



S121 G31B+F+PS/T



Product codes:

Reference: 13522.143

Product short description:

4" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 11 kW electric motor, on baseplate with coupling and guard.

+F flange coupling according DIN. PN16

+PS automatic lubricator for mechanical seal

Product features:

Main Features
Pump series: S121
Pump Flow Rate: max 180 m ³ /h (3000 l/min)
Pump head with 50 Hz grid frequency: max 24 m
Max. Solids Handling: 45 mm
Self-priming: ★★★★★
Heavy-duty: ★★★★★
Construction: Classic
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN100
Discharge port: DN100
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Type of self-priming: Wet-prime



Filling port: Yes
Drain Port: Yes
Plug for Vacuometer: Yes
Plug for the Manometer: Yes
Material of casing: Ductile 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: B3
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/dm ³ , for higher values you need an oversized motor
Viscosity: up to 30 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 8, 5 m
Additional Features
Setup position: Horizontal
Coupling: Elastic coupling with steel coupling guard
Arrangement: Steel base plate
Paint: RAL6011 Reseda green
External Dimensions (L x W x H): see dimensions
Net Weight: see dimensions





