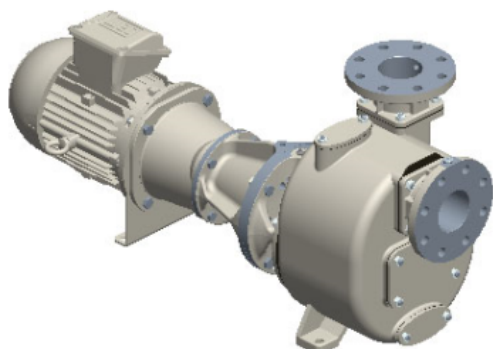




S 85 G31BBT+F+PS



Product codes:

Reference: 3397.43

Product short description:

3" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 4 kW electric motor Bi-Block (B5 standard motor flange-mounted on the pump bearing bracket)
+F flange coupling according DIN. PN16
+PS automatic lubricator for mechanical seal

Product features:

Main Features
Pump series: S 85
Pump Flow Rate: max 85 m ³ /h (1400 l/min)
Pump head with 50 Hz grid frequency: max 13 m
Max. Solids Handling: 40 mm
Self-priming: ★★☆☆☆
Heavy-duty: ★★★★★
Construction: Bi-Block
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN80
Discharge port: DN80
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Plug for Vacuometer: Yes

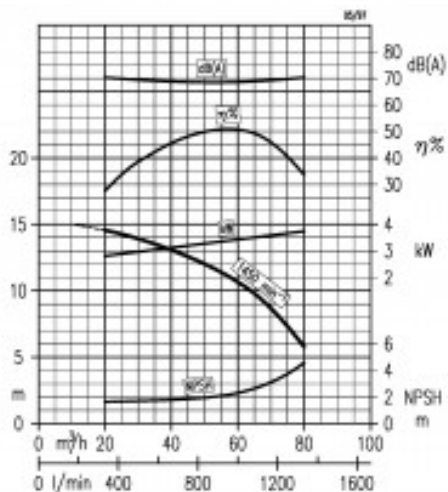


Material of casing: Cast iron
Material of impeller: Ductile Cast-iron
Material of wear plate: Steel
Material of shaft: Stainless steel AISI420
Material of non-return valve: NBR (Nitrile)
Shaft sealing: YCV Mechanical Seal with Grease Lubrication in SiC/SiO ₂ /FKM (Viton®) on Stainless Steel Sleeve
Drive
Type of drive unit: Three-Phase Electric Motor
Drive Manufacturer: WEG
Efficiency class: IE3
Rated Power: 4 kW
Maximal Rotation: 1450 rpm (50 Hz)
Rated voltage: 400 V ±10% @ 50 Hz, 230 V ±10% @ 50 Hz
Protection: 12 Amp (380-480 V), 18 Amp (220-277 V)
Mounting: B5
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 6 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:

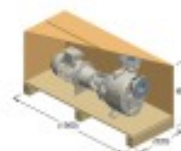
S 85 - 50 Hz

Umdrehung:
Speed: 1450 min⁻¹
Velocity:



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$$\begin{aligned} \log &= 1.82 \\ m^2 &= 0.44 \end{aligned}$$
 $\log = 1.79$ 