

Receiver

From

Company
Reference
Address
Phone
Fax
E-mail

Item n° :

60190914

Customer pos. no.:

Model :

S4 12/18 T 400 V 4OL AMEIRA

Inverter application :

Allowed - min. 30Hz

Pump data

MEI $\geq 0,4$

P2 nominal requested :

3 kW

Min. fluid temperature :

0 °C

Max. fluid temperature :

40 °C

Max. Permitted amount of sand :

150 g/m3

Requested data

Flow :

Head :

Fluid :

Water

Fluid Temperature :

20 °C

Density :

998.3 kg/m³

Kinematic viscosity :

1.005 mm²/s

Vapor pressure :

2.34 kPa

Hydraulic data (duty point)

Flow :

Head :

Materials

Lower support

Precision Cast Steel AISI 304

Impeller

Technopolymer

Diffuser

Technopolymer

Screws

Stainless Steel AISI 304

Cable sheath

Stainless Steel AISI 304

Shaft with coupling

Stainless Steel AISI 304

Delivery port

Precision Cast Steel AISI 304

Motor data

Motor type :

4OL

Nominal power P2 :

3 kW

Rated voltage :

3~ 400 V

50 Hz

Nominal current :

7.5 A

Number of poles :

2

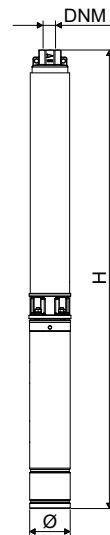
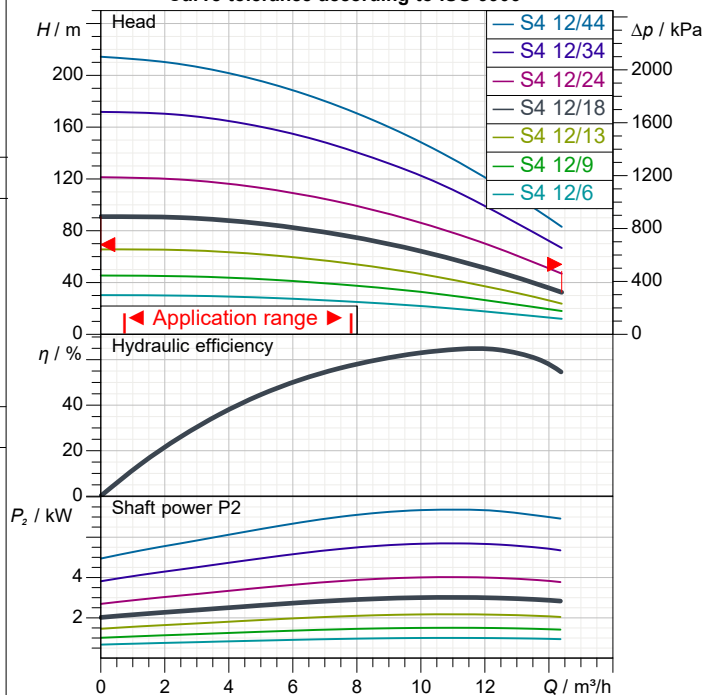
Rated speed :

2840 1/min

Degree of protection :

IP 68

Curve tolerance according to ISO 9906



Weight :

26.4 kg

Dimensions in

mm

H	1685				
Ø	99				

Pump connection

Suction side :

/

Discharge side :

2 " G-F

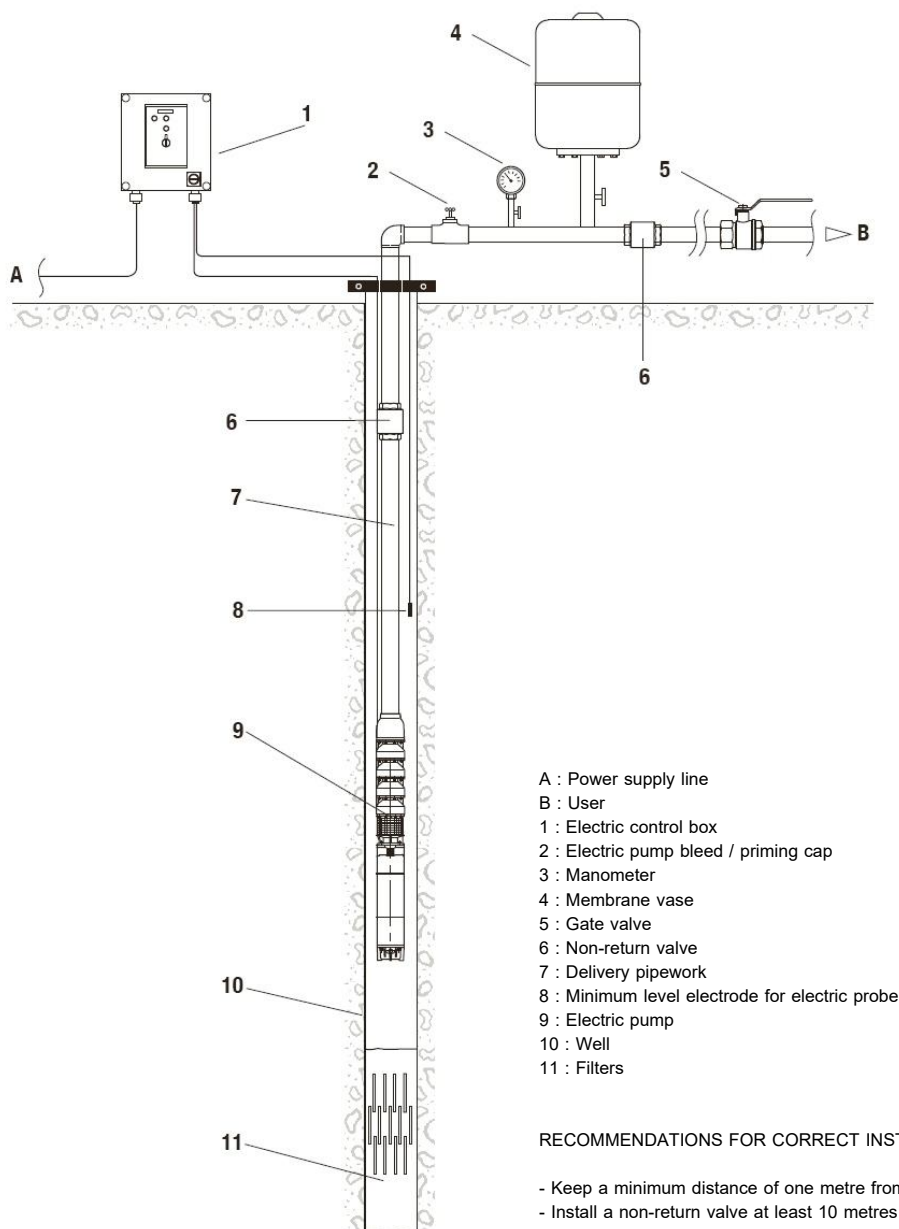
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Installation example without inverter



RECOMMENDATIONS FOR CORRECT INSTALLATION

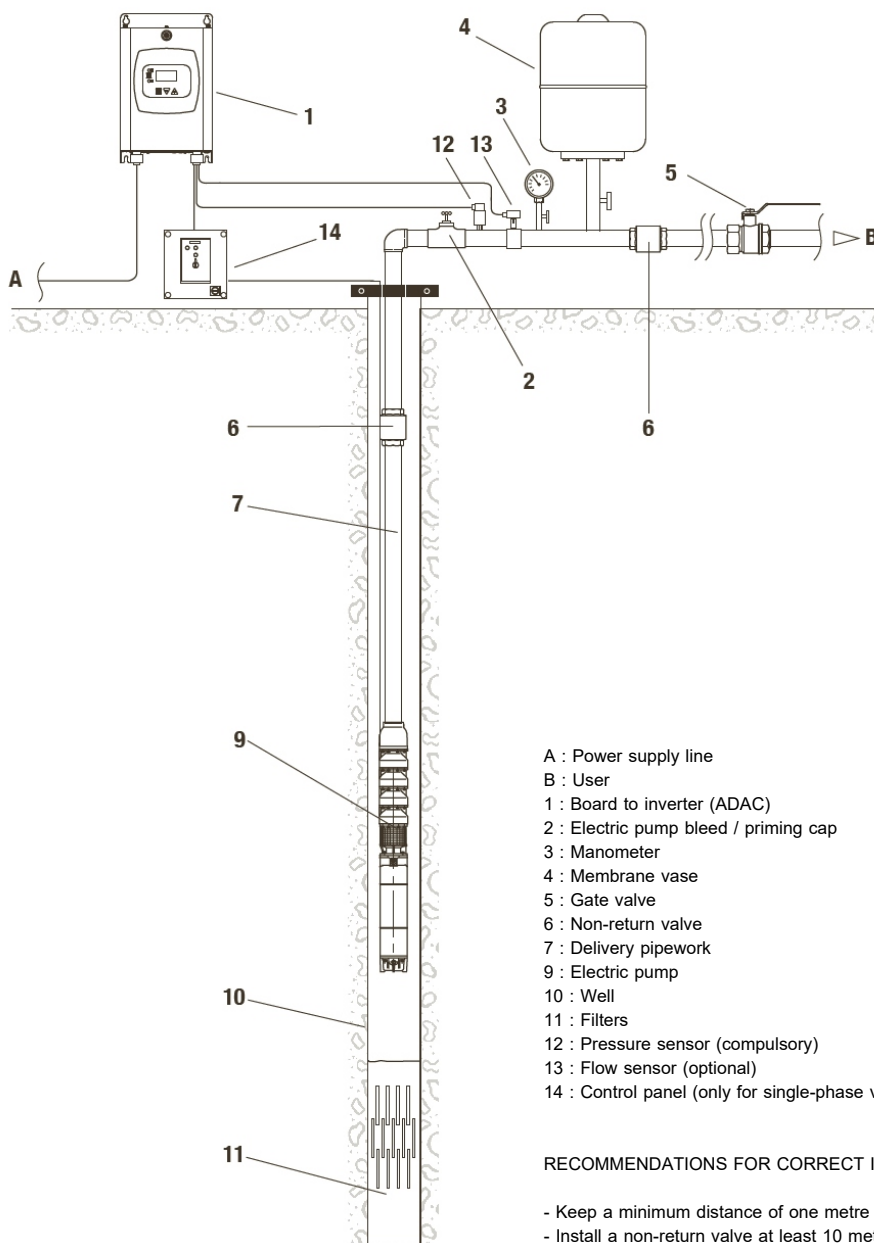
- Keep a minimum distance of one metre from the bottom of the well.
- Install a non-return valve at least 10 metres from the delivery outlet of the pump.
- Install further non-return valves at 30-40 metre intervals.
- Ensure a minimum cooling flow around the motor during operation (for further information refer to the motor technical data sheet).
- Ensure that the dynamic level of the water in the well is at least one metre above the pump delivery

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Installation example with inverter



- A : Power supply line
B : User
1 : Board to inverter (ADAC)
2 : Electric pump bleed / priming cap
3 : Manometer
4 : Membrane vase
5 : Gate valve
6 : Non-return valve
7 : Delivery pipework
9 : Electric pump
10 : Well
11 : Filters
12 : Pressure sensor (compulsory)
13 : Flow sensor (optional)
14 : Control panel (only for single-phase version, for capacitor housing)

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PERFORMANCE CURVES

2024-04-11

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

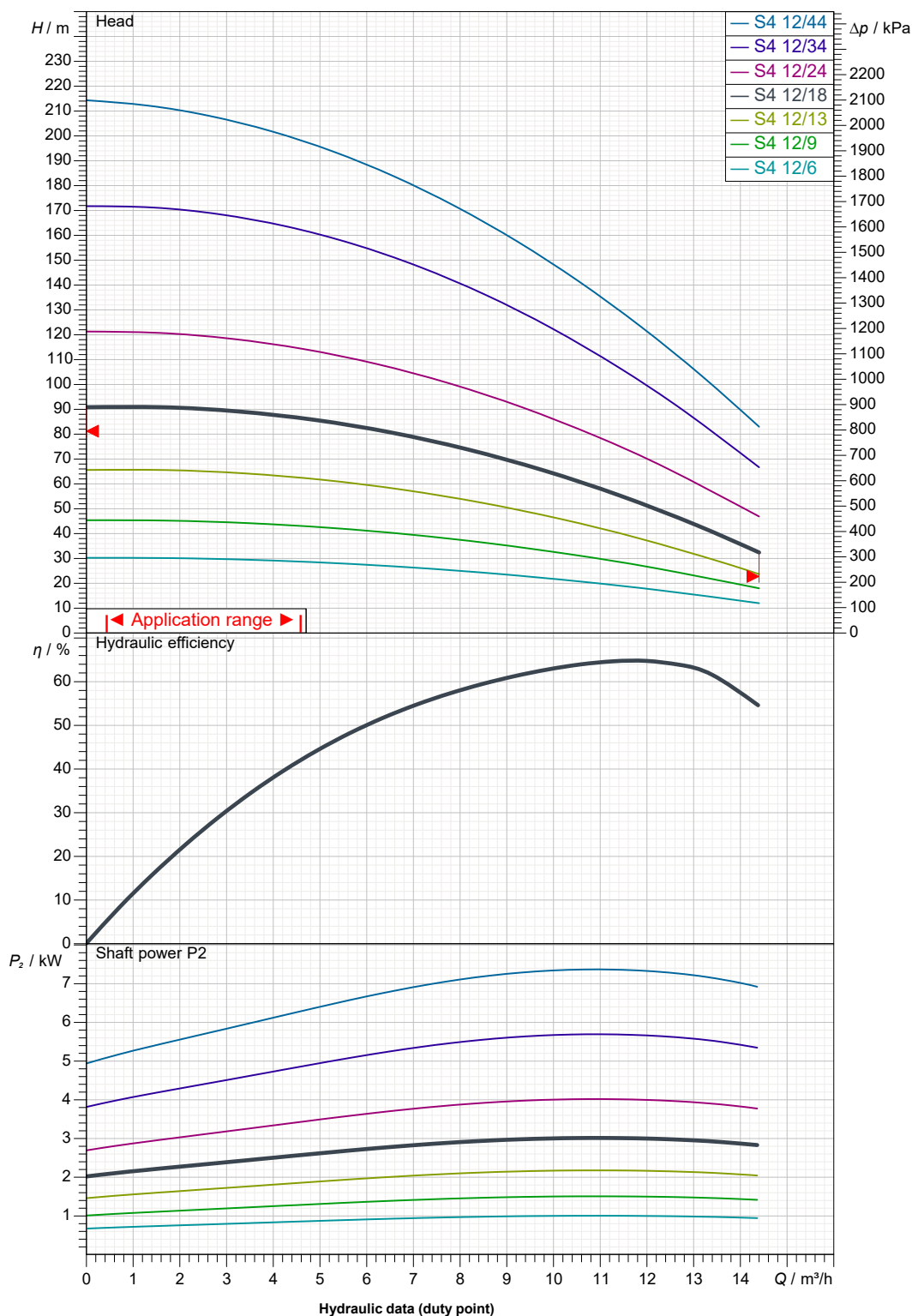
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S4 12/18 T 400 V 4OL AMEIRA

Curve tolerance according to ISO 9906



Suction side :

Discharge side :
2 " G-F

Flow :

Head :

Rated speed :	2840 1/min
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MAIN PROJECT TITLE	
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BUSINESS PROCESS II

OWNER

ISSUE DATE

2024-04-11



DIMENSIONAL DRAWING

2024-04-11

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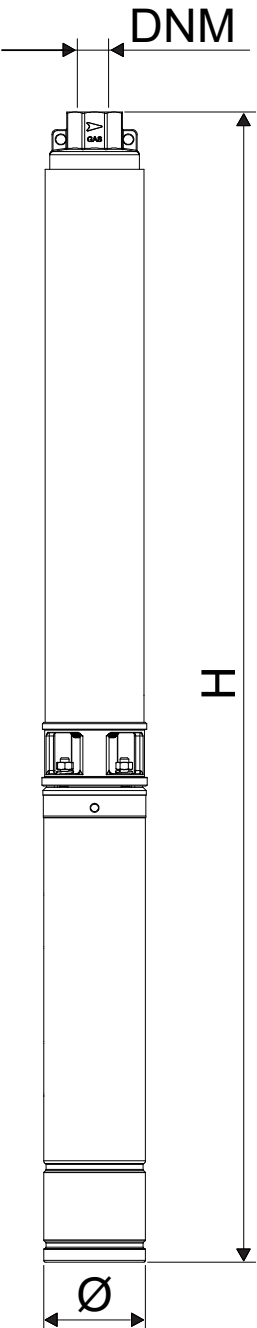
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S4 12/18 T 400 V 4OL AMEIRA



Dimensions in mm							Pump connection
1	H	1685					Suction
2	Ø	99					
3							
4							Discharge
5							
6							
7							2" G-F
8							
9							
10							--
11							
MAIN_PROJECT_TITLE			BUSINESS_PROCESS_IC			OWNER_	ISSUE_DATE
							2024-04-11