



 Date:
 10/11/2020

 h sand flush channels that minimise wear. As

The pump is built with octagonal bearings with sand flush channels that minimise wear. As wear of the pump is inevitable, the pump design allows for easy replacement of all internal wear parts (bearings, impeller, wear rings and seal rings) to maintain high performance and a long lifetime.

The suction interconnector is fitted with a strainer to prevent large particles from entering the pump. The suction interconnector is designed to comply with NEMA standards for motor mounting/dimensions.

## Motor

Description

Qty.

The winding wire is made from pure electrolytic cobber insulated by extruded two layers of PE/PA with high dielectric strength properties allowing direct contact between the motor fluid and winding wire. This ensures the best possible cooling of the winding wire. The PA layer ensures high mechanical wear properties of the winding wire.

The shaft seal faces are SiC/SiC. The material combination gives good performance when abrasive particles (sand) is present. Together with the shaft seal housing, the sand shield forms a labyrinth seal, which during normal operating conditions prevents penetration of sand particles into the shaft seal. This shaft seal is drinking water approved.

The motor can be fitted with a Pt100 or Pt1000 sensor that together with a control unit ensures that the maximum operating temperature conditions are not exceeded.

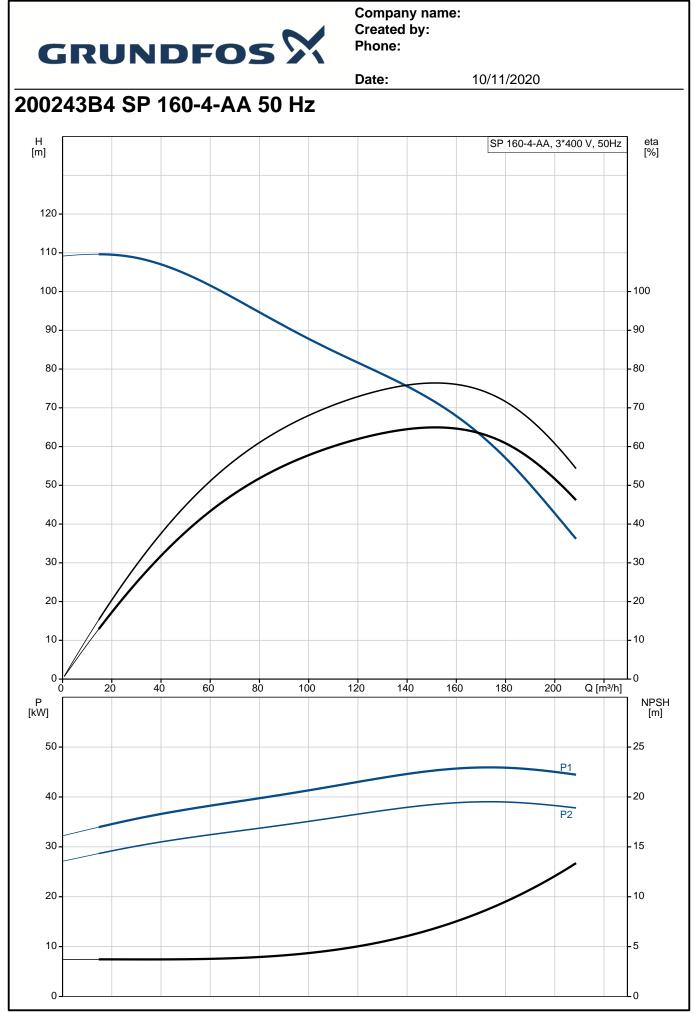
Liquid:

Pumped liquid: Maximum liquid temperature: Max liquid t at 0.15 m/sec: Max liquid t at 0.5 m/sec: Selected liquid temperature: Density:	Water 45 °C 40 °C 45 °C 20 °C 998.2 kg/m <sup>3</sup>		
Technical: Pump speed on which pump dat Rated flow: Rated head: Shaft seal for motor: Curve tolerance: Motor version:	a are based: 2900 rpm 160 m³/h 67 m SIC/SIC ISO9906:2012 3B T45		
Materials:			
Pump: Impeller:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel EN 1.4301 AISI AISI 304		
Motor:	Cast iron DIN WNr. 0.6025 ASTM 35-40		
Installation:			
Pump outlet: Motor diameter:	RP6 8 inch		
Electrical data: Motor type: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Start. method:	MMS8000 45 kW 45 kW 50 Hz 3 x 380-400-415 V 95.5-96.5-96.0 A 560-600-680 % 0.88-0.82-0.80 2900-2910-2920 rpm direct-on-line		

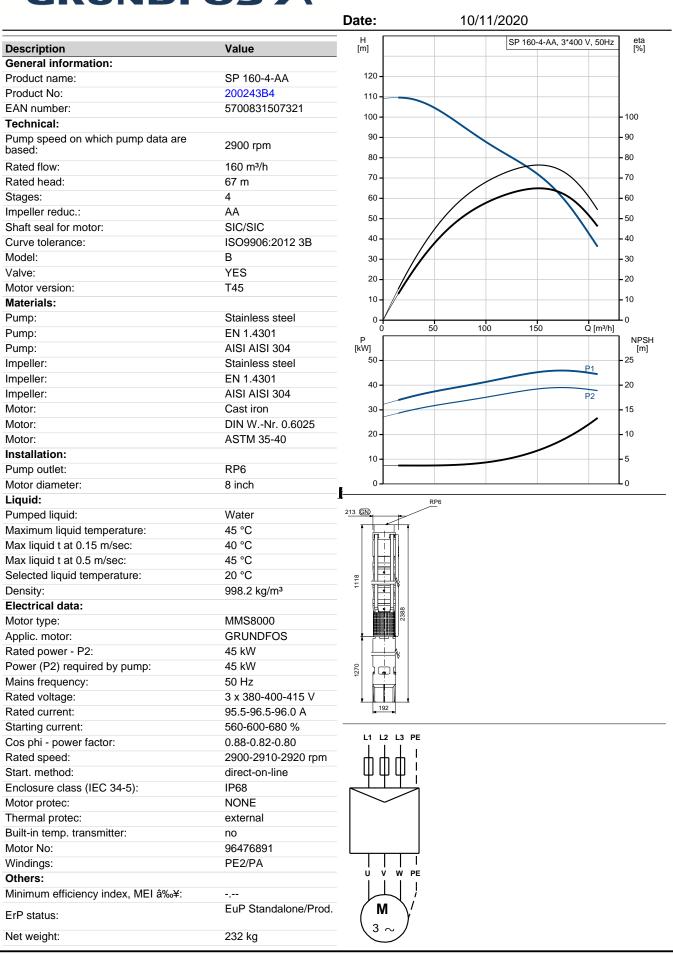


Company name: Created by:

GRUNDF		Date:	10/11/2020		
Description					
Enclosure class (IEC 34-5): Built-in temp. transmitter:	IP68 no				
Motor No:	96476891				
Windings:	PE2/PA				
windings.					
Others:					
Minimum efficiency index, MEI ≥:					
ErP status:	EuP Standalone/	Prod.			
Net weight:	232 kg				
Gross weight:	283 kg				
Shipping volume:	0.393 m <sup>3</sup>				
Country of origin:	GB				
Custom tariff no.:	84137029				







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