



S180+50 G31B+F+PS/T



**Product codes:**

Reference: 35524.43

**Product short description:**

6" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 30 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: S180+50
Pump Flow Rate: max 340 m³/h (5667 l/min)
Pump head with 50 Hz grid frequency: max 20 m
Max. Solids Handling: 54 mm
Self-priming: ★★★★★
Heavy-duty: ★★★☆☆
Construction: Classic
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN150
Discharge port: DN150
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Inspection cover for the impeller: Yes



<b>Drain Port:</b> Yes
<b>Plug for Vacuometer:</b> Yes
<b>Plug for the Manometer:</b> Yes
<b>Material of casing:</b> Cast iron
<b>Material of impeller:</b> Ductile Cast-iron
<b>Material of wear plate:</b> Steel
<b>Material of shaft:</b> Stainless steel AISI420
<b>Material of non-return valve:</b> NBR (Nitrile)
<b>Shaft sealing:</b> YCV Mechanical Seal with Grease Lubrication in SiC/SiO <sub>2</sub> /FKM (Viton®) on Stainless Steel Sleeve AISI420
<b>Drive</b>
<b>Type of drive unit:</b> Three-Phase Electric Motor
<b>Drive Manufacturer:</b> WEG
<b>Efficiency class:</b> IE3
<b>Rated Power:</b> 30 kW
<b>Maximal Rotation:</b> 1450 rpm (50 Hz)
<b>Rated voltage:</b> 400 V ±10% @ 50 Hz, 690 V ±10% @ 50 Hz
<b>Protection:</b> 64 Amp (380-480 V), 37 Amp (660-725 V)
<b>Mounting:</b> B3
<b>Frame:</b> IEC 200L
<b>Cooling method:</b> IC411- TEFC
<b>Protection degree:</b> IP55
<b>Insulation class:</b> F
<b>Performance data</b>
<b>Typical application:</b> waste water with solids in suspension, non-corrosive
<b>Product temperature:</b> max. 90 °C
<b>Ambient temperature:</b> max. 40 °C
<b>Density:</b> up to 1, 1 kg/dm <sup>3</sup> , for higher values you need an oversized motor
<b>Viscosity:</b> up to 20 mm <sup>2</sup> /s (cSt), for higher values you need an oversized motor
<b>Max vacuum with water:</b> max 8 m (9, 5 m for 10 min)
<b>Max vacuum with air:</b> max 6 m
<b>Additional Features</b>
<b>Setup position:</b> Horizontal
<b>Coupling:</b> Elastic coupling with steel coupling guard
<b>Arrangement:</b> Steel base plate
<b>Paint:</b> RAL6011 Reseda green
<b>External Dimensions (L x W x H):</b> see dimensions
<b>Net Weight:</b> see dimensions



### Product gallery:



