



Pumpright - Pump 150MF



Description

The pump system consists of a centrifugal pump and a separator, which enables air to be separated from the liquid and be sucked by a vacuum pump - making automatic priming possible. Even with suction heights of several meters the machine rapidly evacuates the air from the suction pipe and starts to pump. Additionally, thanks to the semi-open impeller, the PAS MF range is also suitable for pumping liquids with solids in suspension.

Benefits

- **Pump High efficiency:** 75% (B.E.P.)
- **Rapid "dry" priming** - Up to a height of 7,5 m (24.6 ft)
- **High resistance** - To abrasive liquids and turbid sandy waters
- **Semi-open impeller Solids** - handling up to 50 mm (2")
- **Diaphragm vacuum pump** - Suitable for dry running: no contamination of the environment
- **Wear plates** - Cast iron (G11 rubber lined) or stainless steel wear plates, that are easily replaceable
- **Mechanical shaft seal in oil bath** - It allows the "dry running" operation of the pump
- **Easy maintenance** - Hinged cover for direct access to the impeller (without lifting devices). Link belt quick to replace on the field.

PAS 150MF 240 FYM02 CNP

Performance curves

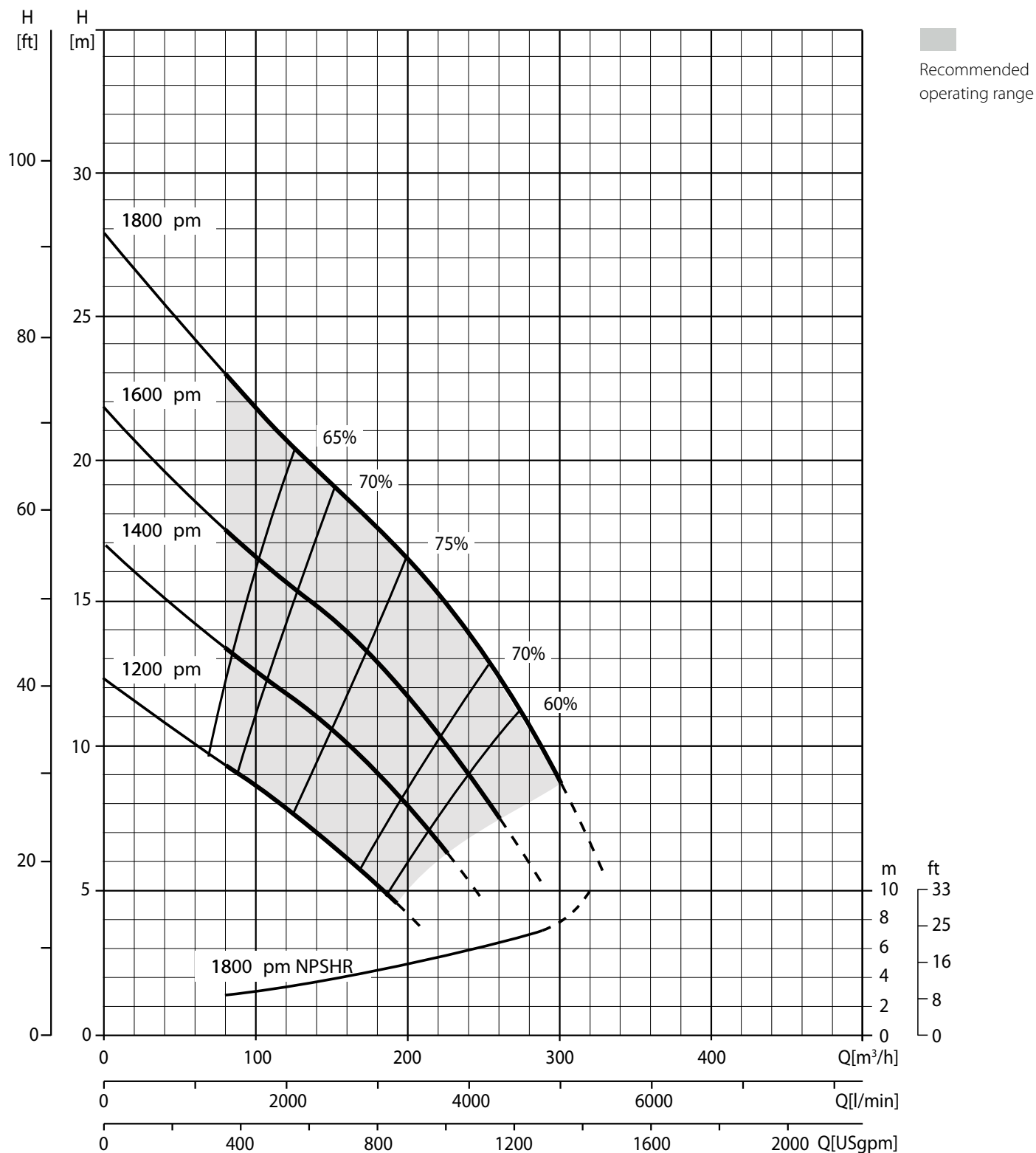
Test according to UNI EN ISO 9906 standard - level 2

Test liquid: clean water, density 1,000 kg/m³

Losses from check valve not included

Spherical solids handling: D.50 mm (2")

Max absorbed power: 14,0 kW - 18.8 HP (1.800 rpm)



PAS 150MF 240 FYM02 CNP

Technical data

Pump

Model	PAS 150MF	
Qmax	290 m³/h - 4.830 l/min (1,276 USgpm)	
Hmax	28 m (91 ft)	
Q max eff.	200 m³/h - 3.333 l/min (880 USgpm)	
Eff. max	75 %	
Suction port	Flanged - Multi Standard 150	
Delivery port	Flanged - Multi Standard 150	
Impeller type	Semi-Open, 2 vane	
Solids handling	50 mm (2.0 ")	
Material	G11	F11
Casing	EN-GJL-200 cast iron	EN-GJL-200 cast iron
Impeller	EN-GJS-400 ductile iron	CF3M stainless steel
Wear plates	EN-GJL-200 rubber lined cast iron	CF3M stainless steel
Number of plates	2	2
Shaft	39NiCrMo3 steel	SAF 2205 stainless steel
Flushing	Yes	Yes
Mechanical seal	Tungsten carbide / Tungsten carbide	Tungsten carbide / Tungsten carbide
Elastomers	VITON	VITON

Priming system

Vacuum pump	V20
Vacuum pump type	Diaphragm
Nominal air capacity	50 m³/h (29.4 cfm)
Max vacuum	0,9 bar
Separator type	Valmatic
Separator material	EN-GJL-200 cast iron
Drives	Link belt

Engines

Make	Yanmar			
Model	3TNV88F (YM02)			
Type	Diesel direct injection, aspirated			
Displacement	1.642 cm³ (100 in³)			
No. cylinders	3			
Cooling	Liquid with radiator			
Rpm type	Variable			
Standard speed	1.800 rpm			
EU emissions	2002/88/CE Stage V			
Starting	Electric			
Starting voltage	12 V			
Speed [rpm]	1200	1400	1600	1800
Consumption [l/h]	1,9	2,8	3,1	4
Power [kW]	6	8	11	14
Power [HP]	8	10,7	14,6	19,7

Control panel

Model	PW500 (PW1)
	Manual operation
	Automatic operation: start-stop with floats
	Digital display with 6 languages (IT,EN, FR, DE, ES, PT) with:
	Hour meter, Rev counter, Liquid temperature, Oil pressure
	Battery voltmeter, Fuel level (%)
	Automatic engine shutdown in case of:
	- low oil pressure
	- water overheating
	- low battery voltage
	(engine failure alarms with LED lights and display message)
	Emergency stop button
	Push-button accelerator (up/down)
	(PW1 FleetLink control as option)

PAS 150MF 240 FYM02 CNP

Arrangements

Technical data	
Material	S235JR EN 10025-2 carbon steel
Coatings	Polyester powder, average thickness of 80 µm
Color	Thermaright white
Features	Painted steel base. Stackable frame
Battery	Acid charge Pb-Ca maintenance free 12 V - 100 Ah - 400 A
Tank	320 l (84.5 USG)
Optional supply	(External fuel coupling as option)
Drip pan	352,0 l (93.0 USG) (110% of the total volume of the tank)
Emergency stop	Outside the canopy
Locking keys	Control panel door and canopy doors

CNP PAS 150MF



Dimensions	1100 x 2240 x 1560 mm
	43 x 88 x 61 "
H suction port	
Dry weight (YM02)	1400 kg (2,870 lb)
Noise Level	61-66 dB(A) @10 m (32 ft)