



PM 480

Reciprocating Horizontal
Quintuplex Plunger Pumps



PM 480



General features

- Compact dimension
- Low noise
- Forced lubrication system
- Easy maintenance
- Low maintenance costs
- Internal double reduction gear with helical gears
- Input shaft can be placed on either side of the pump
- Self-adjusting seal packing
- Available with carbon steel or stainless steel hydraulic head
- Low vibrations
- Constant hydraulic flow with minimal pulsation: no pulsation dampener required
- 100% aluminium free

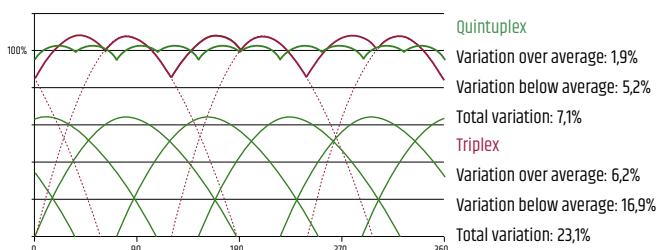
Accessories

- 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

Pulsation diagram



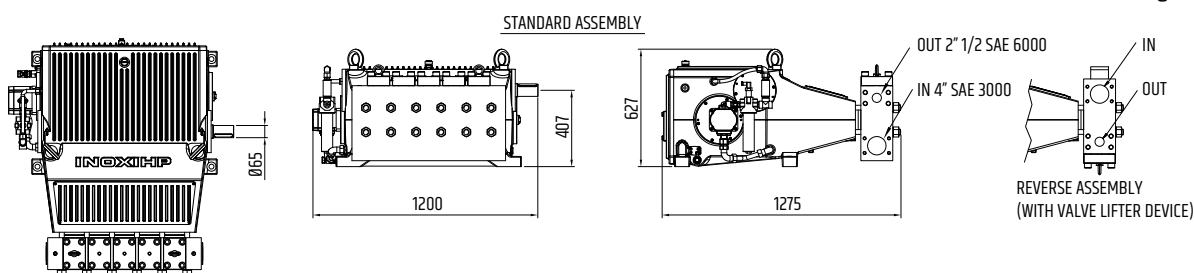
Identification code

see tables on the next page > > >

PM									
SIZE	SHAPE		Ø PLINGER		HYDRAULIC HEAD MATERIAL		LUBRICATION		ATEX
480	STD		50		S Carbon steel		4 Forced + water/air heat exchanger (at customer care)		Ex Atex pump
481	SK		55		D Stainless steel				
482	DUAL		60						
			65						
			70						
				RATIO		HYDRAULIC HEAD VERSION			
				L		Q48 NP 420 bar max.			
				M		Q49 NP 420 bar max. + Valve lifter			
				V					

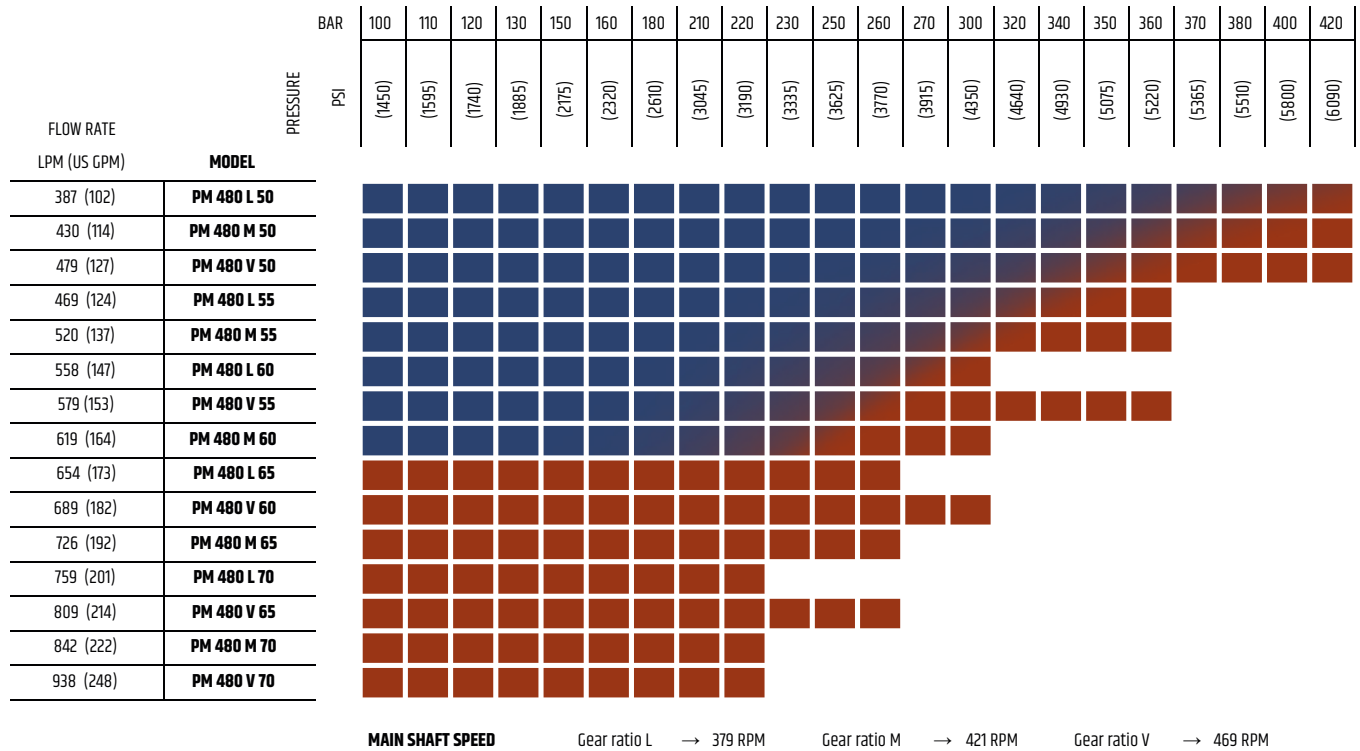
Dimensions

Dimensions are referred to hydraulic head Q48
 Weight: kg 1670

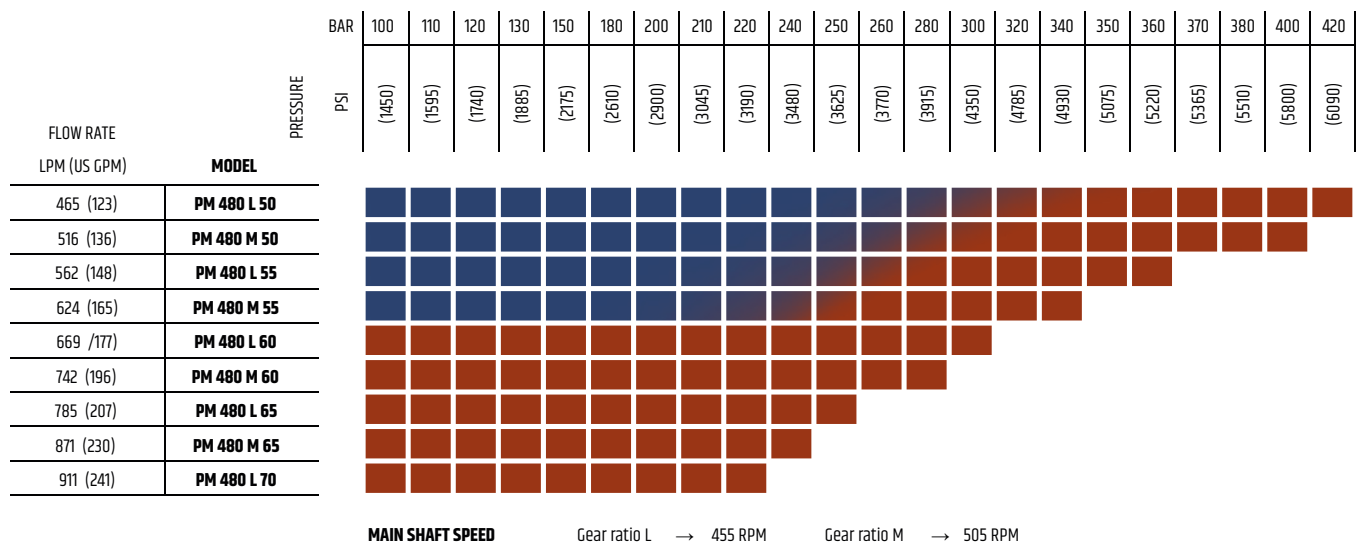


Selection Diagram

PM 480 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 400 kW



PM 480 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 400 kW



Also covered by smaller pump models Q48/Q49 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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INOXIHIP
ABOUT USING WATER