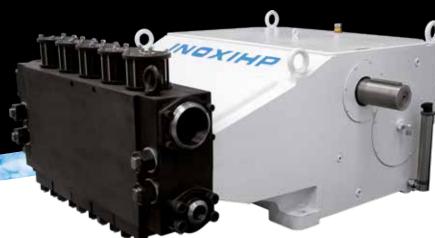




Reciprocating Horizontal Quintuplex Plunger Pumps



PM 550



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
- Pumping package cooling system
- Available with carbon steel or stainless steel hydraulic head
- Low vibrations
- Constant hydraulic flow with minimal pulsation: no pulsation dampener required
- 100% aluminium free

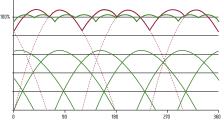
Accessories

- Valve lifter controlled by means of pneumatic solenoid
- Unlouding 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



Quintuplex

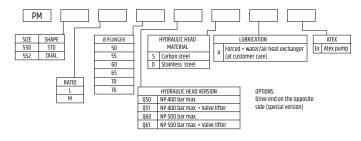
Variation over average: 1,9% Variation below average: 5,2% Total variation: 7,1%

Triplex

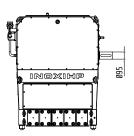
Variation over average: 6,2%
Variation below average: 16,9%
Total variation: 23,1%

Identification code

see tables on the next page > > >



Dimensions



STANDARD ASSEMBLY OUT 2" 1/2 SAE 6000 IN 5" SAE 3000

Dimensions are referred to hydraulic head Q50 Weight: kg 3045



REVERSE ASSEMBLY (WITH VALVE LIFTER DEVICE)

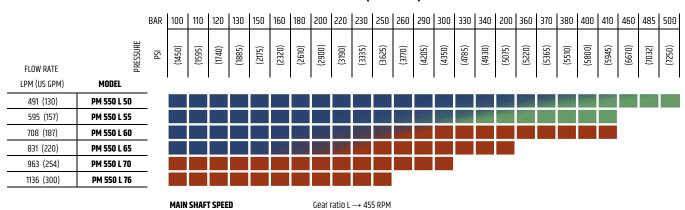


Selection Diagram

PM 550 - 50 Hz 4 POLES ELECTRIC MOTOR (1500 RPM) - MAX ABSORBED POWER 550 kW

												•			•													
		BAR	100	110	120	130	150	160	180	200	220	230	250	260	290	300	330	340	200	360	370	380	400	410	460	485	500	
FLOW RATE	PRESSURE	PSI	(1450)	(1595)	(1740)	(1885)	(2175)	(2320)	(2610)	(2900)	(3190)	(3335)	(3625)	(3770)	(4205)	(4350)	(4785)	(4930)	(502)	(2220)	(2365)	(5510)	(2800)	(5945)	(0299)	(2602)	(7250)	
LPM (US GPM)	MODEL		l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l	l			I	
410 (108)	PM 550 L 50	-																										
457 (121)	PM 550 M 50	_																										
491 (130)	PM 550 V 50																											
496 (131)	PM 550 L 55																											
553 (146)	PM 550 M 55	_																										
594 (157)	PM 550 V 55	_																										
590 (156)	PM 550 L 60																											
658 (174)	PM 550 M 60	_																										
692 (183)	PM 550 L 65	_																										
707 (187)	PM 550 V 60	_																										
772 (204)	PM 550 M 65	_																										
803 (212)	PM 550 L 70	_																										
830 (219)	PM 550 V 65	_																										
896 (237)	PM 550 M 70	_																										
946 (250)	PM 550 L 76	_																										
962 (254)	PM 550 V 70	_																										
1056 (279)	PM 550 M 76	_																										
1134 (300)	PM 550 V 76	_																										
MAIN SHAFT SPEED										Gear ratio L → 379 RPM						Gear ratio M → 423 RPM						Gear ratio V → 455 RPM						

PM 550 - 60 Hz 4 POLES ELECTRIC MOTOR (1800 RPM) - MAX ABSORBED POWER 550 kW



Also covered by smaller pump models Q50/Q51 Hydraulic head Q60/Q61 Hydraulic head

REV 03/20 - All images, specifications and dimensions are subject to change without notice, due to continuous research and development

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





