic power to drive Longwall systems
- Dust suppression systems on Roof Supports & Coal Shearers

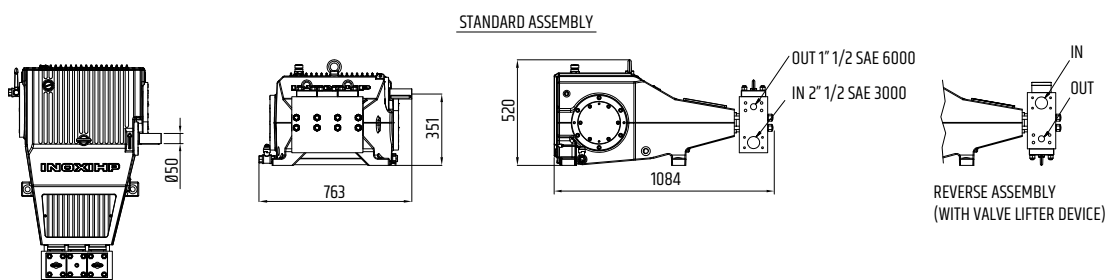
Identification code

see tables on the next page > > >



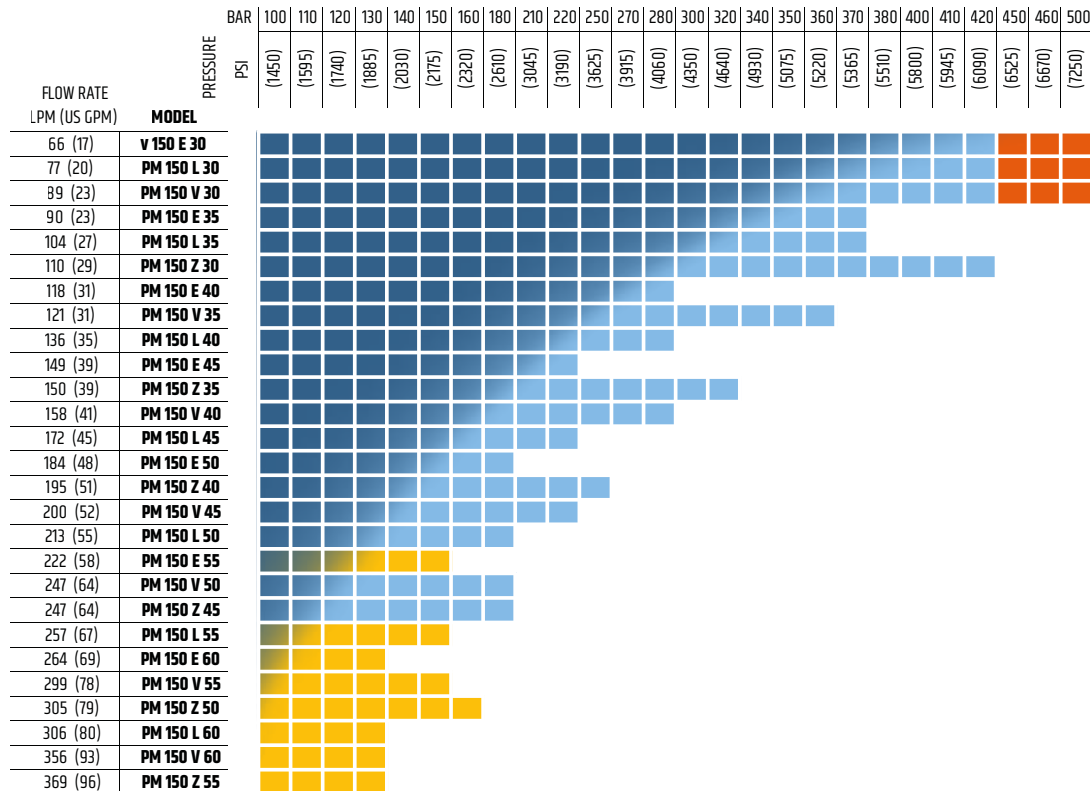
Dimensions

Dimensions are referred to hydraulic head T35
Weight: kg 670



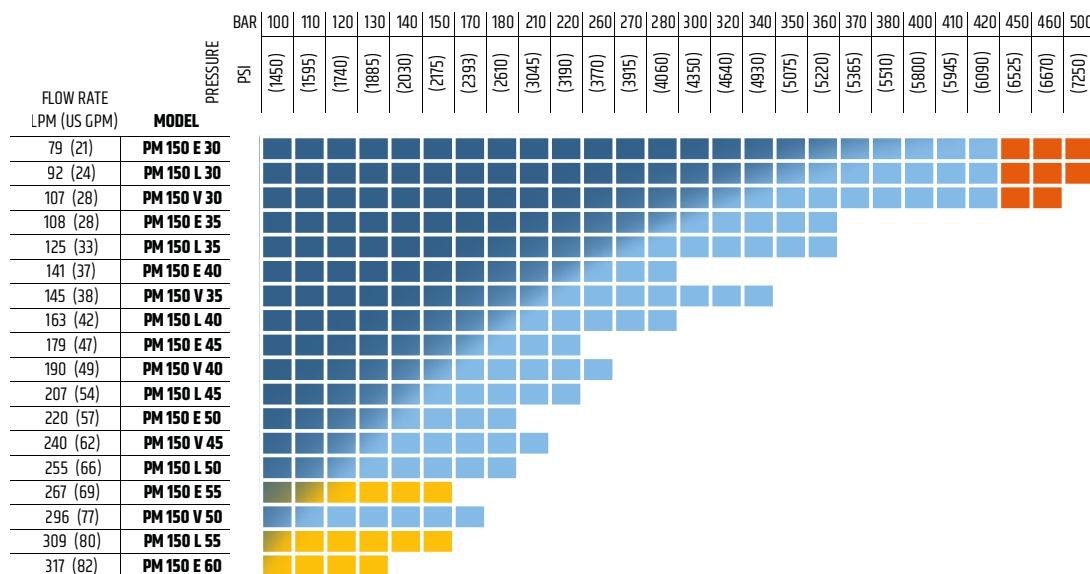
Selection Diagram

PM 150 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 90 kW



MAIN SHAFT SPEED Gear ratio E → 328 RPM Gear ratio L → 380 RPM Gear ratio V → 441 RPM Gear ratio Z → 545 RPM

PM 150 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 90 kW



MAIN SHAFT SPEED Gear ratio E → 394 RPM Gear ratio L → 456 RPM Gear ratio V → 529 RPM

Also covered by smaller pump models T35/T36 Hydraulic head T42/T43 Hydraulic head T55/T56 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.

Mining Skid

Inoxihp supplies complete skids for underground coal mining (Longwall) for applications such as tunnel roof support, rotating blade cooling (shearer) and dust suppression.

Highly reliable products, also available in ATEX version.



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