

**Date:** 23/01/2020

### Qty. | Description

1 SE1.100.150.75.A.EX.4.51D.B



Note! Product picture may differ from actual product

Product No.: 96177696

Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.

The pump is designed for intermittent and continous operation. The liquidless and maintenance free cooling system ensures that the pump can be used for submerged or dry installation. The revolutionary S-tube® impeller provides free spherical passage of solids up to 100 mm and is suitable for wastewater with a dry matter content of up to 3 %.

A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a DIN flange. The pump is explosion-proof.

#### **Controls:**

Moisture sensor: with moisture sensors Water-in-oil sensor: with water-in-oil sensor

Temp. sensor: Y

#### Liquid:

Pumped liquid: Any Newtonian liquid

Liquid temperature range: 0 .. 40 °C
Density: 998.2 kg/m³

#### Technical:

Type of impeller: S-TUBE
Maximum particle size: 100 mm
Primary shaft seal: SIC/SIC

Secondary shaft seal: CARBON/CERAMICS

Max. hydraulic efficiency: 75 %
Approvals on nameplate: EN12050-1

Curve tolerance: ISO9906:2012 3B2

#### Materials:

Pump housing: EN 1561 EN-GJL-250

Impeller: Cast iron

#### Installation:

Maximum operating pressure: 6 bar
Flange standard: DIN
Pump outlet: DN 150
Pressure rating: PN 10
Maximum installation depth: 20 m

#### **Electrical data:**

Power input - P1: 9 kW
Rated power - P2: 7.5 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-415 V
Voltage tolerance: +6/-10 %



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Qty. Description

> Max starts per. hour: 20

Rated current: 17.7-17.5 A Rated current at 3/4 load: 13.4 A Rated current at 1/2 load: 10.9 A Starting current: 107 A Rated current at no load: 7.4 A Cos phi - power factor: 0.79 Cos phi - p.f. at no load: 0.12 Cos phi - p.f. at 3/4 load: 0.72 Cos phi - p.f. at 1/2 load: 0.61 Rated speed: 1455 rpm Locked-rotor torque: 91 Nm

Breakdown torque: 141 Nm Moment of inertia: 0.2203 kg m<sup>2</sup> Motor efficiency at full load: 83.4 % Motor efficiency at 3/4 load: 83.5 % Motor efficiency at 1/2 load: 81.3 % Number of poles: Start. method: star/delta

Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: ves

Ex-protection standard: Ex cd mb IIB T4,T3

Length of cable: Cable type: LYNIFLEX Type of cable plug: **NO PLUG** 

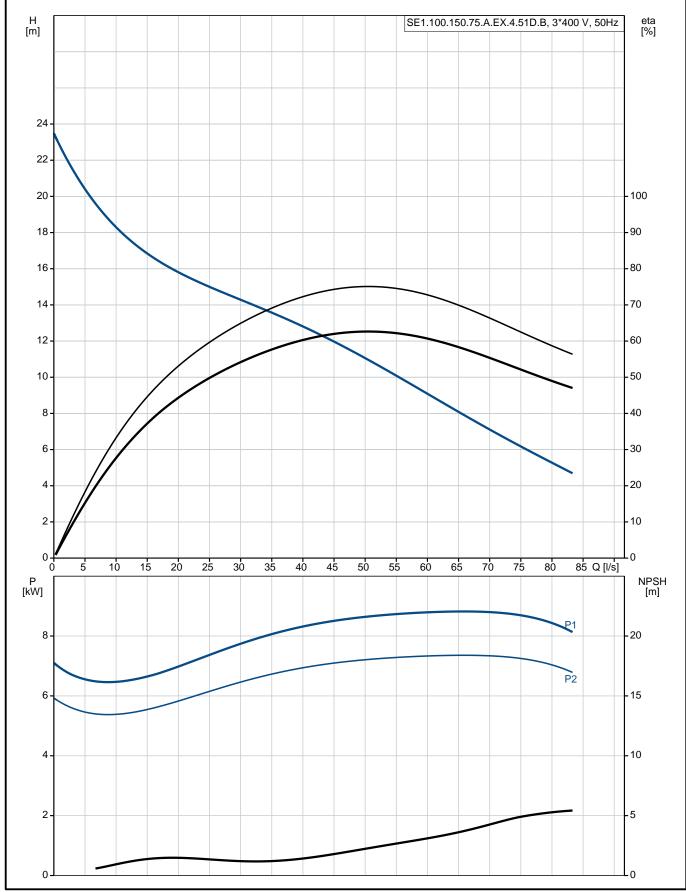
Others:

Net weight: 225 kg Country of origin: HU Custom tariff no.: 84137021



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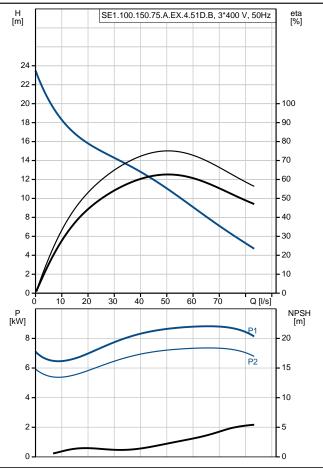
## 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz

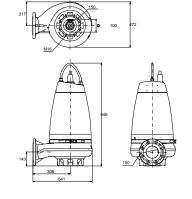


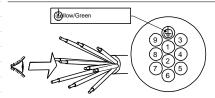


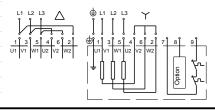
**Date:** 23/01/2020

Description	Value
General information:	
Product name:	SE1.100.150.75.A.EX.4.51D.B
Product No:	96177696
EAN number:	5700830443422
	5700830443422
Price:	7.201,00 GBP
Technical:	7.201,00 021
Max flow:	83.3 l/s
Head max:	20 m
Type of impeller:	S-TUBE
Maximum particle size:	100 mm
Primary shaft seal:	SIC/SIC
-	
Secondary shaft seal:	CARBON/CERAMICS
Max. hydraulic efficiency:	75 %
Approvals on nameplate:	EN12050-1
Curve tolerance:	ISO9906:2012 3B2
Cooling jacket:	with cooling jacket
Materials:	
Pump housing:	EN 1561 EN-GJL-250
Impeller:	Cast iron
Installation:	
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pump outlet:	DN 150
Pressure rating:	PN 10
Maximum installation depth:	20 m
Inst dry/wet:	DRY/SUBMERGED
Installation:	horizontal or vertical
Liquid:	
Pumped liquid:	Any Newtonian liquid
Liquid temperature range:	0 40 °C
Density:	000 2 kg/m3
Donoity.	990.2 kg/III°
Electrical data:	998.2 kg/m³
Electrical data:	9 kW
Electrical data: Power input - P1:	
Electrical data: Power input - P1: Rated power - P2:	9 kW 7.5 kW
Electrical data: Power input - P1: Rated power - P2: Mains frequency:	9 kW 7.5 kW 50 Hz
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage:	9 kW 7.5 kW 50 Hz 3 x 380-415 V
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 %
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A
Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A
Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 3/4 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Rated speed:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm
Electrical data:  Power input - P1:  Rated power - P2:  Mains frequency: Rated voltage:  Voltage tolerance:  Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm
Electrical data:  Power input - P1:  Rated power - P2:  Mains frequency:  Rated voltage:  Voltage tolerance:  Max starts per. hour:  Rated current:  Rated current at 3/4 load:  Rated current at 1/2 load:  Starting current:  Rated current at no load:  Cos phi - power factor:  Cos phi - p.f. at no load:  Cos phi - p.f. at 3/4 load:  Cos phi - p.f. at 1/2 load:  Rated speed:  Locked-rotor torque:  Breakdown torque:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm
Electrical data:  Power input - P1:  Rated power - P2:  Mains frequency:  Rated voltage:  Voltage tolerance:  Max starts per. hour:  Rated current:  Rated current at 3/4 load:  Rated current at 1/2 load:  Starting current:  Rated current at no load:  Cos phi - power factor:  Cos phi - p.f. at no load:  Cos phi - p.f. at 1/2 load:  Rated speed:  Locked-rotor torque:  Breakdown torque:  Moment of inertia:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m²
Electrical data:  Power input - P1:  Rated power - P2:  Mains frequency:  Rated voltage:  Voltage tolerance:  Max starts per. hour:  Rated current:  Rated current at 3/4 load:  Rated current at 1/2 load:  Starting current:  Rated current at no load:  Cos phi - power factor:  Cos phi - p.f. at no load:  Cos phi - p.f. at 1/2 load:  Rated speed:  Locked-rotor torque:  Breakdown torque:  Moment of inertia:  Motor efficiency at full load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m² 83.4 %
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at full load: Motor efficiency at 3/4 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m² 83.4 % 83.5 %
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m² 83.4 %
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at full load: Motor efficiency at 3/4 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m² 83.4 % 83.5 %
Electrical data: Power input - P1: Rated power - P2: Mains frequency: Rated voltage: Voltage tolerance: Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	9 kW 7.5 kW 50 Hz 3 x 380-415 V +6/-10 % 20 17.7-17.5 A 13.4 A 10.9 A 107 A 7.4 A 0.79 0.12 0.72 0.61 1455 rpm 91 Nm 141 Nm 0.2203 kg m² 83.4 % 83.5 % 81.3 %











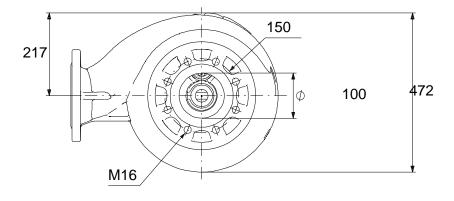
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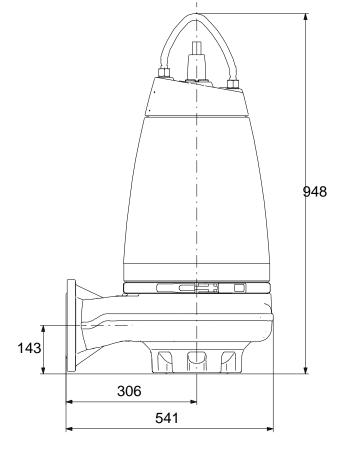
Description	Value
Insulation class (IEC 85):	F
Explosion proof:	yes
Ex-protection standard:	Ex cd mb IIB T4,T3
Motor protec:	THERMAL SWITCH
Thermal protec:	internal
Length of cable:	10 m
Cable type:	LYNIFLEX
Type of cable plug:	NO PLUG
Controls:	
Control box:	not included
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	with water-in-oil sensor
Temp. sensor:	Υ
Others:	
Net weight:	225 kg
Country of origin:	HU
Custom tariff no.:	84137021

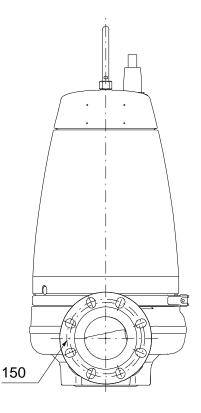


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# 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz





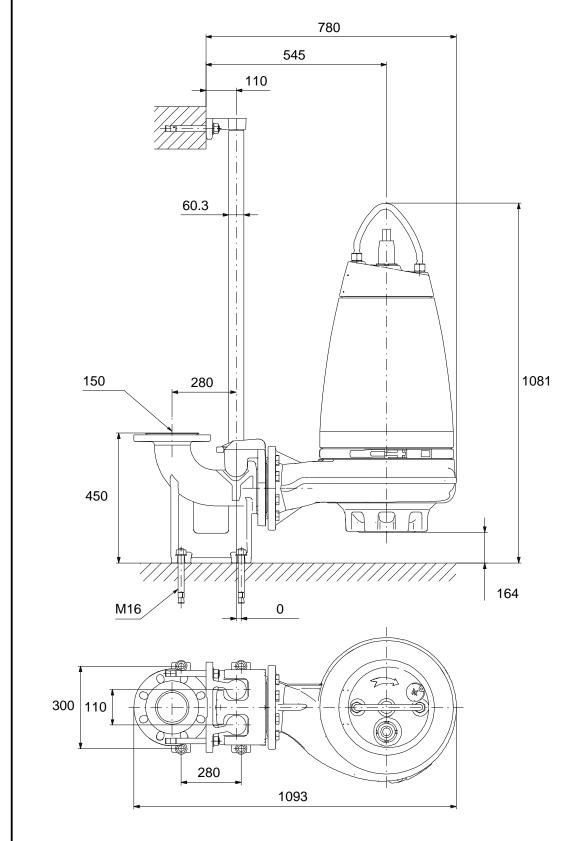




Date:

23/01/2020

## 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz

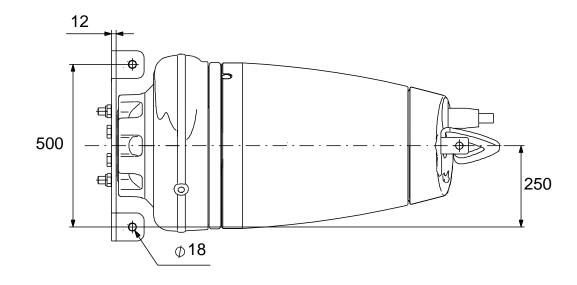


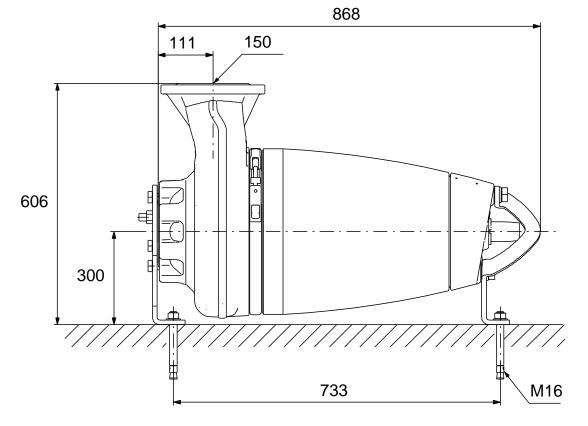


Date:

23/01/2020

## 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz

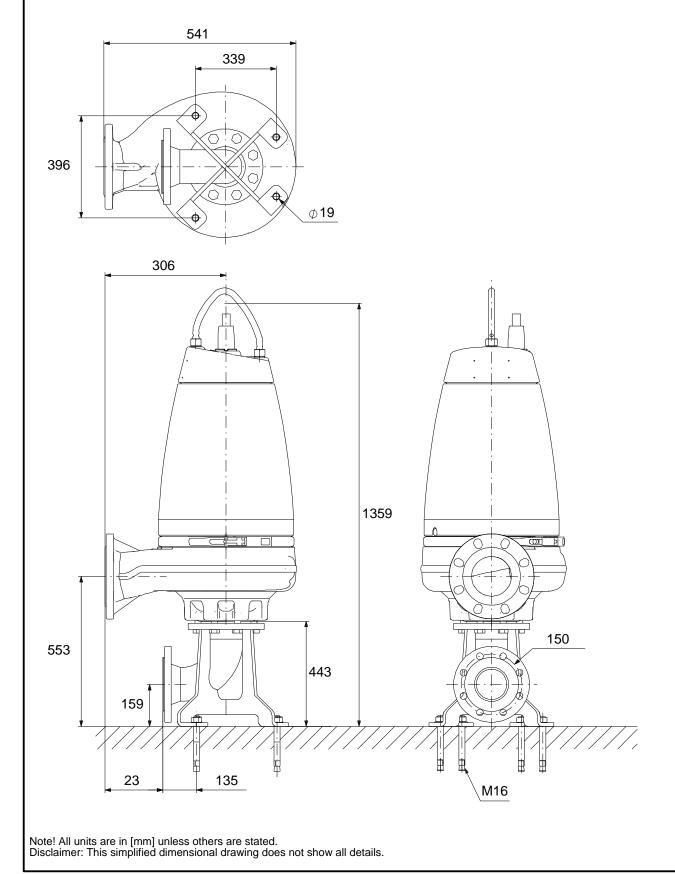






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# 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz





Date:

23/01/2020

# 96177696 SE1.100.150.75.A.EX.4.51D.B 50 Hz

