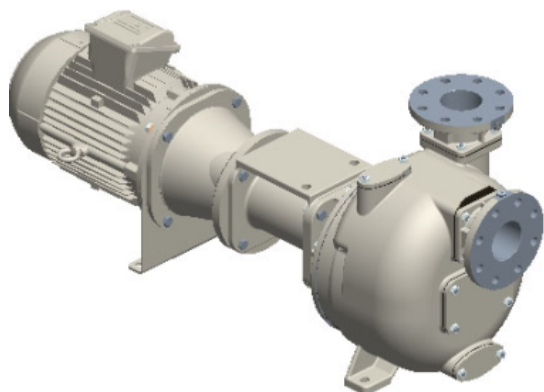




S 91 G33BBT+F



**Product codes:**

Reference: 1343.242

**Product short description:**

3" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 7,5 kW electric motor Bi-Block (B5 standard motor flange-mounted on the pump bearing bracket)  
**+F flange coupling according DIN. PN16**

**Product features:**

Main Features
Pump series: S 91
Pump Flow Rate: max 110 m <sup>3</sup> /h (1800 l/min)
Pump head with 50 Hz grid frequency: max 24 m
Max. Solids Handling: 35 mm
Self-priming: ★★★★★☆
Heavy-duty: ★★★★★
Construction: Bi-Block
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN80
Discharge port: 3", DN80
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Type of self-priming: Wet-prime
Plug for Vacuometer: Yes
Plug for the Manometer: Yes



<b>Material of casing:</b> Cast iron
<b>Material of impeller:</b> Ductile Cast-iron
<b>Material of wear plate:</b> Steel
<b>Material of shaft:</b> Stainless steel AISI420
<b>Material of non-return valve:</b> NBR (Nitrile)
<b>Shaft sealing:</b> YYV+N Mechanical Seal with Grease Lubrication in SiC/SiC/FKM(Viton®)+Nitrile on Stainless Steel Sleeve AISI316
<b>Drive</b>
<b>Type of drive unit:</b> Three-Phase Electric Motor
<b>Drive Manufacturer:</b> WEG
<b>Efficiency class:</b> IE3
<b>Rated Power:</b> 7, 5 kW (10 HP)
<b>Maximal Rotation:</b> 1450 rpm (50 Hz)
<b>Rated voltage:</b> 400 V $\pm 10\%$ @ 50 Hz, 690 V $\pm 10\%$ @ 50 Hz
<b>Protection:</b> 16 Amp (380-480 V), 11 Amp (660-725 V)
<b>Mounting:</b> B5
<b>Frame:</b> IEC 132S
<b>Cooling method:</b> IC411- TEFC
<b>Protection degree:</b> IP55
<b>Insulation class:</b> F
<b>Performance data</b>
<b>Typical application:</b> waste water with solids in suspension, non-corrosive
<b>Product temperature:</b> max. 90 °C
<b>Ambient temperature:</b> max. 40 °C
<b>Density:</b> up to 1, 1 kg/dm <sup>3</sup> , for higher values you need an oversized motor
<b>Viscosity:</b> up to 5 mm <sup>2</sup> s (cSt), for higher values you need an oversized motor
<b>Max vacuum with water:</b> max 8 m (9, 5 m for 10 min)
<b>Max vacuum with air:</b> max 7, 5 m
<b>Additional Features</b>
<b>Setup position:</b> Horizontal
<b>Coupling:</b> coupling integrated in the bracket
<b>Paint:</b> RAL6011 Reseda green
<b>External Dimensions (L x W x H):</b> see dimensions
<b>Net Weight:</b> see dimensions

## Product gallery:

