



S121 G33T+PS



#### Product codes:

Reference: 14100.01

#### Product short description:

4" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 11 kW electric motor close coupled

#### Product features:

##### Main Features

Pump series: S121

Pump Flow Rate: max 180 m<sup>3</sup>/h (3000 l/min)

Pump head with 50 Hz grid frequency: max 24 m

Max. Solids Handling: 45 mm

Self-priming: ★★★★☆

Heavy-duty: ★★★★☆

Construction: Close Coupled

##### 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



**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 (Nitrile)

**Shaft sealing:** YYV+N Mechanical Seal with Grease Lubrication in SiC/SiC/FKM(Viton®)+Nitrile on Stainless Steel Sleeve AISI316

## Drive

**Type of drive unit:** Three-Phase Electric Motor

**Drive Manufacturer:** Victor Pumps

**Efficiency class:** IE1, S6-75%

**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)

**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. 60 °C

**Ambient temperature:** max. 40 °C

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

**Viscosity:** up to 30 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 8, 5 m

## Additional Features

**Setup position:** Horizontal

**Coupling:** One shaft solution without any coupling

**Paint:** RAL6011 Reseda green

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

**Net Weight:** see dimensions

## Product gallery:

