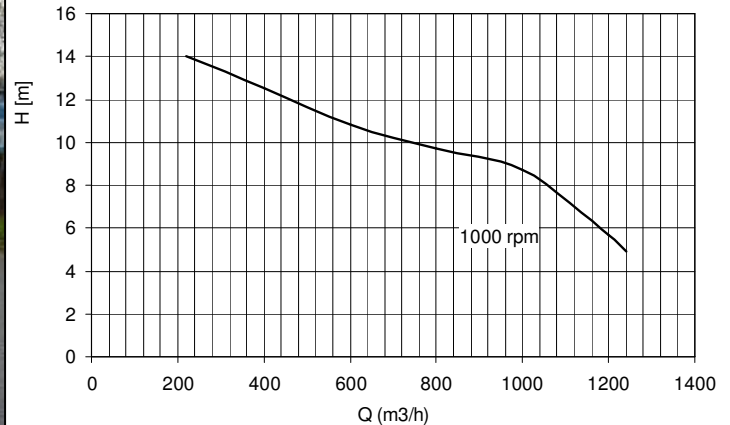


BBA self priming centrifugal pumps



Type: **B 300R SDE**

12" diesel driven tank frame mounted



General:

The BBA self priming centrifugal pump B 300 (12") is a robust compact contractor pump for handling clean or polluted liquids with flow capacity up to 1240 m³/h, total head up to 16 m and solid handling of 70 mm.

The construction with open impeller, changeable wear plate and large cleaning covers enables to pump clean or polluted liquids. The mechanical seal is grease lubricated and guarantees a good performance of the pump. This pump can run dry for certain period and needs no foot valve for priming up.

The diesel driven B pump on a trailer is suitable for site work application. Built together with a diesel engine the noise level will be 77 dBa at 10m.

Applications:

This pump system is used for: marine, industry, irrigation, waste water, agriculture and horticulture

Technical specifications:

Centrifugal pump:

impeller type	: open impeller
flow max	: 1240 m ³ /h
head max	: 16 m
impeller size	: 394 mm
free passage	: 70 mm
req. power	: 50,0 kW
pump speed	: 1000 rpm
max speed	: 1000 rpm
connections	: 12" BSP

Materials:

pump casing	: steel st37	- 1.0036
head	: cast iron GG 20	- 0.6020
wear plate	: steel st37	- 1.0036
impeller	: cast iron GG 40	- 0.6040
pump shaft	: steel C45 - DIN 1.1191	
gaskets	: NBR	
fixing material	: steel 8.8 el. galvanized	
shaft seal	: mechanical seal	
seal faces	: T.C. / T.C.	
O ring	: Viton	

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Diesel drive:

diesel motor : Deutz F6L914
cooling : air cooled
cylinder : 6 cylinder
motor power : 65,0 kW at 1800 rpm
start : electric start, 12 V
fuel consumption : max 13,5 l/h
fuel tank : 300 liter (22 running hrs)
assembly : pump unit mounted
on a galvanized tank
frame
noise level : 77 dBa at 10 m

Dimensions:

l x w x h : 3300 x 1250 x 1800 mm
weight : 2600 kg



Optional:

trailer mounted



in a sound absorbing canopy



How it works:



The rotation of the impeller draws the air present in the suction pipe into the pump casing. The air mixes with the liquid. Liquid and air are transported to the discharge side. The heavier liquid falls back and the air leaves the pump through the discharge outlet. When all the air has been removed from the suction pipe the pump draws the liquid. The built in non-return valve at the suction side prevents the pump casing from being siphoned empty when the pump stops. So immediate re-prime is always possible.

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