

**INOXIHP**  
ABOUT USING WATER



# PM 190

Reciprocating Horizontal  
Triplex Plunger Pumps



# PM 190



## General features

- Compact dimension
- Lubrication system with oil filtration circuit
- 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

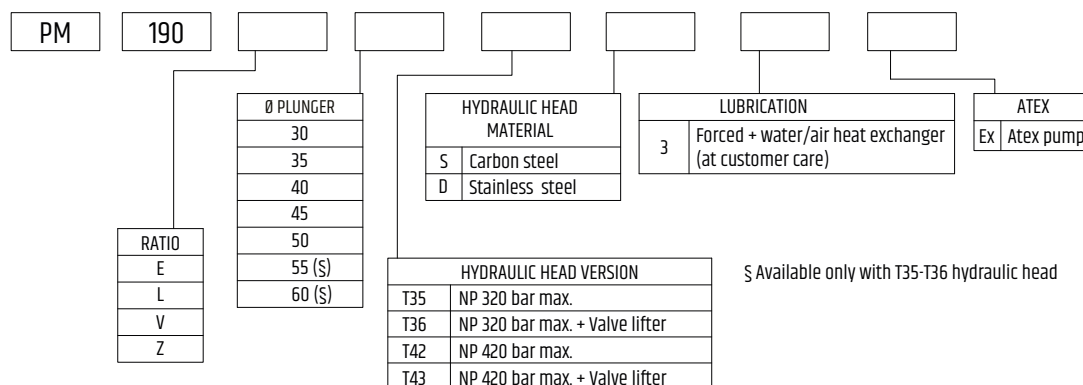
- Valve lifter controlled by means of pneumatic solenoid
- Unloading valve
- Over-pressure valve
- HP check valve
- Suction and/or delivery gauge
- Low and high pressure switches
- Manifold groups for suction/delivery
- ATEX Group I Category M2 Certification

## Applications

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

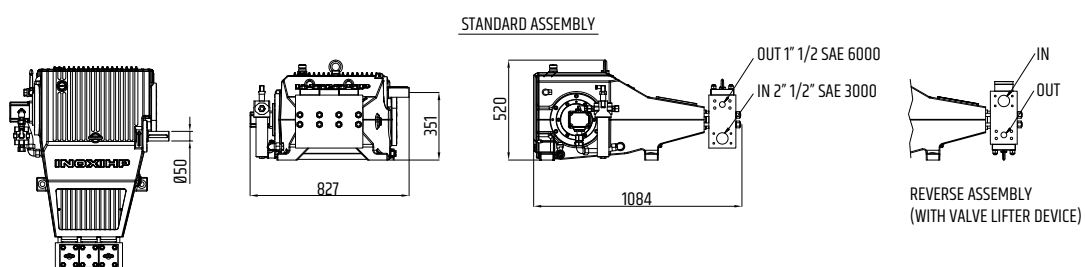
## Identification code

see tables on the next page >>>



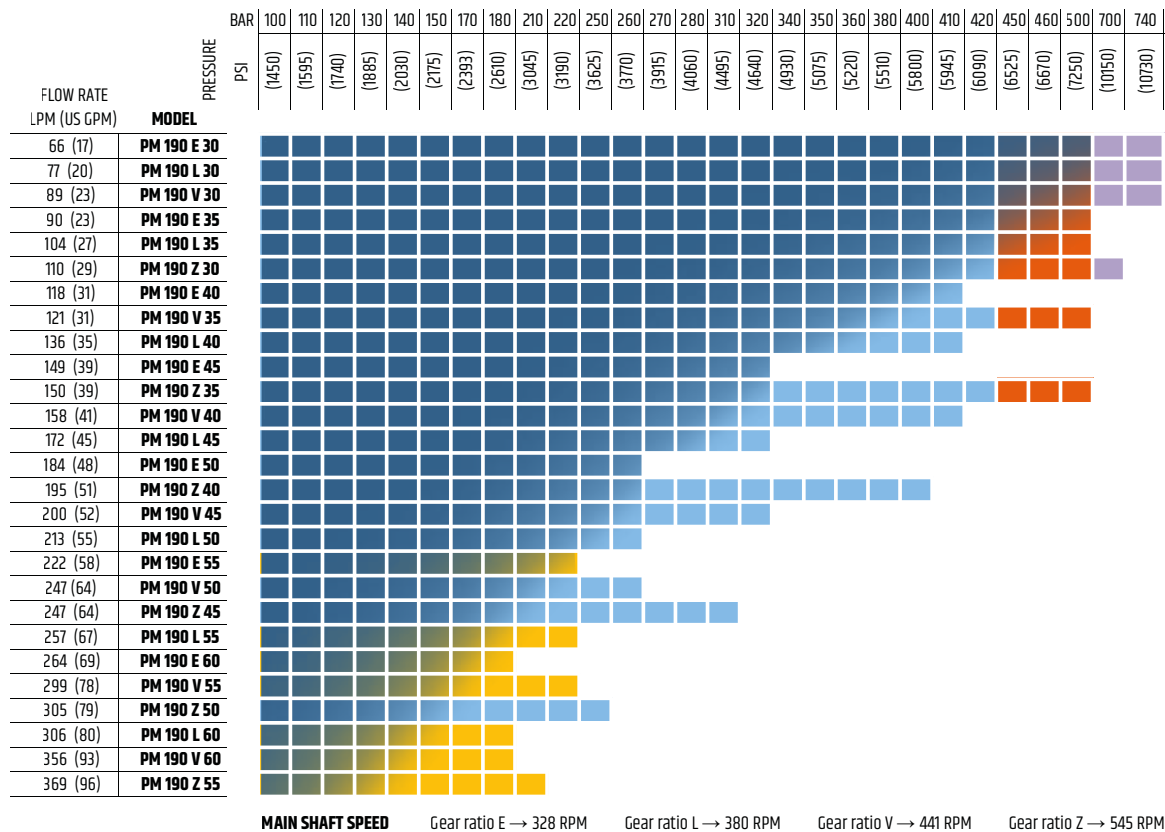
## Dimensions

Dimensions are referred to hydraulic head T35  
Weight: kg 697

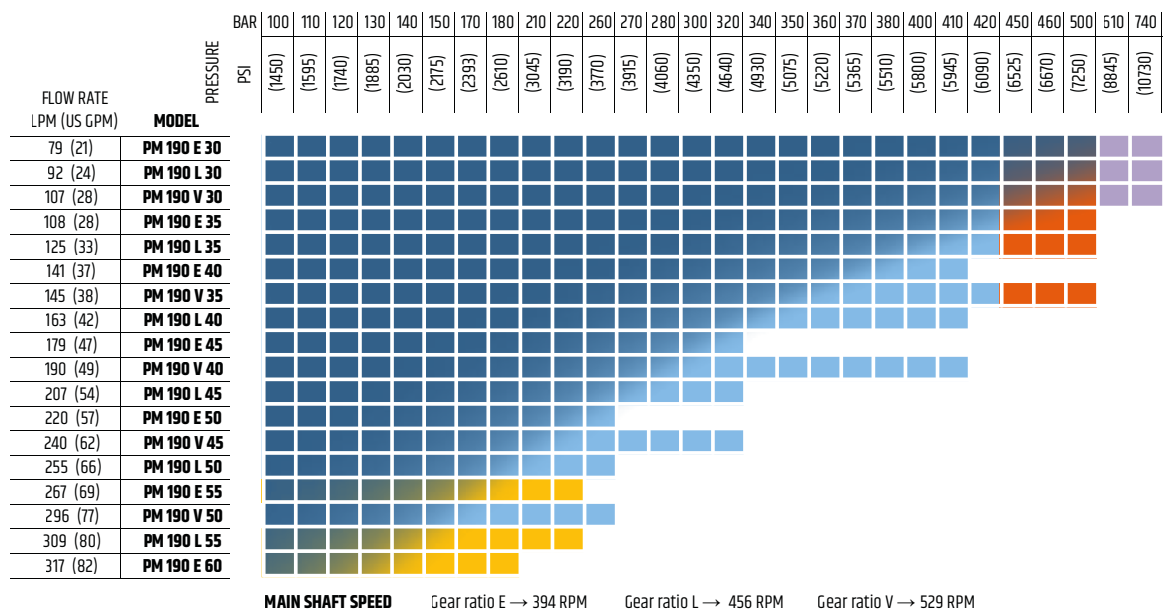


## Selection Diagram

### PM 190 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 145 kW



### PM 190 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 145 kW



■ Also covered by smaller pump models   
■ T35/T36 Hydraulic head   
■ T42/T43 Hydraulic head   
■ T55/T56 Hydraulic head   
■ T10/T11 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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