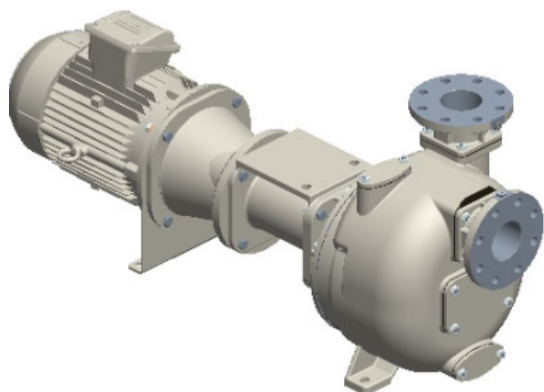




S 91 G31BBT+F



Product codes:

Reference: 13427.42

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 ³ /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



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: YCV Mechanical Seal with Grease Lubrication in SiC/SiO ₂ /FKM (Viton®) on Stainless Steel Sleeve
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 ³ , for higher values you need an oversized motor
Viscosity: up to 5 mm ² 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

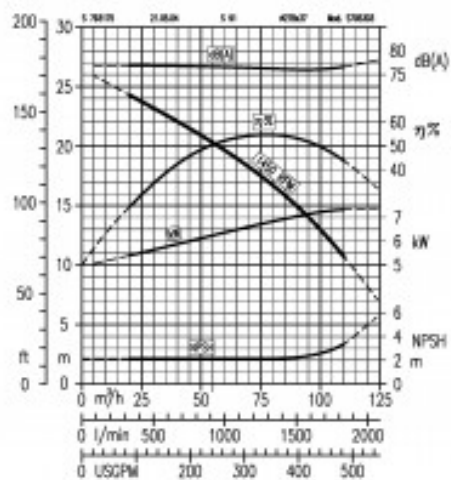
Product gallery:

S 91 - 50 Hz

Laufrad:
 Impeller: 275 mm Ø
 Größe:

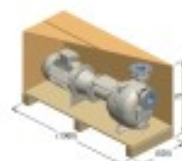
Feststoffgehalt:
 Solids up to: 37 mm Ø
 Solid too a:

Umdrehung:
 Speed: 1450 min⁻¹
 Velocity:



594

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$$\begin{aligned} \log &= 2295 \\ \text{cm}^3 &= 11.51 \end{aligned}$$
 $\log = 21.2$ 