S 85 G31BBT

Product codes:

Reference: 3397.40

Product short description:

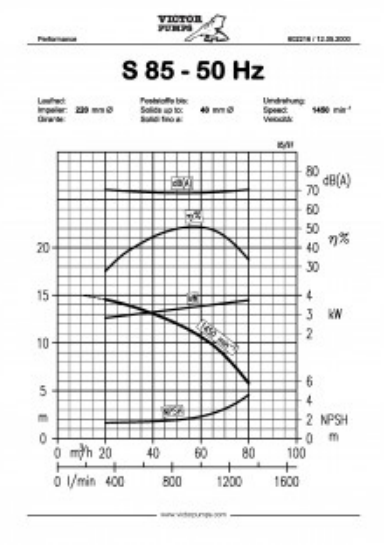
3” Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 4 kW electric motor Bi-Block (B5 standard motor flange-mounted on the pump bearing bracket)

Product features:

Main Features
Pump series: S 85
Pump Flow Rate: max 85 m³/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: 3"
Discharge port: 3"
Type of ports: Female Thread BSP
Plug for Vacumeter: Option
Plug for the Manometer: Option
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^2s (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
dB(A)
η%
kW
NPSH
m
m³/h
l/min