



S 80 G31T+F+PS



**Product codes:**

Reference: 11451.03

**Product short description:**

3" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 4 kW electric motor close coupled  
**+F flange coupling according DIN. PN16**  
**+PS automatic lubricator for mechanical seal**

**Product features:**

Main Features
Pump series: S 80
Pump Flow Rate: max 75 m <sup>3</sup> /h (1250 l/min)
Pump head with 50 Hz grid frequency: max 20 m
Max. Solids Handling: 32 mm
Self-priming: ★★☆☆☆
Heavy-duty: ★★★★★
Construction: Close Coupled
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN80
Discharge port: DN80
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Type of self-priming: Wet-prime



Filling port: Yes
Drain Port: Yes
Plug for Vacumeter: Yes
Plug for the Manometer: Yes
Material of casing: Cast iron
Material of impeller: Cast iron
Material of wear plate: Steel
Material of shaft: Stainless steel AISI316
Material of non-return valve: NBR (Nitrile)
Shaft sealing: YCV Mechanical Seal with Grease Lubrication in SiC/SiO <sub>2</sub> /FKM (Viton®) on Stainless Steel Sleeve
<b>Drive</b>
Type of drive unit: Three-Phase Electric Motor
Drive Manufacturer: Victor Pumps
Efficiency class: IE3
Rated Power: 4 kW
Maximal Rotation: 2900 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)
Cooling method: IC411- TEFC
Protection degree: IP55
Insulation class: F
<b>Performance data</b>
Typical application: waste water with solids in suspension, non-corrosive
Product temperature: max. 60 °C
Ambient temperature: max. 40 °C
Density: up to 1, 4 kg/dm <sup>3</sup> , for higher values you need an oversized motor
Viscosity: up to 5 mm <sup>2</sup> 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 7, 5 m
<b>Additional Features</b>
Setup position: Horizontal
Coupling: One shaft solution without any coupling
Paint: RAL6011 Reseda green
External Dimensions (L x W x H): 661 x 288, 5 x 434 mm
Net Weight: 84 kg

## Product gallery:

