

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

Pump model: S4-2/20 M 230 V 4OL
Item n° : 60197376
4OL 1,1 kW 230 V M
Inverter application : Allowed - min. 30Hz

Pump data

P2 nominal requested : 1,1 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 :

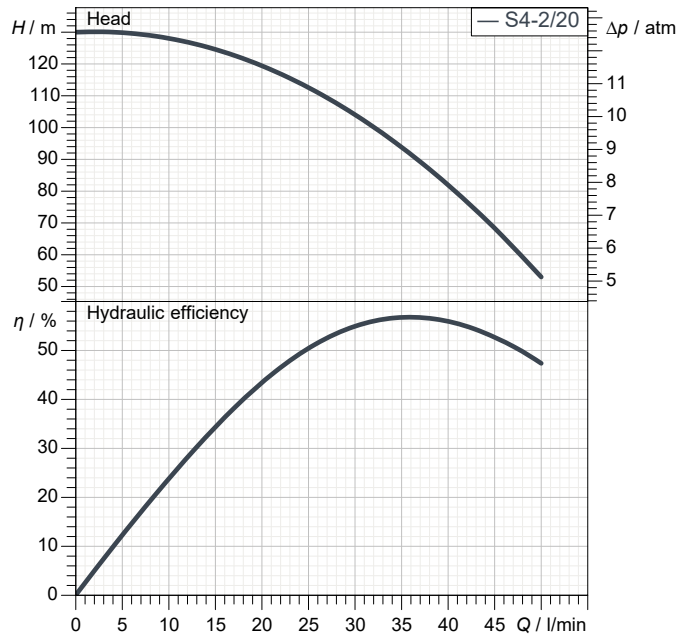
Materials

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 : 4OL
Nominal power P2 : 1,1 kW
Rated voltage : 1~ 230 V 50 Hz
Nominal current : 8,5 A
Number of poles : 2
Rated speed : 2.800 1/min
Degree of protection : IP 68

Curve tolerance according to ISO 9906



Weight : 14,4 kg

Dimensions in mm

| | | | | | |
|-----|-----------|--|--|--|--|
| DNM | 1"1/4 G-F | | | | |
| H | 958 | | | | |
| H2 | 604 | | | | |
| Ø | 99 | | | | |

Pump connection

Discharge side : 1 " 1/4 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

2020-05-24

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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

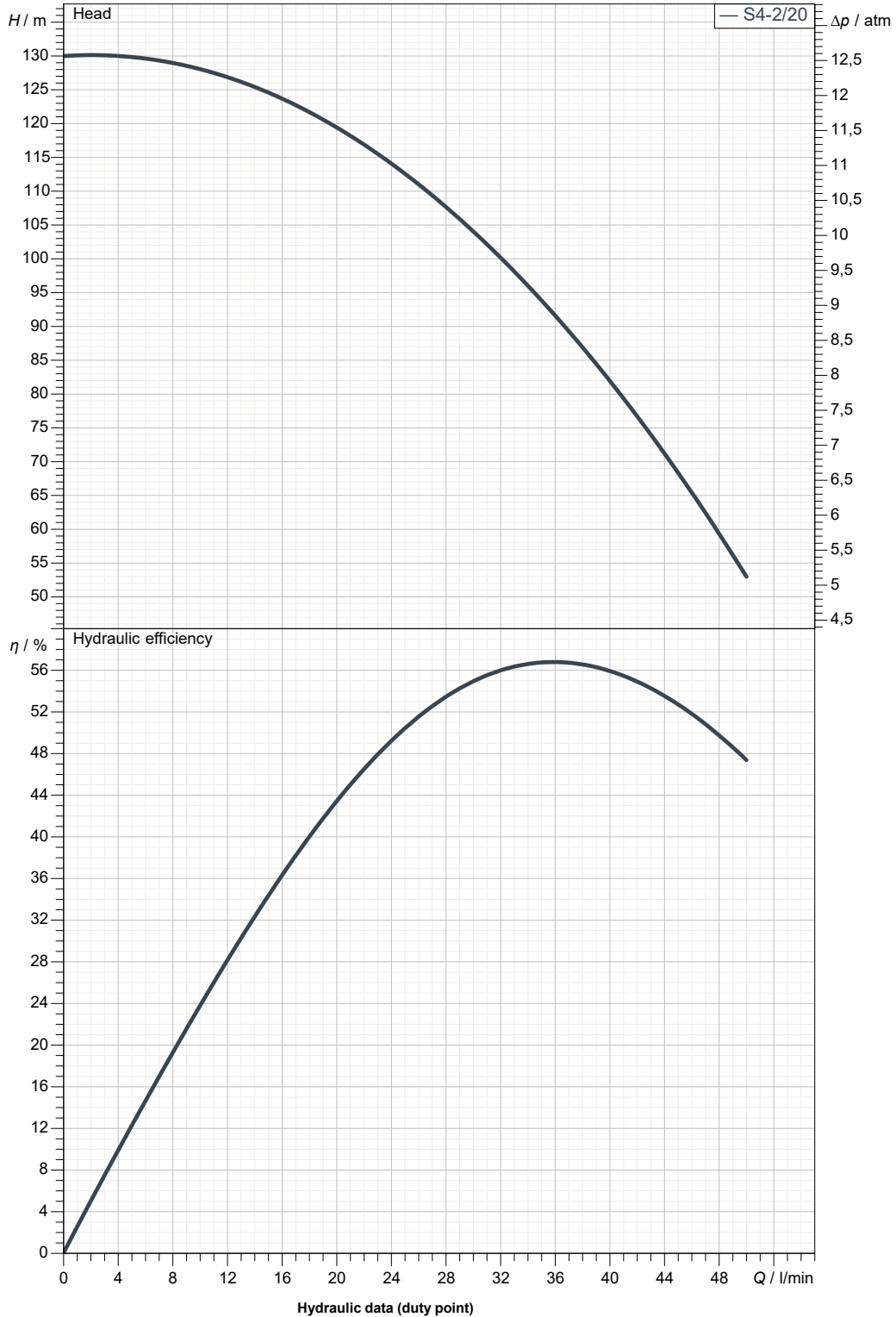
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S4-2/20 M 230 V 40L

Curve tolerance according to ISO 9906



Suction side :

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

Flow :

Head :

Rated speed :
2.800 1/min

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE

2020-05-24



DIMENSIONAL DRAWING

2020-05-24

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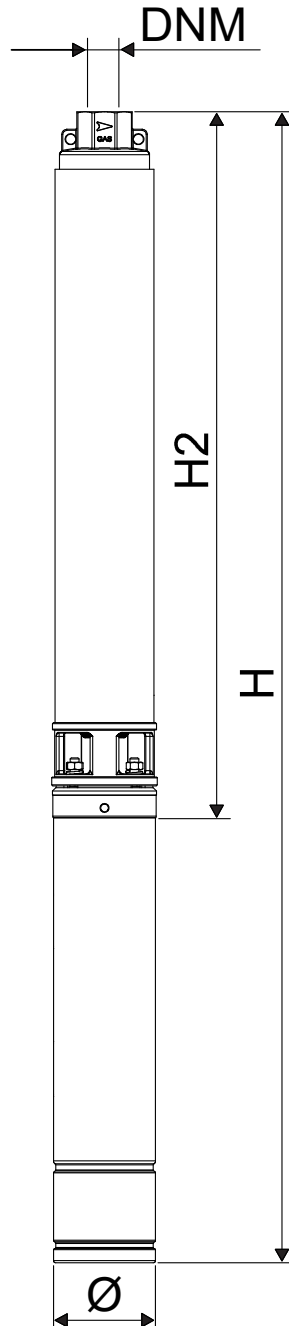
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S4-2/20 M 230 V 40L



Dimensions in mm

Pump connection

| | | | | | | | |
|----|-----|-----------|--|--|--|--|------------|
| 1 | DNM | 1"1/4 G-F | | | | | |
| 2 | H | 958 | | | | | Suction |
| 3 | H2 | 604 | | | | | |
| 4 | Ø | 99 | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | Discharge |
| 8 | | | | | | | 1" 1/4 G-F |
| 9 | | | | | | | -- |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |

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