



S 80 G31T+TQ

Product codes:

Reference: X27143



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, mounted on trolley with lifting hook and rubber wheel.

Product features:

Main Features
Pump series: S 80
Pump Flow Rate: max 75 m ³ /h (1250 l/min)
Pump head with 50 Hz grid frequency: max 20 m
Max. Solids Handling: 32 mm
Self-priming: ★★☆☆☆
Heavy-duty: ★★★★★
Construction: Mobile Pumps
Frame: Single-axle trolley
Frame
Type of Tyre: 8" rubber wheel with Tractor Profile
Suitable for solid ground: Yes
Suitable for muddy and sandy terrains: Yes
Lifting hook: Yes
Can be moved by hand: Yes
Can be towed with a vehicle: Yes



Towing bar with hook: Yes
Document box prepared for lock: No
Tool box prepared for lock: No
Tank on engine: No
Tank integrated in frame: No
Pump
Type of Pump: Self-priming centrifugal pump
Pump manufacturer: Victor Pumps
Suction port: 3"
Discharge port: 3"
Type of ports: Female Thread BSP
Type of self-priming: Wet-prime
Vaccum pump: No
Inspection cover for the impeller: Yes
Filling port: Yes
Drain Port: Yes
Plug for Vacuometer: No
Plug for the Manometer: No
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 ₂ /FKM (Viton®) on Stainless Steel Sleeve
Drive
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
Performance data
Typical application: waste water with solids in suspension, non-corrosive



Density: up to 1, 1 kg/dm³, for higher values you need an oversized motor

Max vacuum with water: max 8 m (9, 5 m for 10 min)

Additional Features

Switchboard: Yes

Plug: IEC 16 Amp, 400 V, 5 Pin with Phase inversion

External Dimensions (L x W x H): see dimensions

Net Weight: see dimensions

VICTOR
FEMSA

Performance

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S 80 - 50 Hz

Laufzeit
Impeller Ø 108 mm
Drehzahl
Drehmoment
Drehzahl
Drehmoment

Umschaltzeit
Drehmoment
Drehzahl
Drehmoment

3500 rpm / 1

The performance graphs for the Victor Femsa S 80 - 50 Hz pump are as follows:

- Flow Rate vs. Head:** The top graph shows the flow rate Q in m^3/h (x-axis, 0 to 120) and G in dm^3/min (x-axis, 0 to 200) versus head H in m (y-axis, 0 to 34). The curve starts at approximately 34 m head and 0 Q , and decreases to approximately 75 m head and 75 Q .
- Efficiency vs. Flow Rate:** The middle graph shows efficiency η in % (y-axis, 0 to 75) versus flow rate Q in m^3/h (x-axis, 0 to 120). The efficiency curve starts at approximately 10% at 0 Q , rises to a peak of approximately 65% at 40 Q , and then decreases to approximately 10% at 75 Q .
- Power and Noise vs. Flow Rate:** The bottom graph shows power P in kW (y-axis, 0 to 5) and noise level $dB(A)$ (y-axis, 50 to 80) versus flow rate Q in m^3/h (x-axis, 0 to 120). The power curve starts at approximately 1.5 kW at 0 Q and increases to approximately 4.5 kW at 75 Q . The noise level curve starts at approximately 50 $dB(A)$ at 0 Q and increases to approximately 75 $dB(A)$ at 75 Q .



