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

-

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

-

To the attention of

Verzonden op:

Onderwerp:

Sincerely,

Phone
Cell.

Engeldot Technische Groothandel

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver	From
Company	Engeldot Technische Groothandel
Reference	
Address	Industrieweg 3€
Phone	
Fax	
E-mail	

Pos. nr	Art.-nr.	Omschrijving	Aant.	ɐeidsprijs / EUR	ɜ lijstprijs / EUR
1		**SS8 (Q= H=)**			
1.1	60168105	Centrifugal pump: SS8A5 SS8A5 TECHNICAL DATA Performance range: flow up to 210 m3/h and max head of 555 m Max. quantity of sand/silt: 50g/m3 Max. ambient temperature: 30°C (50°C available on request) Outlet connection diameter (inside threaded): 6" Nr of starts: refer to the motor specification Motor Cooling flow: refer to the motor specification Installation: horizontal or vertical, refer to the motor specification APPLICATIONS Multistage mixed-flow borehole electric pumps, completely made in stainless steel (AISI 304L or AISI 316 on request), usable for wells from a minimum diameter equal to pump size or greater and capable of developing a wide range of Flows and Heads. These pumps can be used in a wide range of lifting, distributing, and pressuring application: domestic and general water supply; sprinkler and drip irrigations systems; fire-fighting installations; lowering of groundwater level; industrial supplies as mining, hot springs, autoclaves and tanks. These pumps are suitable both for standard water and for aggressive water applications by choosing the proper manufacturing material (AISI 304L or AISI 316) both for hydraulic part and motor. Special version of motors with PE2+PA windings can be used on request for high-temperature water applications up to maximum 50°C. Pumps can be installed both vertically and horizontally simply by removing the non-return valve and adding a cooling sleeve to the suction case (the only remark is to check the motor applicability to horizontal operations, refer to the motor specifications section). CONSTRUCTION FEATURES OF PUMP Mixed flow pumps with diffusers, impellers, brackets, suction case and discharge case completely made of stainless steel AISI 304 in order to provide maximum strength, durability, wear and tear resistance. The impellers are balanced and locked to the shaft with a specially shaped collet and nut coupling, in order to guarantee ease-to-assembly feature and avoid vibration sensitive malfunctions and noise increase during rotation. Rubber bearings that drive the shaft are water lubricated and have sand channels to make enable the sand particles leave the pump with the pumped liquid (maximum permissible sand content 50 gr/m3). Built-in non returned valve provided in order to minimize local friction losses. Stainless steel strainer provided in order to prevent particles over a certain size from entering the pump. Coupling with 6", 8" or 10" motor depending on the power requested by hydraulic part: - 6GF: 6" canned submersible motor - TR6: 6" rewindable submersible motor - TR8: 8" rewindable submersible motor - TR10: 10" rewindable submersible motor For inverter application refer to the detailed motor specification ON REQUEST: - Pump body stainless steel AISI 316 for aggressive water application - Impellers stainless steel AISI 316 - Motors in full stainless steel AISI 316 for aggressive water application - Star/Delta starting version - Special version of the motor for high temperature application - Non-standard power coupling	1	Pr. op aanvr.	Pr. op aanvr.
1.2	0650000	Motor: 6GF 37 kW 400/50 460/60 T DIR	1	Pr. op aanvr.	Pr. op aanvr.

Totaal **Pr. op aanvr.**

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

Company
Reference
Address
Phone
Fax
E-mail

From

Engeldot Technische Groothandel

Industrieweg 3

Customer pos. no.:

Pump model: SS8A5

Hydraulic Part Code : 60168105

6GF 37 kW 400/50 460/60 T DIR

Motor Code : 0650000

Inverter application : Allowed - min. 30Hz

Pump data

P2 nominal requested :	37 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 piont)

Flow :	
Head :	
Efficiency :	
NPSH :	
P2 nominal requested :	

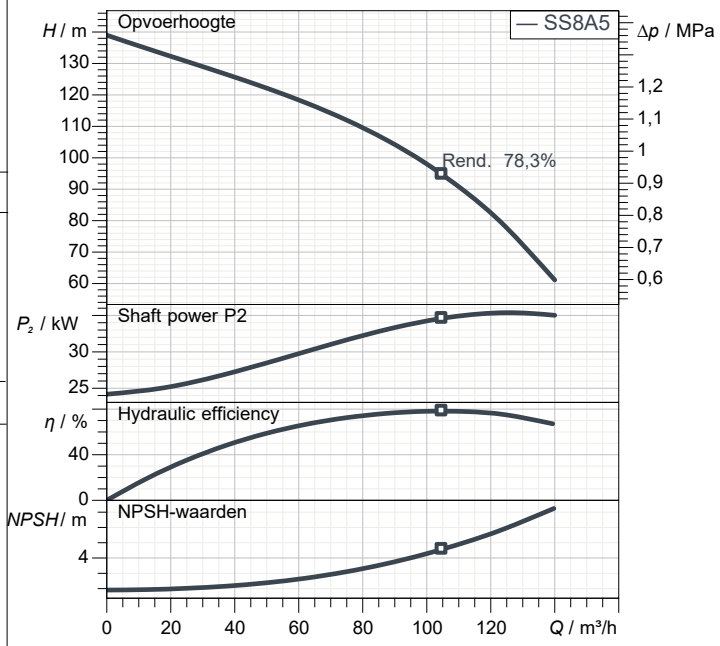
Materials

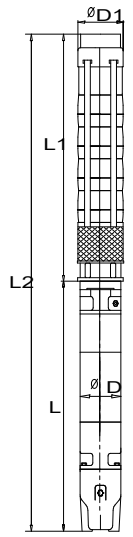
Impeller	Stainless Steel AISI 304 L
Suction case	Stainless Steel AISI 304 L
Pump shaft	AISI 420
Filter	Stainless Steel AISI 304 L
Tie rod	Stainless Steel AISI 304 L
Non-return valve	Stainless Steel AISI 304
Diffuser	Stainless Steel AISI 304 L

Motor data

Merk :	TESLA
Nominal power P2:	37 kW
Rated voltage :	3~ 400 V 50 Hz
Nominal current :	79,3 A
Number of poles :	2
Rated speed:	2.820 1/min
Degree of protection :	IP 68

Curve tolerance according to ISO 9906





Gewicht: 159 kg

Dimension mm

D	141				
D1	213				
L	1.181				
L1	1.309				
L2	2.490				

Pump connection

Discharge side 6 " G

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver		From	
Company			Engeldot Technische Groothandel
Reference			
Address			Industrieweg 3(
Phone			
Fax			
E-mail			

Motor Code :

0650000

Motor :

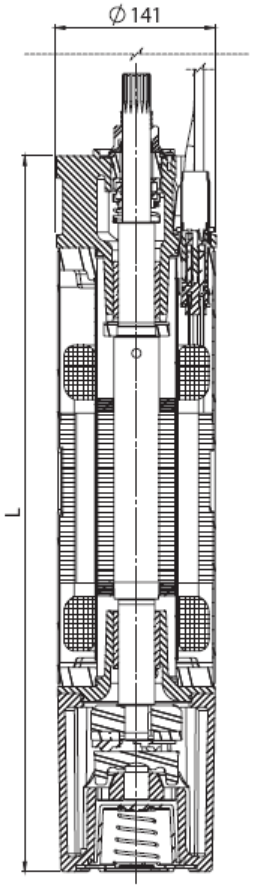
6GF 37 kW 400/50 460/60 T DIR

Materials

Internal sleeve and outer casing	Stainless Steel EN 1.4307 - AISI 304L
Shaft extension	Stainless Steel EN 1.4401 - AISI 316
Upper support	Cast iron EN 0.6020 + cataphoresis coating
Mechanical seal	Carbon/Ceramic
Gasket	NBR
Lower support	Cast iron EN 0.6020 + cataphoresis coating
Bushings	Graphite
Bellow seal	EPDM
Thrust bearings	Stainless steel-Graphite
Valve	Brass EN 12165
Cable	Flat - 07XBH2-F
Connector plug	Stainless Steel EN 1.4301 - AISI 304
Sand guard (fixed-mobile)	NBR
Screws	Steel A2-70 - AISI 304
Coolant	Water + Glycol

Motor data

Merk :	TESLA
Nominal power P2:	37 kW
Rated voltage :	3~ 400 V 50 Hz
Nominal current :	79,3 A
Number of poles :	2
Rated speed:	2.820 1/min
Degree of protection :	IP 68
Inverter application :	Allowed - min. 30Hz
Power factor :	0,84
Efficiency :	82 %
Cable section Ø mm² :	4x8
Cable length m :	4
Cooling flow :	min. 0,3 m/s at 35°C



Gewicht: 101,6 kg

Dimension	mm
D	141
D1	213
L	1.181
L1	1.309
L2	2.490

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

Company
Reference
Address
Phone
Fax
E-mail

From

Engeldot Technische Groothandel

Industrieweg 3

Motor Code : 0650000 6GF 37 kW 400/50 460/60 T DIR

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

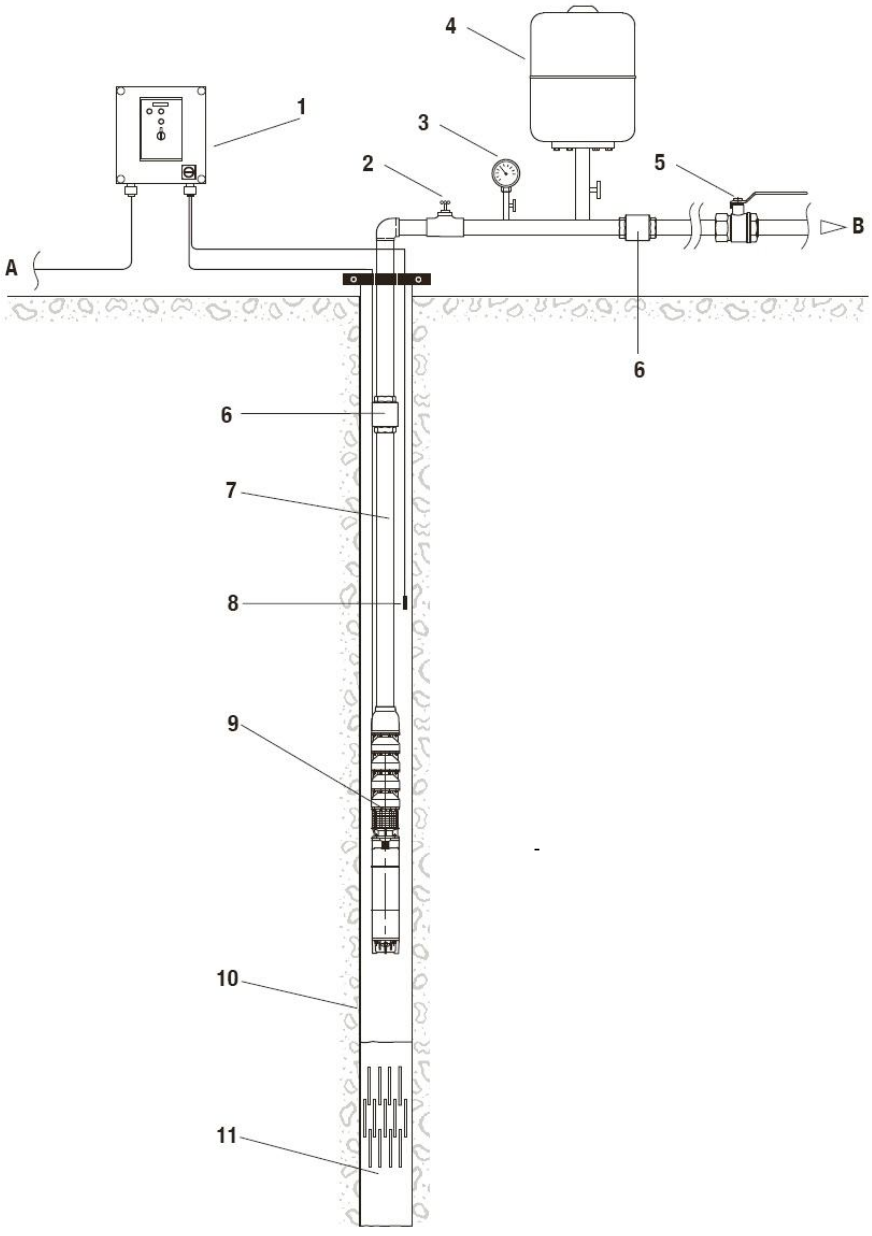
Company
Reference
Address
Phone
Fax
E-mail

From

Engeldot Technische Groothandel

Industrieweg 3

Installation example without inverter



DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

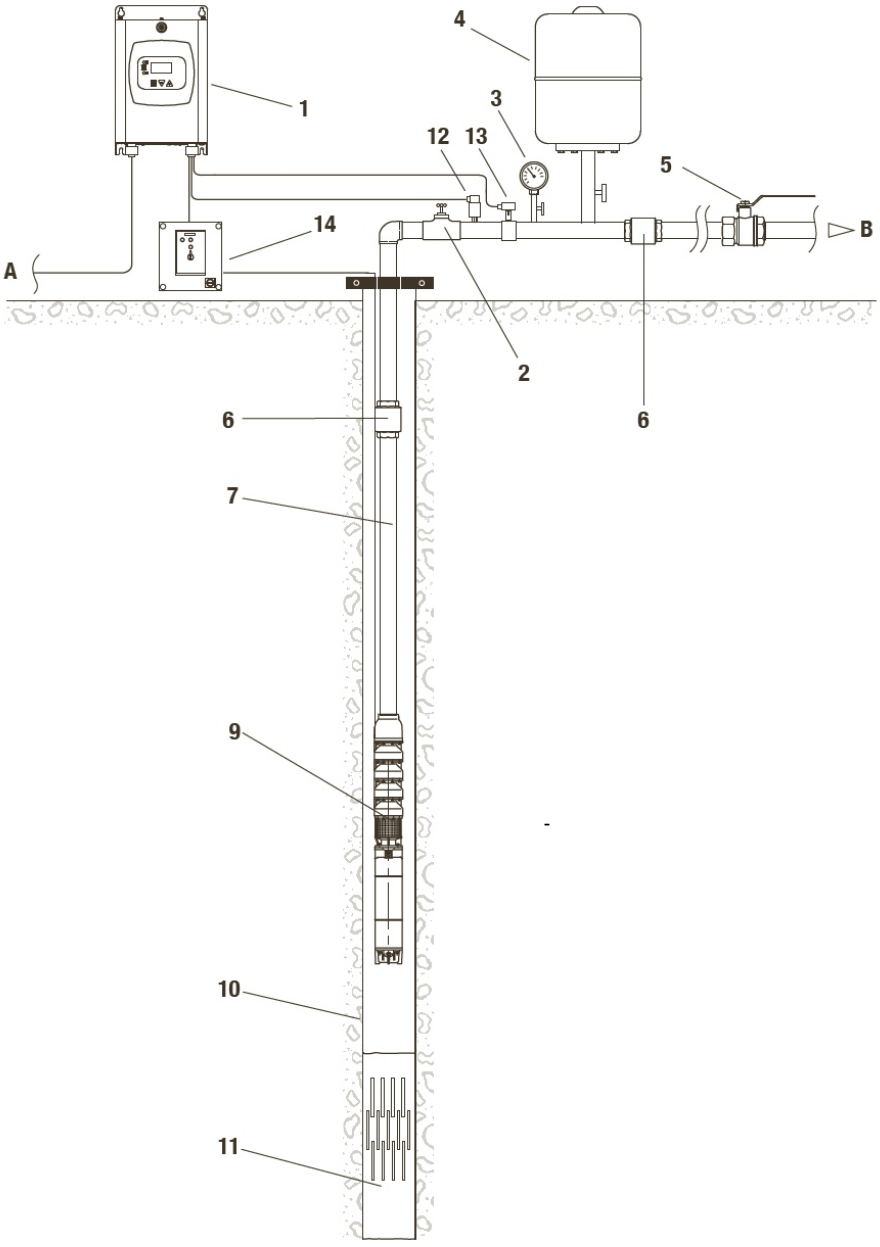
Company
Reference
Address
Phone
Fax
E-mail

From

Engeldot Technische Groothandel

Industrieweg 3

Installation example with inverter

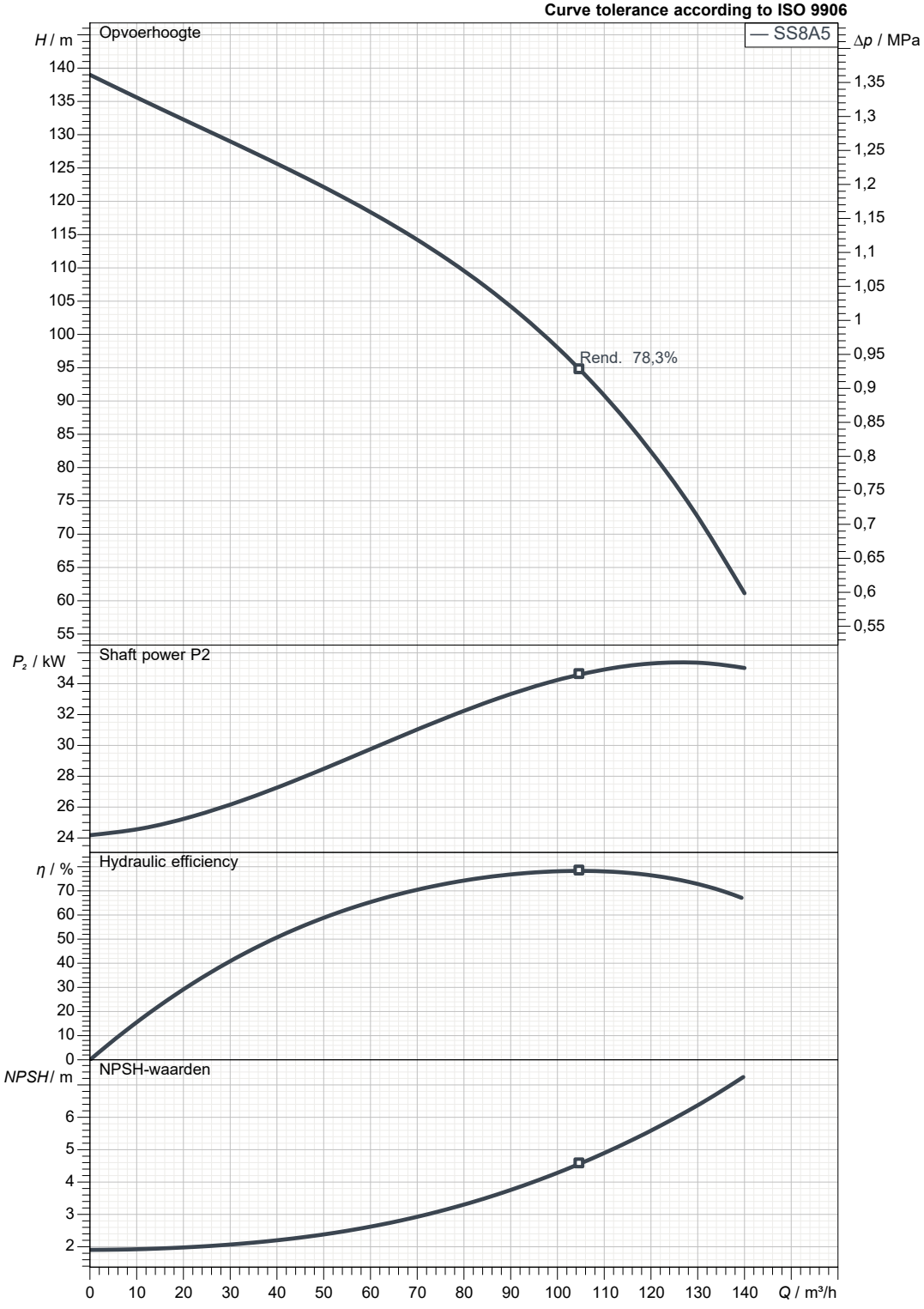


DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver		From	
Company			Engeldot Technische Groothandel
Reference			
Address			Industrieweg 3(
Phone			
Fax			
E-mail			

SS8A5

Curve tolerance according to ISO 9906



Hydraulic data (duty piont)

Discharge side	Flow :	Head :	Rated speed:
6 " G			2.820 1/min
MAIN_PROJECT_TITLE	BUSINESS_PROCESS_I(	OWNER_	ISSUE_DATE **01/22/2024**

DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

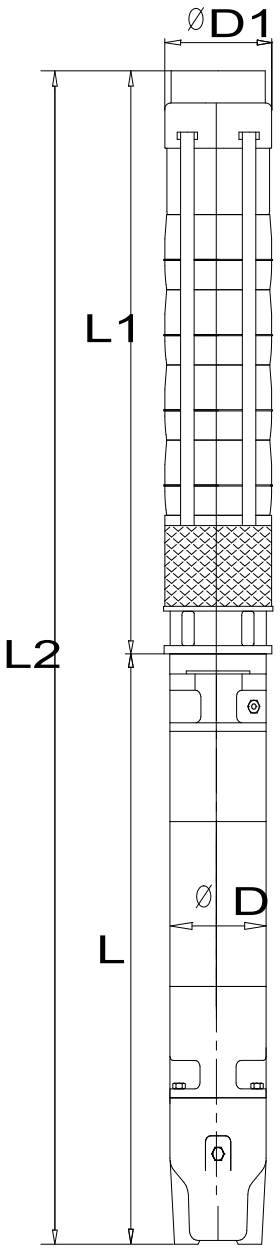
Company
Reference
Address
Phone
Fax
E-mail

From

Engeldot Technische Groothandel

Industrieweg 3

SS8A5



Dimensions in mm							Pump connection
1	D	141					Suction
2	D1	213					
3	L	1.181					
4	L1	1.309					
5	L2	2.490					
6							
7							Discharge
8							6 " G
9							--
10							
11							
12							

MAIN_PROJECT_TITLE	BUSINESS_PROCESS_ID	OWNER_	ISSUE_DATE
			01/22/2024