

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

Pump model: S4-2/52
Item n° : 60173444

Inverter application :

Pump data

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 :
Efficiency :
NPSH :
P2 nominal requested :

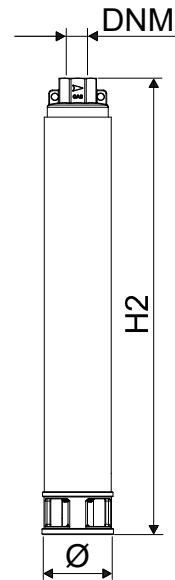
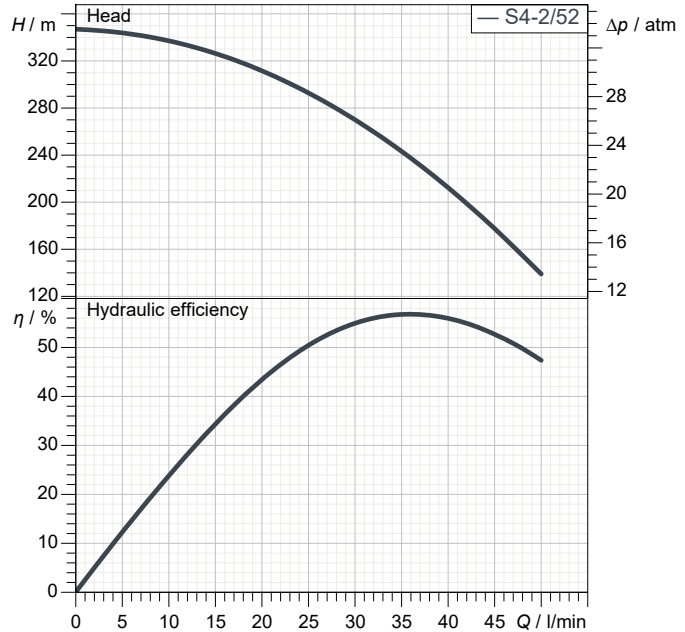
Materials

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 420
Filter : Stainless Steel AISI 304

Motor data

Motor type :
Nominal power P2 :
Rated voltage :
Nominal current :
Number of poles :
Rated speed :
Degree of protection :

Curve tolerance according to ISO 9906



Weight : 11,2 kg

Dimensions in mm

DNM	1"1/4 G-F				
H2	1.134				
Ø	99				

Pump connection

Discharge side : 1 " 1/4 G-F

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Installation example without inverter



- A : Power supply line
B : User
1 : Electric control box
2 : Electric pump bleed / priming cap
3 : Manometer
4 : Membrane vase
5 : Gate valve
6 : Non-return valve
7 : Delivery pipework
8 : Minimum level electrode for electric probe
9 : Electric pump
10 : Well
11 : Filters

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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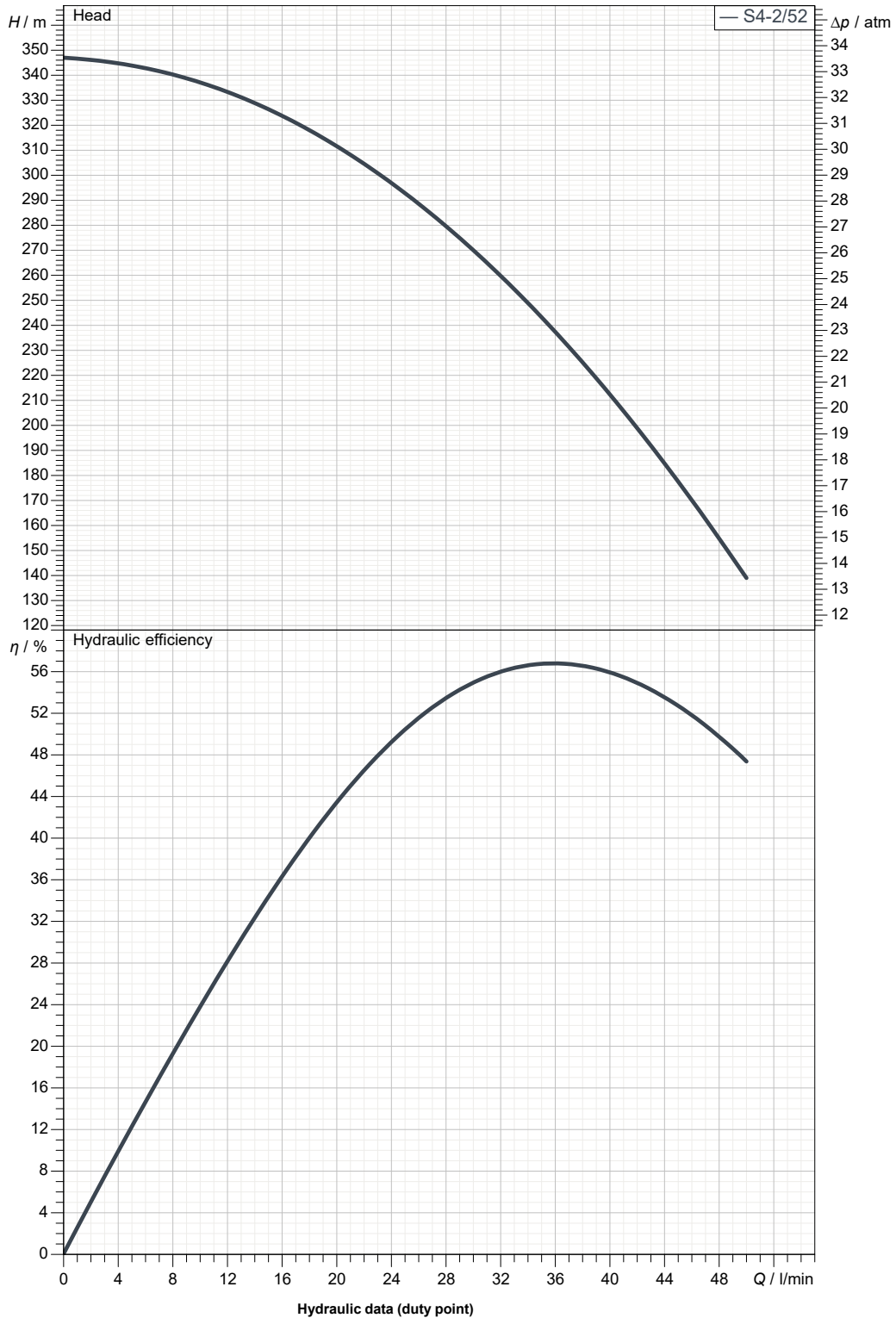
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S4-2/52

Curve tolerance according to ISO 9906



Suction side :

Discharge side :
1" 1/4 G-F
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Flow :

Head :

Rated speed :

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE

2020-05-22



DIMENSIONAL DRAWING

2020-05-22

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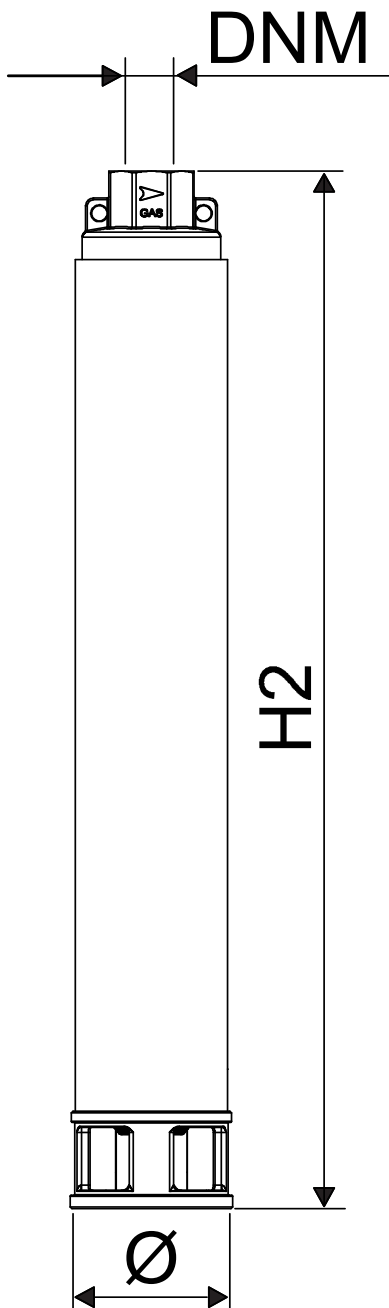
DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

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S4-2/52



Dimensions in mm				Pump connection			
1	DNM	1"1/4 G-F					
2	H2	1.134					Suction
3	Ø	99					
4							
5							
6							
7							Discharge
8							1" 1/4 G-F
9							--
10							
11							
12							

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