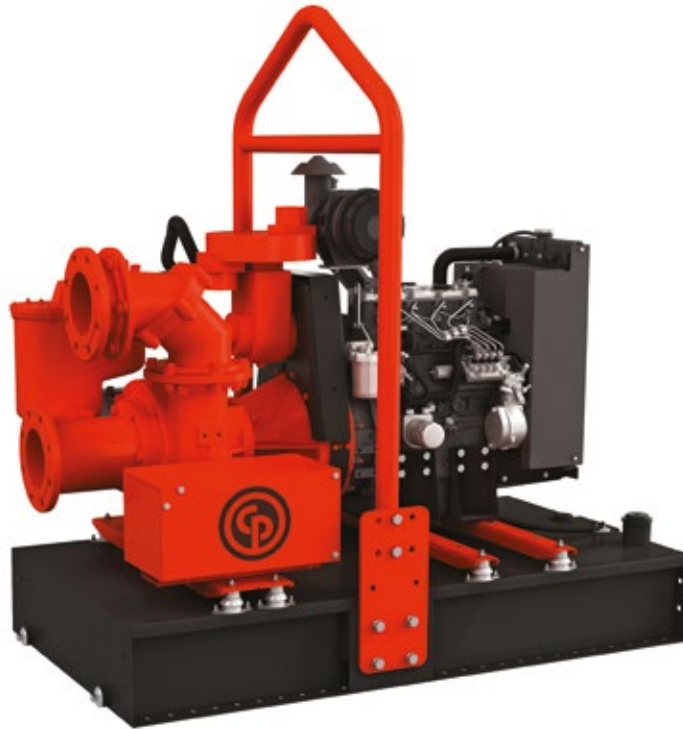


CPP8 T4F

Qmax 600 m³/h (2,640 USgpm) - Hmax 30 m (98 ft)



Indicative picture of the product

CPP - Vacuum prime centrifugal pumps

The pump system consists of a centrifugal pump and a air/water 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 CPP range is also suitable for pumping liquids with solids in suspension.

Applications

CPP medium flow pump range is packed with features that not only meet, but exceed the needs of the market. We are focused on an efficient, extremely versatile pump that is suitable for many industries, including construction, general dewatering and emergency applications, such as flood clean up.

Benefits

Pump

High efficiency: 64% (B.E.P.)

Rapid “dry” priming

Up to a height of 8.5 m (27.5 ft)

High resistance

To abrasive liquids and turbid sandy waters

Semi-open impeller

Solids handling up to 76 mm (3")

Rotary vane vacuum pump

Lubricated with oil recovery system and coalescing filters: no contamination of the environment

Wear plates

Cast iron rubber lined wear plates, that are easily replaceable

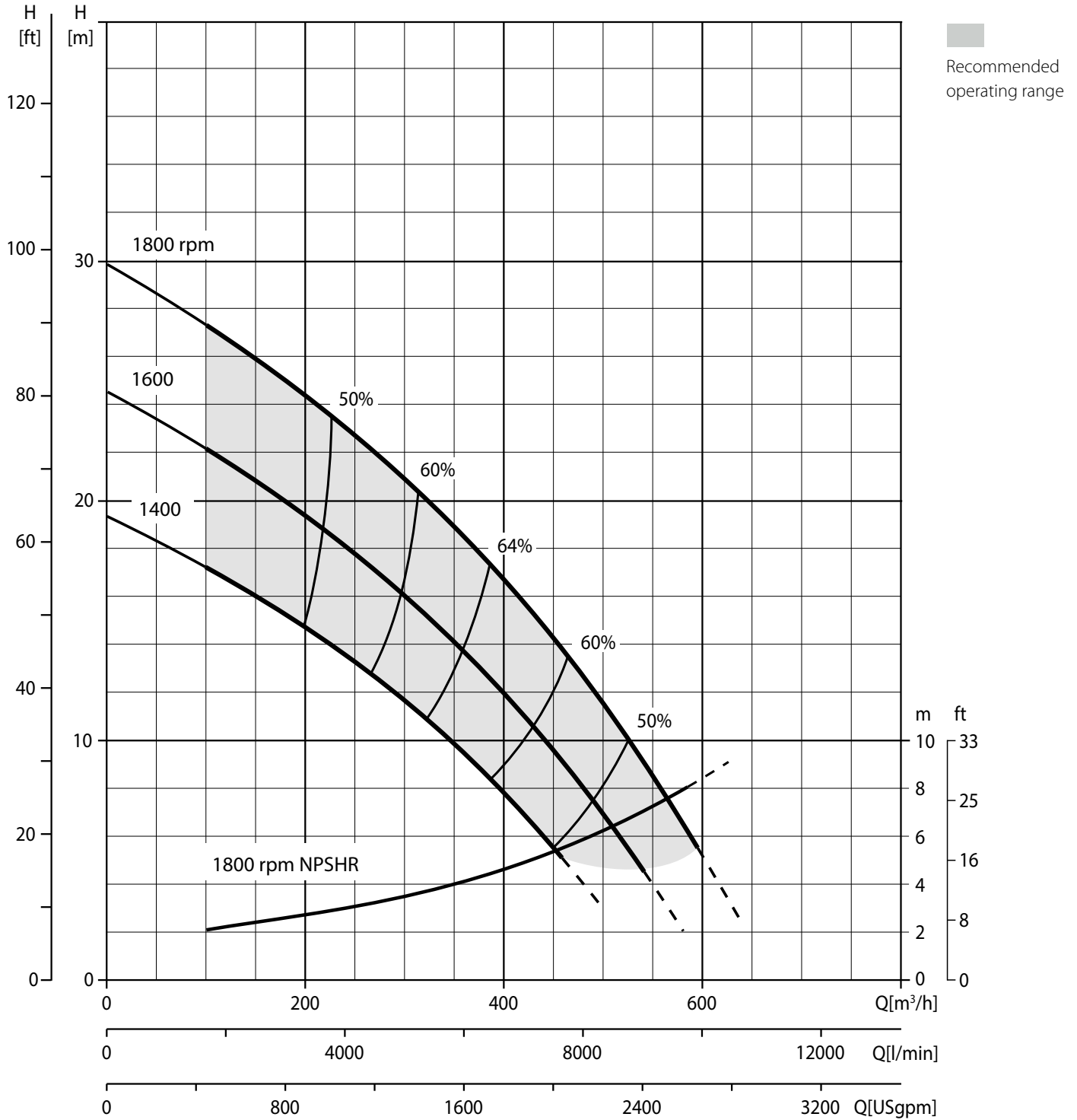
CPP8 T4F

Performance curves



Test according to UNI EN ISO 9906 standard - level 2
Test liquid: clean water, density 1,000 kg/m³
Spherical solids handling: D.76 mm (3.0")

Priming time: 40 s from 1,5 m (4.9 ft)
Max absorbed power: 33,0 kW - 44.3 HP (1.800 rpm)



Technical data

Pump

Features	
Qmax	600 m ³ /h - 10.000 l/min (2,640 USgpm)
Hmax	30 m (98 ft)
Q max eff.	370 m ³ /h - 6.170 l/min (1,600 USgpm)
Eff. max	64%
Suction port	Flanged - ANSI 8"
Delivery port	Flanged - ANSI 8"
Impeller type	Semi-Open, 2 vane
Solids handling	76 mm (3")
Materials	
Casing	EN-GJL-200 cast iron
Impeller	EN-GJS-400 cast iron
Wear plates	EN-GJL-200 rubber lined cast iron
Number of plates	1
Shaft	39NiCrMo3 steel
Mechanical seal	Tungsten carbide / Tungsten carbide
Elastomers	VITON

Priming system

Features	
Vacuum pump type	rotary vane
Nominal air capacity	75 m ³ /h (44.1 cfm)
Max vacuum	0,9 bar
Separator type	Simplex
Separator material	EN-GJL-200 cast iron
Drives	Link belt

Engine

Make		Kohler			
Model	KDI 1903TCR (KL31)				
Type	Diesel turbo common rail				
Displacement	1.861 cm ³ (114 in ³)				
No. cylinders	3				
Cooling	Liquid with radiator				
Rpm type	Variable				
Standard speed	1.800 rpm				
US emissions	EPA Tier IV final				
Starting	Electric				
Starting voltage	12 V				
Speed [rpm]	1.200	1.400	1.600	1.800	
Consumption [l/h]	5,3	6,7	7,7	8,3	
Power [kW]	21,6	27,7	31,7	33,6	
Power [HP]	29	37.1	42.6	45.1	

Control panel

Manual operation, automatic operation (start-stop with floats), emergency operation
Hour meter
Rev counter
Battery voltmeter
Emergency stop button
Display with 6 languages
Automatic engine shutdown in case of: - low oil pressure - water overheating - lack of battery charging (engine failure alarms with LED lights and display message)
Throttle buttons

Features

Material	S275JR EN 10025-2 carbon steel
Coatings	Epoxy powder, average thickness of 80 µm
Color	Red (RAL 3001) and grey (RAL 7021)
Features	Modular and demountable framework; hot dip galvanised steel support bases, lifting beam. Lockable battery box. Fuel level indicator.
Battery	Acid charge Pb-Ca maintenance free 12 V - 125 Ah - 600 A
Tank	420 l (111.0 USG)
Locking keys	Fuel cap

CPP8 T4F



Dimensions	995 x 2450 x 1700 mm 39 x 96 x 67 "
H suction port	0,77 m (2.5 ft)
Weight	1.180 kg (2,560 lb)