S121 G31BBT
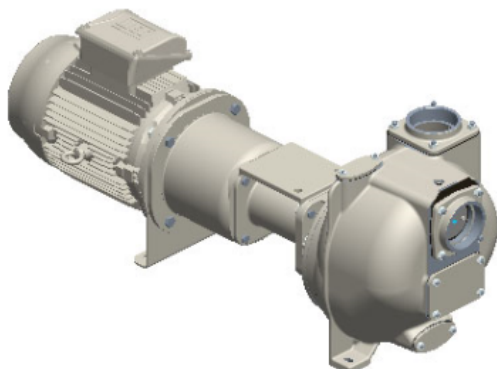
Product codes:

Reference: 13522.40

Product short description:

4" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 11 kW electric motor Bi-Block (B5 standard motor flange-mounted on the pump bearing bracket)

Product features:

Main Features	
Pump series: S121	
Pump Flow Rate: max 180 m³/h (3000 l/min)	
Pump head with 50 Hz grid frequency: max 24 m	
Max. Solids Handling: 45 mm	
Self-priming: ★★★★★	
Heavy-duty: ★★★★★	
Construction: Bi-Block	
Pump	
Type of Pump: Self-priming centrifugal pump	
Suction port: 4"	
Discharge port: 4"	
Type of ports: Female Thread BSP	
Type of self-priming: Wet-prime	
Inspection cover for the impeller: Yes	
Filling port: Yes	

Drain Port: Yes	
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
Efficiency class: IE3
Rated Power: 11 kW
Maximal Rotation: 1450 rpm (50 Hz)
Rated voltage: 400 V ±10% @ 50 Hz, 690 V ±10% @ 50 Hz
Protection: 26 Amp (380-480 V), 16 Amp (660-725 V)
Mounting: B5
Frame: IEC 160M
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/dm³, for higher values you need an oversized motor
Viscosity: up to 30 mm²s (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 8, 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:

S121 - 50 Hz

Laufrad / Impeller / Girante: Ø 275 mm
Feststoffe bis / Solids up to / Solidi fino a: Ø 40 mm
Umdrehung / Speed / Velocità: ~ 1450 min-1

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Dimension S121 ... BBT
8000037287 / 10.11.22

kg = 299
m³ = 0.68

kg = 276