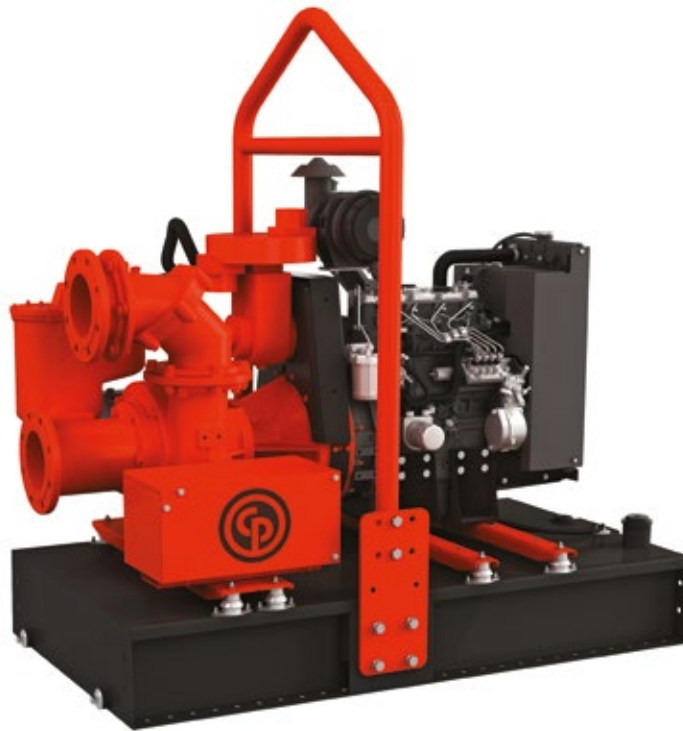


CPP6 T4F

Qmax 300 m³/h (1,320 USgpm) - Hmax 28 m (91 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: 75% (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 50 mm (2")

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

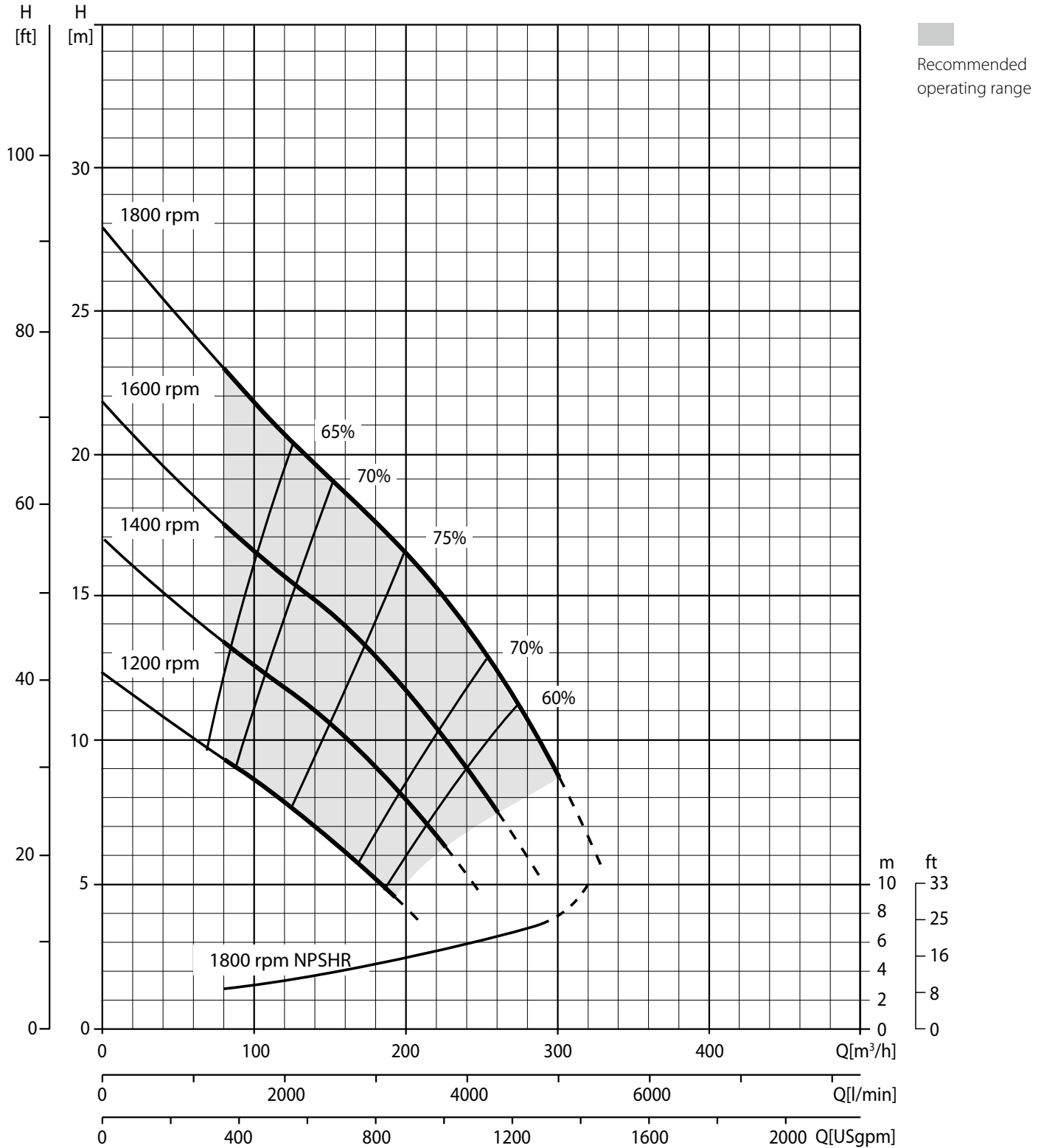
CPP6 T4F

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.50 mm (2.0")

Priming time: 35 s from 1,5 m (4.9 ft)
Max absorbed power: 14,0 kW - 18.8 HP (1.800 rpm)



Technical data

Pump

Features	
Qmax	300 m ³ /h - 5.000 l/min (1,320 USgpm)
Hmax	28 m (91 ft)
Q max eff.	200 m ³ /h - 3.330 l/min (880 USgpm)
Eff. max	75%
Suction port	Flanged - ANSI 6"
Delivery port	Flanged - ANSI 6"
Impeller type	Semi-Open, 2 vane
Solids handling	50 mm (2")
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	2
Shaft	39NiCrMo3 steel
Flushing	Yes
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 300 l (79.3 USG)

Locking keys Fuel cap

CPP6 T4F



Dimensions 995 x 2020 x 1520 mm
39 x 80 x 60 "

H suction port 0,585 m (1.9 ft)

Weight 755 kg (1,665 lb)