

_			Date:	10/11/2020
	Description			
	SP 30-49			
	.			
	Product No.: 13A54349	Note! Produ	ct picture may differ fro	m actual product
	1 100001 NO. 10704040			
	Submersible borehole pump, suitab components are made in stainless carries drinking water approval.	le for pump steel, EN 1	ping clean water. C .4301 (AISI 304), th	an be installed vertically or horizontally. All s hat ensures high corrosive resistance. This p
	compensating diaphragm. The rewi	ndable mo	tor contruction allow	l, water-lubricated journal bearings and a vo vs complete access to the windings for easy tinous operations (S1). Suitable for haft seal.
				nonitoring is desired, a Pt100 or Pt1000 ser
1	The motor is for direct-on-line starti	ng (DOL).		
		d for its hig	h efficiency and alr	eady complies with the requirements of the best in class within submersible pumps.
	Pump All pump surfaces that are in contac and wear-resistant. The corrosion of temperature in Celsius (y-axis) and	liagram bel	ow shows the capa	de in stainless steel which makes them corrobilities of the pump and motor in relation to n ppm (x-axis).
	100 - EN 1.4:	100 -		EN 1.4301
	90 -	90 -		
	80 -	80 -		
	70 -	70 -		
	60 - 50 -	60 - 50 -		
	40 -	40 -		
	30 -	30 -		
	20 -	20 -		
		-		
	10 -	10 -		

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Qty. Description

The elastomer parts in the pump are made of NBR (Nitrile-Butadiene Rubber) which ensures good wear resistance and long service intervals.

In case the pump is used for pumping water with high content of hydrocarbons or solvents, Grundfos offers FKM rubber parts (Fluorocarbon) which are oil and temperature-resistant up to 90 °C.

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

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.

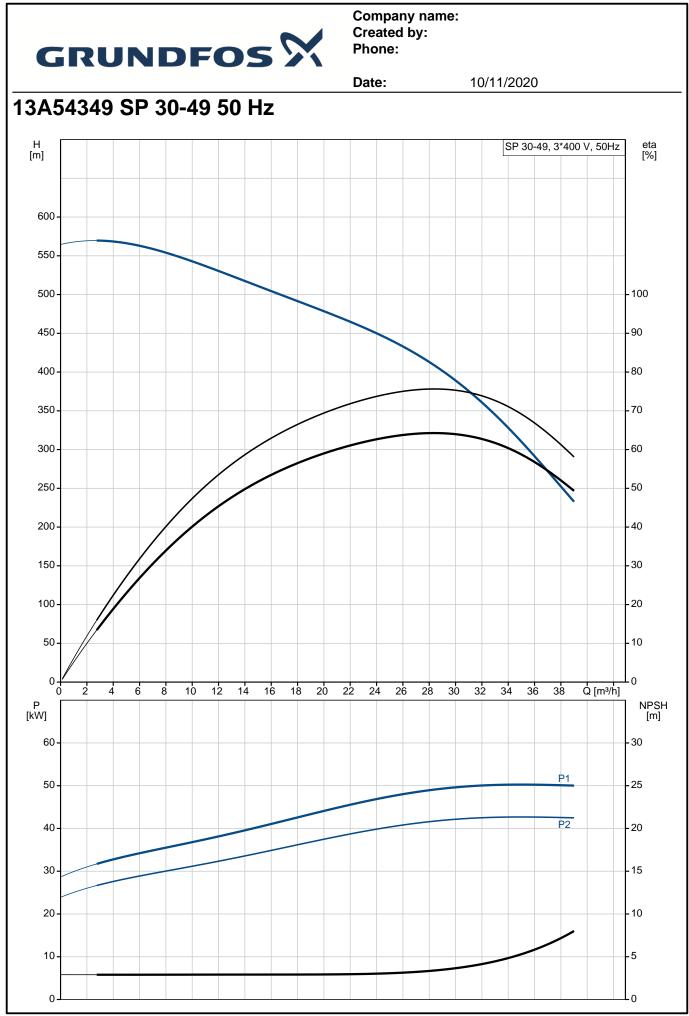
The motor can be fitted with a Pt100 or Pt1000 sensor that together with a control unit ensures that the maximum operating temperature conditions are not exceeded.

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 ³
Technical: Pump speed on which pump dat Rated flow: Rated head: Shaft seal for motor: Curve tolerance: Motor version:	a are based: 2900 rpm 30 m³/h 381 m SIC/SIC ISO9906:2012 3B T45
Materials: Pump: Impeller: Motor:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel EN 1.4301 AISI AISI 304 Cast iron DIN WNr. 0.6025 ASTM 35-40
Installation: Pump outlet: Motor diameter:	R3 8 inch
Electrical data: Motor type: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current:	MMS8000 45 kW 45 kW 50 Hz 3 x 380-400-415 V 95.5-96.5-96.0 A

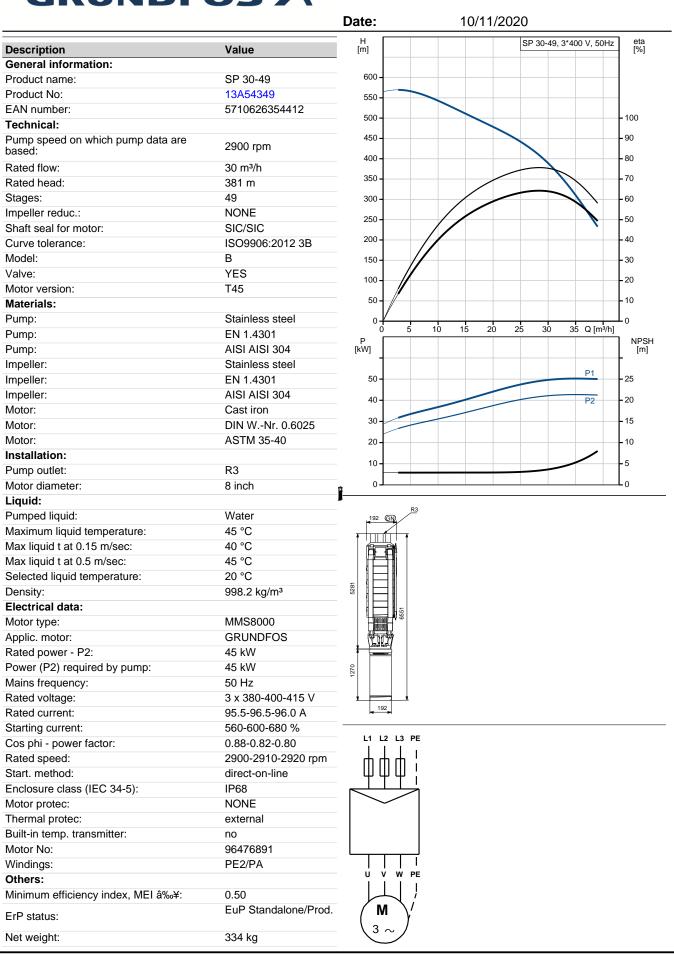


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Description					
Starting curre Cos phi - pov Rated speed Start. method Enclosure cla Built-in temp Motor No: Windings:	ver factor: : ss (IEC 34-5):	560-600-680 % 0.88-0.82-0.80 2900-2910-2920 rpm direct-on-line IP68 no 96476891 PE2/PA			
Others:					
Minimum effi ErP status: Net weight: Gross weight Shipping volu Country of or Custom tariff	ime: igin:	El ≥: 0.50 EuP Standalone/Proc 334 kg 459 kg 1.01 m ³ DK 84137029	L		



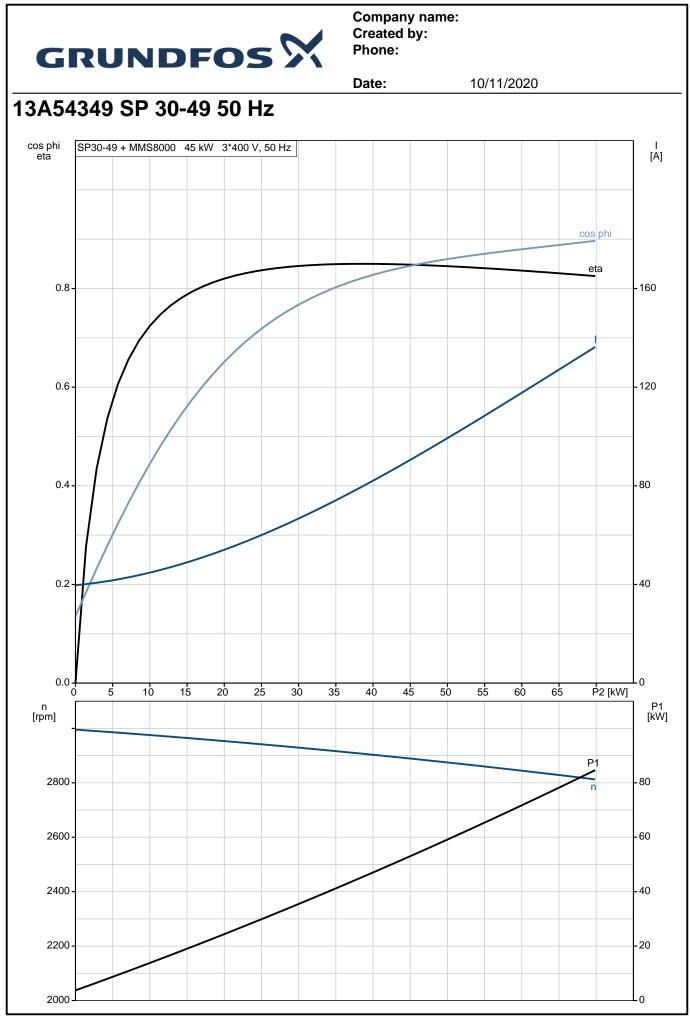




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Date:10/11/2020DescriptionValueGross weight:459 kgShipping volume:1.01 m³Country of origin:DKCustom tariff no.:84137029



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