



DAB PUMPS S. p. A.
Via Marco Polo, 14 - 35035 Mestrino (PD) - ITALY
Tel. +39 049 5125000 - Fax +39 049 5125950
[Http://www.dabpumps.com](http://www.dabpumps.com)

Engeldot Technische Groothandel B.V.

Industrieweg 36
7921 JP Zuidwolde - the Netherlands
Phone 085 - 487 46 04
info@engeldot.nl

-

To the attention of

Verzonden op:

Onderwerp:

Sincerely,

Phone 085 - 487 46 04
Cell.
info@engeldot.nl

Engeldot Technische Groothandel B.V.

		QUOTATION		DAB PUMPS S.p.A. Via Marco Polo, 14 - 35035 Mestrino (PD), Italy Tel. +39 049 5125000 - Fax +39 049 5125950 www.dabpumps.com	
06/08/2022		Pagina 2 / 9			
Receiver		From			
Society Reference Address Phone Fax E-mail		Engeldot Technische Groothandel B.V. Industrieweg 3f 085 - 487 46 04 info@engeldot.nl			
Pos. nr	Art.-nr.	Omschrijving	Aant.	idsprijs / EUR	lijstprijs / EUR
1		SS6 (Q= H=)			
1.1	60167272	Centrifugal pump: SS6E10 SS6E10 TECHNICAL DATA Flow rate maximum: Up to 75 m3/h Head up to: 670 m Maximum immersion depth: Depending on the motor Type of pumped liquid: Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral. The version in AISI 316 stainless steel is also suitable for aggressive solutions and/or salt water. Amount of sand supported: 50 g/m3 Liquid temperature range: From 0°C to +50°C (depending on the motor) Flanges, thread: SS6A and SS6B: 2 1/2" SS6C: 3" SS6D, SS6E: 4" Pump maximum diameter: 132 mm (167 mm for the version with high number or impeller) Impeller/s material: Pressed AISI 304 stainless steel Maximum number of starts: Depending on the motor Protection class: IP 68 Motor insulation class: Depending on the motor Single phase power input: 230 V 50 Hz up to 10 HP (4" version) Three phase power input: 3x230 V 50 Hz / 3x400 V 50 Hz Power cable (m) and plug: Depending on the motor (all the motor are without the power plug) Possible type of installation: Fixed in vertical position. Horizontal installation permitted by removing the non-return valve and installing a cooling jacket (check the applicability of the motor for horizontal use in the dedicated section) Special versions on request: Molded AISI 316 stainless steel construction (impellers and pump body) for aggressive water applications, delivery ports with NPT standard 6" semi axial multi-impeller submersible pump in molded AISI 304 or AISI 316 stainless steel, designed for pressurization, lifting water from underground, gardening and irrigation in commercial building service and irrigation also in agriculture. Construction features of the pump Diffusers, impellers, supports, delivery and suction made entirely of pressed AISI 304 stainless steel or AISI 316. Impellers balanced and keyed to the shaft with a conical coupling, specially developed to guarantee: easy assembly, avoid malfunctions due to vibrations during rotation and reduce operating noise. Shaft driven by water lubricated bearings. The diffuser geometry facilitates the expulsion of sand particles with the pumped liquid and limits the infiltration of water between the stage. Integrated non-return valve to reduce localized pressure drops. Stainless steel filter applied to the suction mouth to prevent the entry of dissolved solid bodies. Delivery port threaded according to the GAS standard. Different types of impeller are available to guarantee the best efficiency at different flow rates and models up to 60 impellers to cover a wide range of heads. Construction features of the motor Coupling with 4" or 8" motors depending on the power required by the hydraulic system: 4GG: 4" submersible encapsulated motor 4OL: 4" submersible oil-bath motor 6GF: 6" submersible encapsulated motor TR6: 6" submersible rewindable motor TR8: 8" submersible rewindable motor For operation with the variable frequency drive, refer to the specifications of the coupled motor. For hydraulic systems in AISI 316 stainless steel, we recommend coupling with motors made of AISI 316 or DUPLEX stainless steel (check availability of the selected model).	1	Pr. op aanvr.	Pr. op aanvr.
1.2	0625000	Motor: 6GF 18,5 kW 400/50 460/60 T DIR	1	Pr. op aanvr.	Pr. op aanvr.
			Totaal	Pr. op aanvr.	
MAIN_PROJECT_TITLE		BUSINESS_PROCESS_IT	OWNER_	ISSUE_DATE 06/08/2022	LAST_MODI_DATE 06/08/2022

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Pump model: SS6E10
Hydraulic Part Code : 60167272
6GF 18,5 kW 400/50 460/60 T DIR
Motor Code : 0625000
Inverter application : Allowed - min. 30Hz

Pump data

MEI $\geq 0,40$
P2 nominal requested : 18,5 kW
Min. fluid temperature : 0 °C
Max. fluid temperature : 30 °C
Max. Permitted amount of sand : 50 g/m3

Requested data

Flow :
Head :
Fluid : Water
Fluid Temperature : 20 °C
Density: 998,3 kg/m³
Kinematische viscositeit: 1,005 mm²/s
Dampspanning: 0,00234 MPa

Hydraulic data (duty point)

Flow :
Head :
Efficiency :
NPSH :

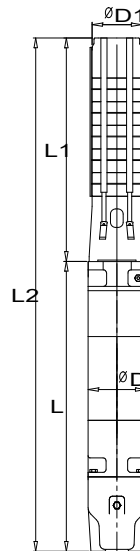
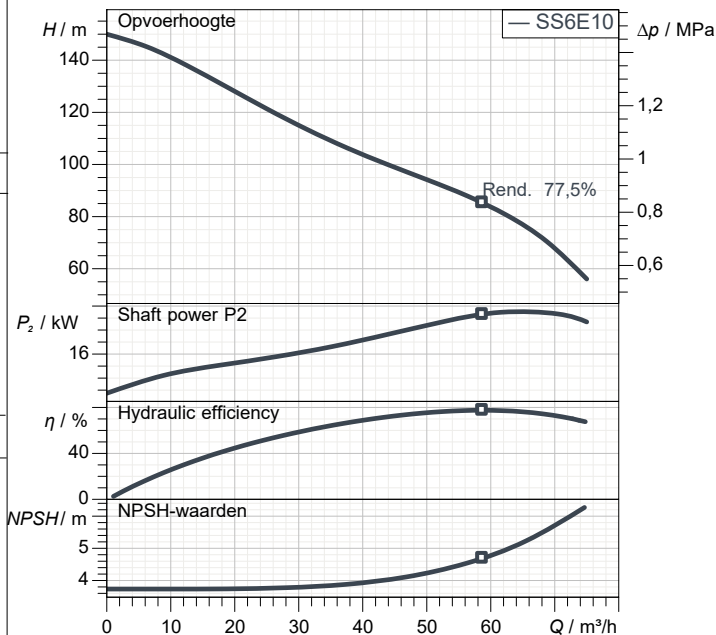
Materials

Impeller Stainless Steel AISI 304 L
Suction case Stainless Steel AISI 304 L
Pump shaft AISI 420
Filter Stainless Steel AISI 304 L
Tie rod Stainless Steel AISI 304 L
Non-return valve Stainless Steel AISI 304
Diffuser Stainless Steel AISI 304 L

Motor data

Merk : TESLA
Nominal power P2: 18,5 kW
Rated voltage : 3~ 400 V 50 Hz
Nominal current : 41 A
Number of poles : 2
Rated speed: 2.845 1/min
Degree of protection : IP 68

Curve tolerance according to ISO 9906



Gewicht: 100 kg

Dimension mm

D	141				
D1	144				
L	861				
L1	1.390				
L2	2.251				

Pump connection

Discharge side 4 " G

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Motor Code :

0625000

Motor :

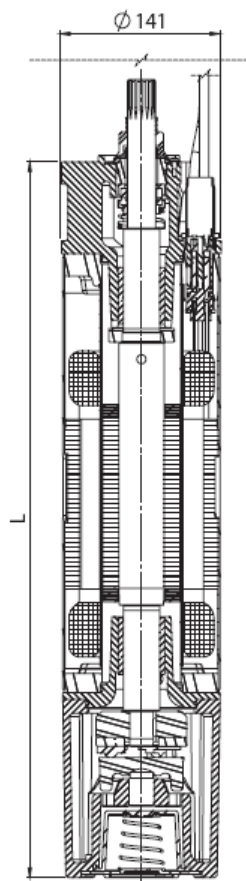
6GF 18,5 kW 400/50 460/60 T DIR

Materials

Internal sleeve and outer casing	Stainless Steel AISI 304 L
Shaft extension	Stainless Steel AISI 316
Upper support	Painted cast iron
Mechanical seal	Carbon/Ceramic
Gasket	NBR
Lower support	Painted cast iron
Lower cover	Stainless Steel AISI 304
Bellow seal	EPDM
Thrust bearings	Stainless steel-Graphite
Valve	Brass
Cable	EPDM
Connector plug	Stainless Steel AISI 316
Sand guard (fixed-mobile)	NBR
Screws	Stainless Steel AISI 304
Coolant	Antifreeze+Water

Motor data

Merk :	TESLA
Nominal power P2:	18,5 kW
Rated voltage :	3~ 400 V 50 Hz
Nominal current :	41 A
Number of poles :	2
Rated speed:	2.845 1/min
Degree of protection :	IP 68
Inverter application :	Allowed - min. 30Hz
Power factor :	0,8
Efficiency :	83 %
Cable section Ø mm² :	4x6
Cable length m :	4
Cooling flow :	min. 0,3 m/s at 35°C



Gewicht: 68,5 kg

Dimension mm



DERATING

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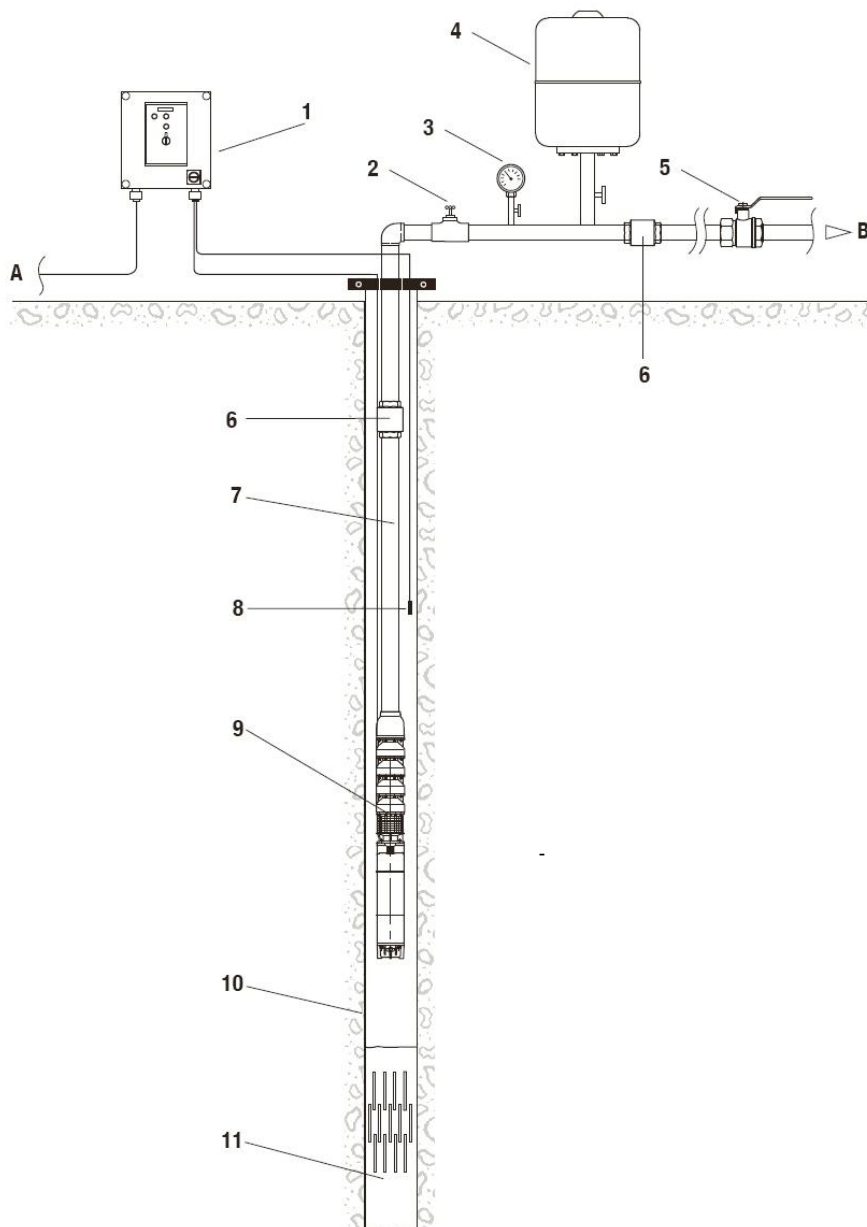
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Installation example without inverter



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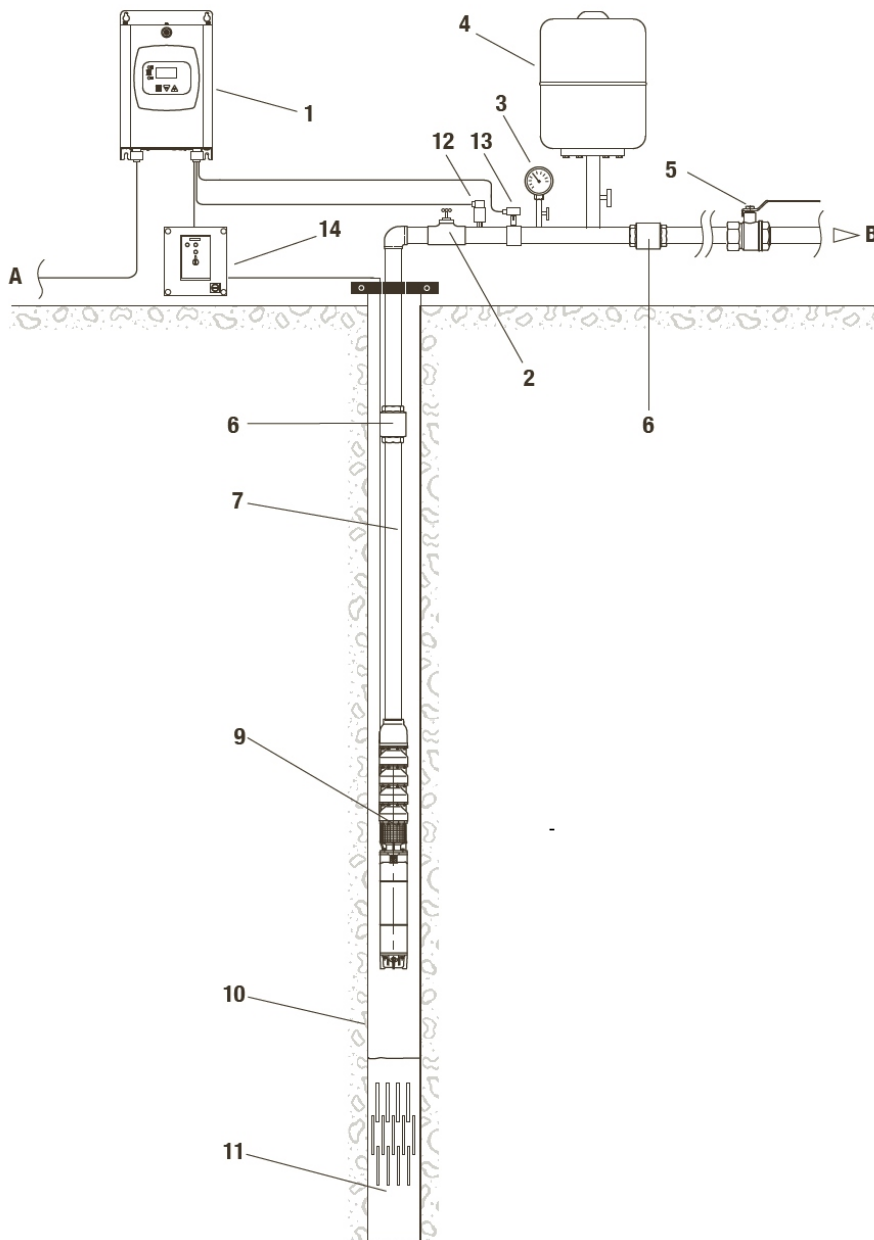
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Installation example with inverter





PERFORMANCE CURVES

06/08/2022

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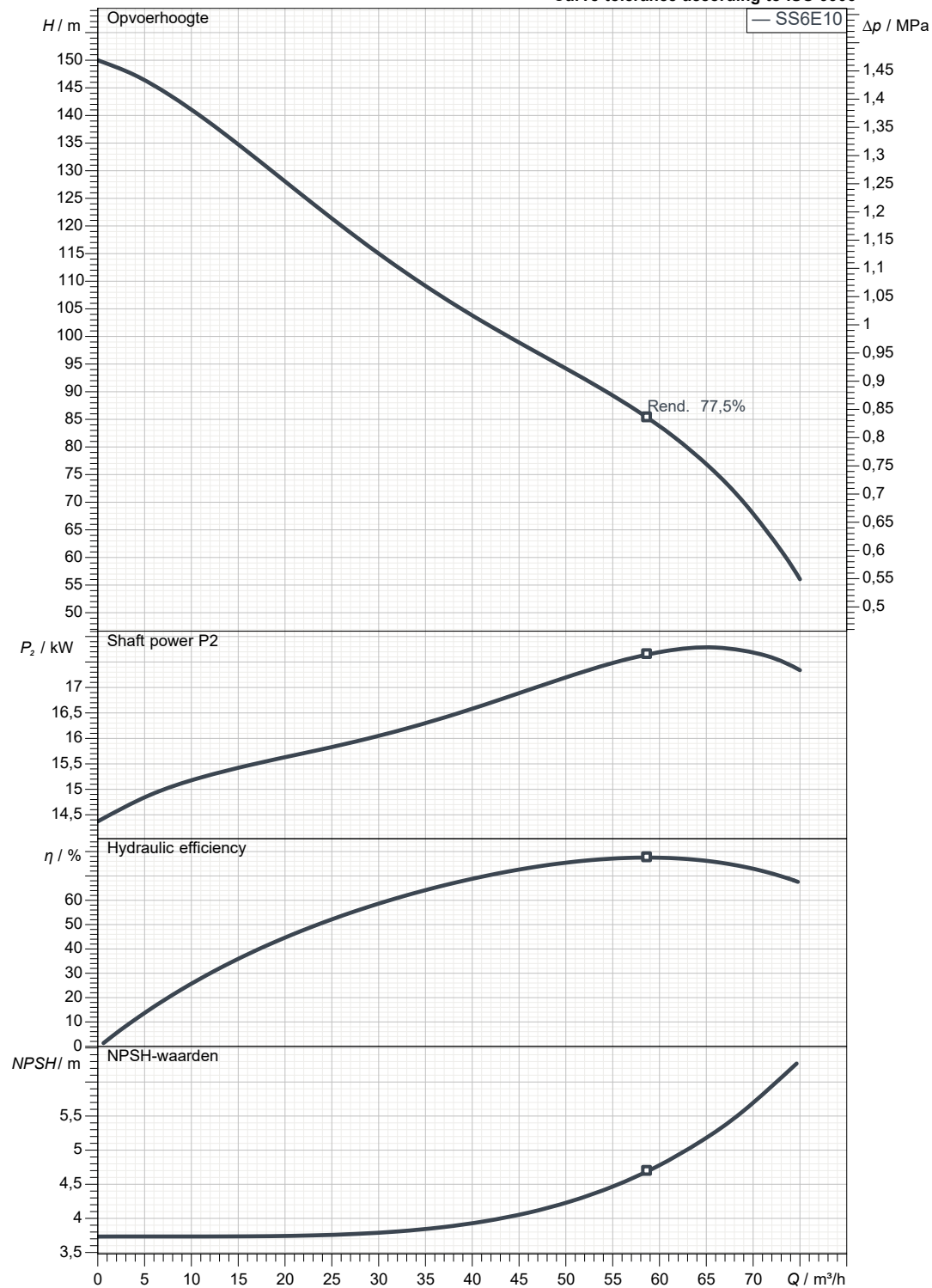
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SS6E10

Curve tolerance according to ISO 9906



Hydraulic data (duty point)

Discharge side 4" G	Flow :	Head :	Rated speed: 2.845 1/min
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DIMENSIONAL DRAWING

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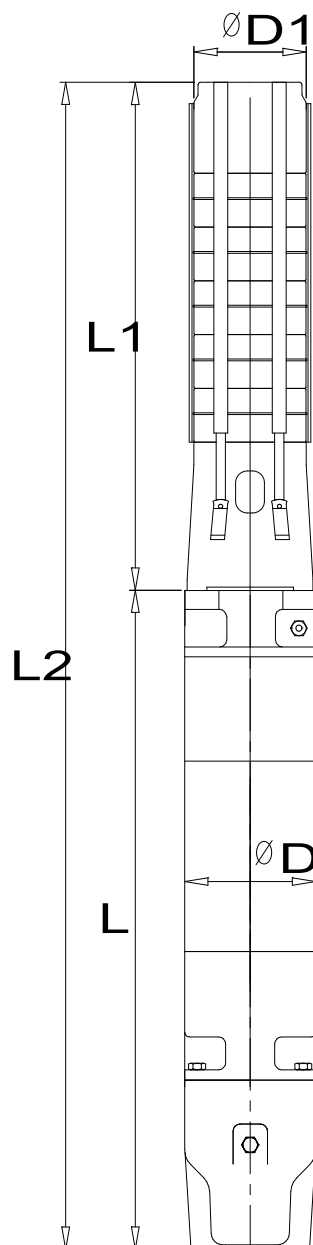
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SS6E10



Dimensions in mm

Pump connection

1	D	141							
2	D1	144							Suction
3	L	861							
4	L1	1.390							
5	L2	2.251							
6									
7									Discharge
8									4 " G
9									--
10									
11									
12									

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