

Company name: Created by: Phone:

Description					
SP 160-8-AA					
1	1				
ſ					
-	-				
	+				
	100				
	u -	Note! Product pict	ure may differ from	actual product	
Product No.: 20	0243B8				
Submersible bor	ehole pump, suitat	le for pumping	clean water. Car	be installed vertically or ho	rizontally. All st
components are	made in stainless	steel, EN 1.430	1 (AISI 304), tha	t ensures high corrosive res	istance. This pu
carries drinking v		100000			
The pump is fitte	d with a 92 kW MN aphragm The rewi	/IS8000 motor w	ith sand shield,	water-lubricated journal bea complete access to the win	rings and a volu dings for easy
rewinding. The s	tator windings are	PE/PA insulated	d made for contir	nous operations (S1). Suital	ble for
	to 50 °C. The mot				
The motor is not can be fitted.	fitted with a tempe	rature sensor. I	f temperature mo	onitoring is desired, a Pt100	or Pt1000 sens
	direct-on-line starti	ng (DOL)			
		g (202).			
Further produ	ict details				
The pump is suit	able for applicatior	ns similar to the	following:		
The pump is suit raw-water	able for applicatior	ns similar to the	following:		
The pump is suit - raw-water - irrigation	able for applicatior supply	ns similar to the	following:		
The pump is suit - raw-water - irrigation - groundwa	able for applicatior supply ter lowering	ns similar to the	following:		
The pump is suit - raw-water - irrigation - groundwa - pressure b	able for applicatior supply ter lowering poosting	ns similar to the	following:		
The pump is suit - raw-water - irrigation - groundwa - pressure b	able for applicatior supply ter lowering	ns similar to the	following:		
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface	able for applicatior supply ter lowering poosting pplications. s that are in conta	ct with pumped	liquids are made	in stainless steel which ma	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista	able for applicatior supply ter lowering poosting pplications. s that are in containt. The corrosion of	ct with pumped liagram below s	liquids are made hows the capabi	lities of the pump and motor	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for applicatior supply ter lowering poosting pplications. s that are in conta	ct with pumped liagram below s the concentratio	liquids are made hows the capabi	lities of the pump and motor	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for applicatior supply ter lowering poosting pplications. s that are in containt. The corrosion of	ct with pumped liagram below s the concentratio	liquids are made hows the capabi	lities of the pump and motor	
The pump is suit - raw-water - irrigation - groundwa - pressure t - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentratio	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentratio	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure l - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit raw-water groundwa groundwa pressure I fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit raw-water groundwa pressure I fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion containt. elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit raw-water groundwa groundwa pressure I fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion of elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi	lities of the pump and motor ppm (x-axis).	
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in conta- nt. The corrosion of elsius (y-axis) and	ct with pumped liagram below s the concentration	liquids are made hows the capabi on of chloride in	lities of the pump and motor ppm (x-axis).	in relation to th
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in conta- nt. The corrosion of elsius (y-axis) and EN14	ct with pumped liagram below s the concentration	liquids are made hows the capabi on of chloride in	lities of the pump and motor ppm (x-axis).	in relation to th
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion of elsius (y-axis) and ensite (y-axis) and en	ct with pumped liagram below s the concentration	liquids are made hows the capabi on of chloride in 4000 6000 8000 120 (Nitrile-Butadier	lities of the pump and motor ppm (x-axis).	ood wear
The pump is suit - raw-water - irrigation - groundwa - pressure I - fountain a <b>Pump</b> All pump surface and wear-resista temperature in C	able for application supply ter lowering poosting pplications. s that are in containt. The corrosion of elsius (y-axis) and ensite (y-axis) and en	ct with pumped liagram below s the concentration	liquids are made hows the capabi on of chloride in	lities of the pump and motor ppm (x-axis).	ood wear



Company name: Created by: Phone:

Date: 10/11/2020

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.

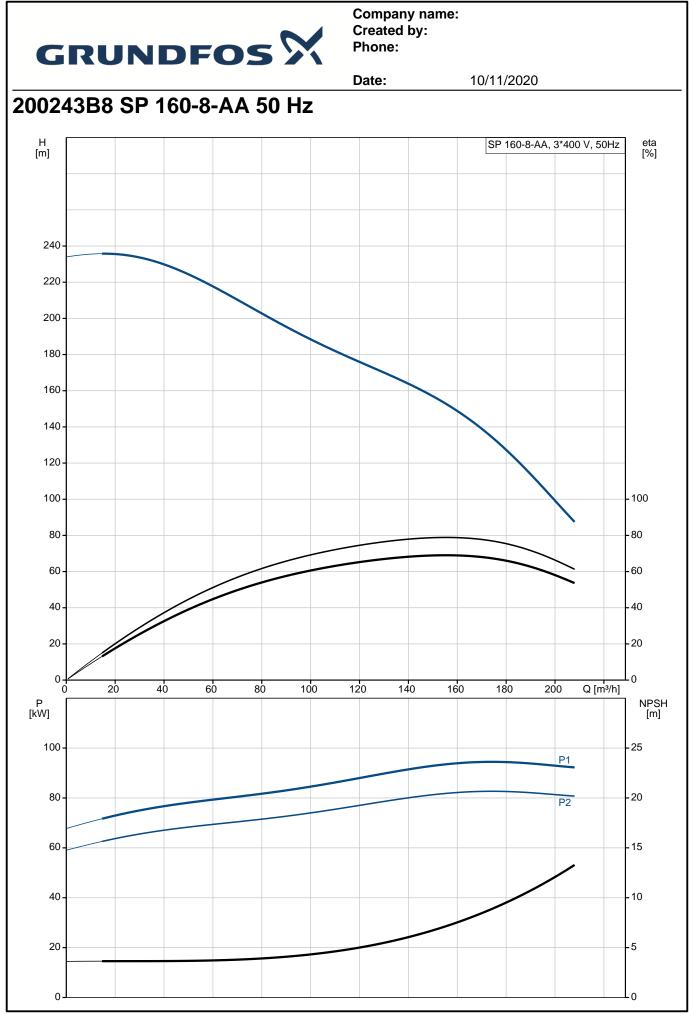
Liquid:

	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 149 m SIC/SIC ISO9906:2012 3B T45
ļ	Materials:	
	Pump:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel
	Motor:	EN 1.4301 AISI AISI 304 Cast iron DIN WNr. 0.6025 ASTM 35-40
	Installation:	
ļ	Pump outlet:	RP6
	Motor diameter:	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 92 kW 92 kW 50 Hz 3 x 380-400-415 V 194-186-186 A 520-590-620 % 0.88-0.86-0.83 2870-2890-2890 rpm direct-on-line



Company name: Created by:

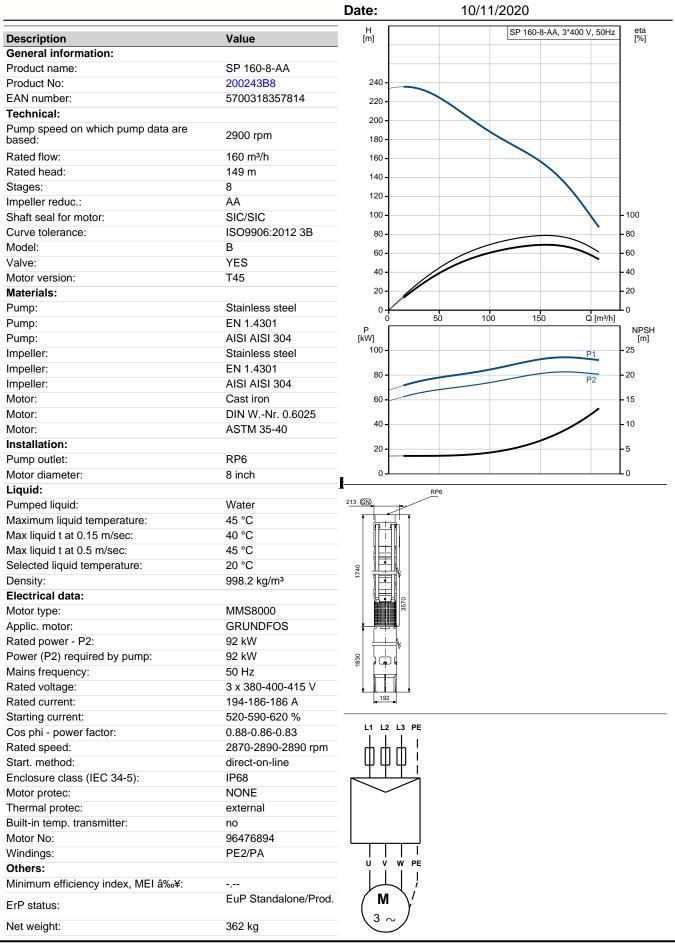
ilt-in temp. transmitter: otor No: ndings: hers: nimum efficiency index, MEI P status: et weight: oss weight: ipping volume:	IP68 no 96476894 PE2/PA I ≥: EuP Standalone/Prod 362 kg	Date:	10/11/2020
nclosure class (IEC 34-5): uilt-in temp. transmitter: otor No: /indings: thers: inimum efficiency index, MEI rP status: et weight: ross weight: hipping volume:	no 96476894 PE2/PA I ≥: EuP Standalone/Prod 362 kg		
uilt-in temp. transmitter: otor No: indings: hers: nimum efficiency index, MEI P status: et weight: ross weight: nipping volume:	no 96476894 PE2/PA I ≥: EuP Standalone/Prod 362 kg		
uilt-in temp. transmitter: lotor No: /indings: linimum efficiency index, MEI rP status: let weight: bross weight: hipping volume: country of origin:	96476894 PE2/PA I ≥: EuP Standalone/Prod 362 kg		
Vindings: hthers: Inimum efficiency index, MEI rP status: let weight: fross weight: hipping volume:	PE2/PA I ≥: EuP Standalone/Prod 362 kg		
others: linimum efficiency index, MEI rP status: let weight: cross weight: hipping volume:	l ≥: EuP Standalone/Prod 362 kg		
linimum efficiency index, MEI rP status: let weight: ross weight: hipping volume:	EuP Standalone/Prod 362 kg		
linimum efficiency index, MEI rP status: let weight: ross weight: hipping volume:	EuP Standalone/Prod 362 kg		
let weight: bross weight: hipping volume:	362 kg		
ross weight: hipping volume:		l.	
ross weight: hipping volume:			
hipping volume:	429 kg		
ountry of origin:	0.529 m <sup>3</sup>		
	GB		
Sustom tariff no.:	84137029		
	01107020		





## Company name: Created by:



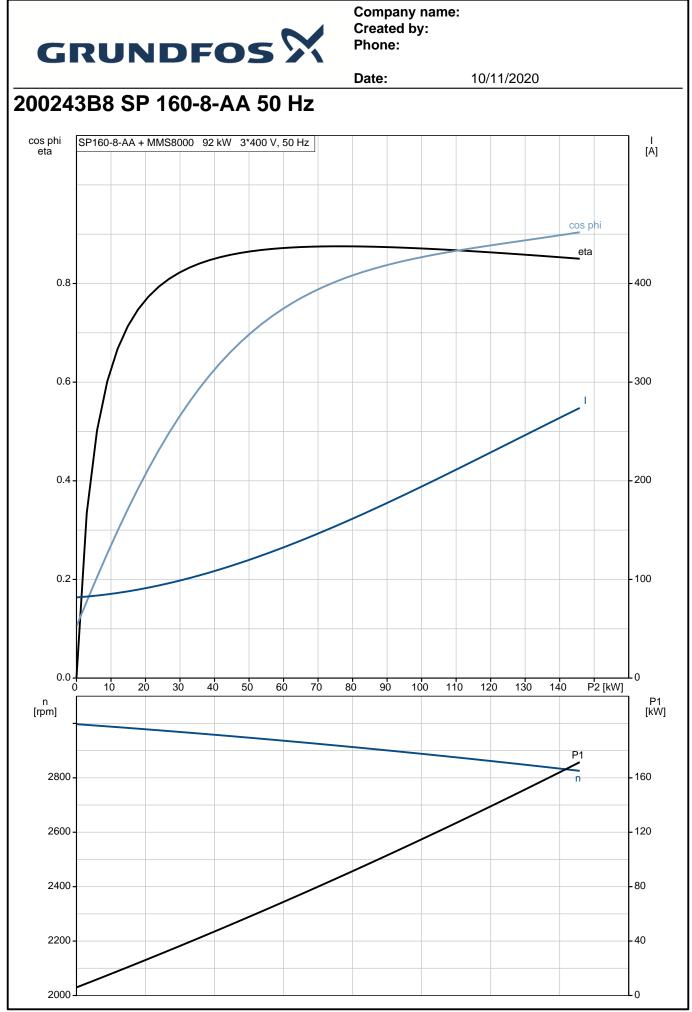


Printed from Grundfos Product Centre [2020.10.020]



Company name: Created by: Phone:

Date:10/11/2020DescriptionValueGross weight:429 kgShipping volume:0.529 m³Country of origin:GBCustom tariff no.:84137029



Printed from Grundfos Product Centre [2020.10.020]

