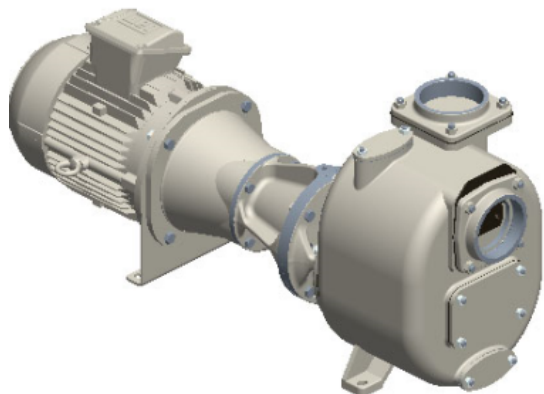# S105 G31BBT+PS

Product codes:

Reference: 3484.241

Product short description:

4" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 5,5 kW electric motor Bi-Block (B5 standard motor flange-mounted on the pump bearing bracket)
+PS automatic lubricator for mechanical seal

Product features:

Main Features	
Pump series: S105	
Pump Flow Rate: max 150 m³/h (2500 l/min)	
Pump head with 50 Hz grid frequency: max 15 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	
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: 5, 5 kW	
Maximal Rotation: 1450 rpm (50 Hz)	
Rated voltage: 400 V ±10% @ 50 Hz, 690 V ±10% @ 50 Hz	
Protection: 15 Amp (380-480 V), 8 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/dm³, for higher values you need an oversized motor	
Viscosity: up to 1 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 6 m	

Additional Features

Setup position: Horizontal	
Paint: RAL6011 Reseda green	
External Dimensions (L x W x H): see dimensions	
Net Weight: see dimensions	

Product gallery:

S105 - 50 Hz

| Laufrad Impeller Girante | ∅ 218 mm | Feststoffe bis Solids up to Solid fino a | ∅ 45 mm | Umdrehung Speed Velocità | ~ 1450 min-1 |

S105-G...B6T

kg = 221
m³ = 0.58

kg = 207