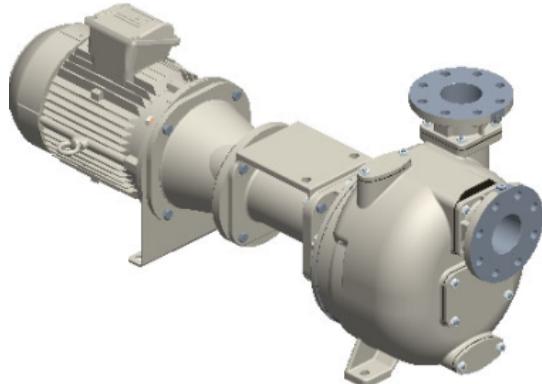


S 91 G33BBT+F



#### 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 Vacumeter: Yes
Plug for the Manometer: Yes



**Material of casing:** Cast iron

**Material of impeller:** Ductile Cast-iron

**Material of wear plate:** Steel

**Material of shaft:** Stainless steel AISI420

**Material of non-return valve:** NBR (Nitrile)

**Shaft sealing:** YYV+N Mechanical Seal with Grease Lubrication in SiC/SiC/FKM(Viton®)+Nitrile on Stainless Steel Sleeve AISI316

### Drive

**Type of drive unit:** Three-Phase Electric Motor

**Drive Manufacturer:** WEG

**Efficiency class:** IE3

**Rated Power:** 7, 5 kW (10 HP)

**Maximal Rotation:** 1450 rpm (50 Hz)

**Rated voltage:** 400 V ±10% @ 50 Hz, 690 V ±10% @ 50 Hz

**Protection:** 16 Amp (380-480 V), 11 Amp (660-725 V)

**Mounting:** B5

**Frame:** IEC 132S

**Cooling method:** IC411- TEFC

**Protection degree:** IP55

**Insulation class:** F

### Performance data

**Typical application:** waste water with solids in suspension, non-corrosive

**Product temperature:** max. 90 °C

**Ambient temperature:** max. 40 °C

**Density:** up to 1, 1 kg/dm<sup>3</sup>, for higher values you need an oversized motor

**Viscosity:** up to 5 mm<sup>2</sup>s (cSt), for higher values you need an oversized motor

**Max vacuum with water:** max 8 m (9, 5 m for 10 min)

**Max vacuum with air:** max 7, 5 m

### Additional Features

**Setup position:** Horizontal

**Coupling:** coupling integrated in the bracket

**Paint:** RAL6011 Reseda green

**External Dimensions (L x W x H):** see dimensions

**Net Weight:** see dimensions

### Product gallery:

Leistung: 279 mm Ø  
Impeller: 279 mm Ø  
Durchfl.: 37 mm Ø

Freiheit für  
Solids up to:  
Solid No. 2

Umdrehung:  
Speed: 1450 min<sup>-1</sup>  
Viscosit:

