

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

Pump model: S4-16/20
Item n° : 60173476

Inverter application :

Pump data

P2 nominal requested : 5,5 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 :

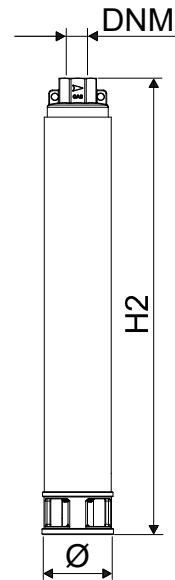
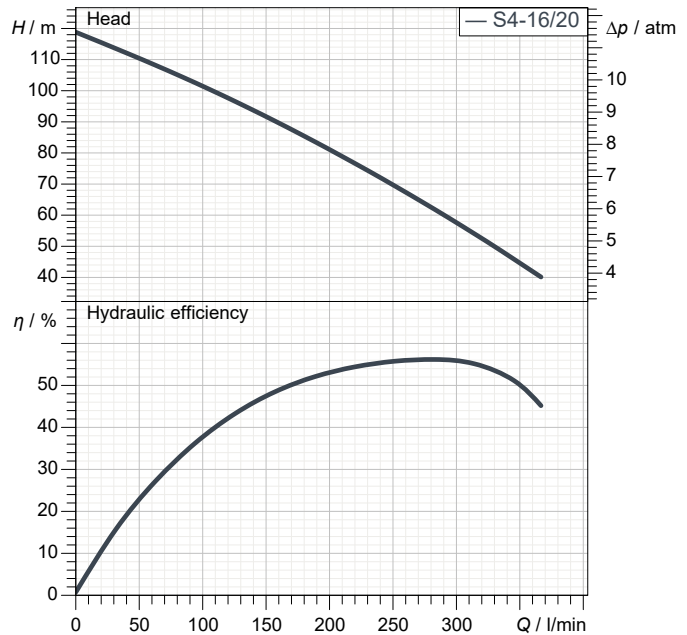
Materials

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 : 13,7 kg

Dimensions in mm

DNM	2" G-F				
H2	1.628				
Ø	99				

Pump connection

Discharge side : 2" G-F

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

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

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

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)

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



PERFORMANCE CURVES

2020-05-22

Page 4 / 5

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

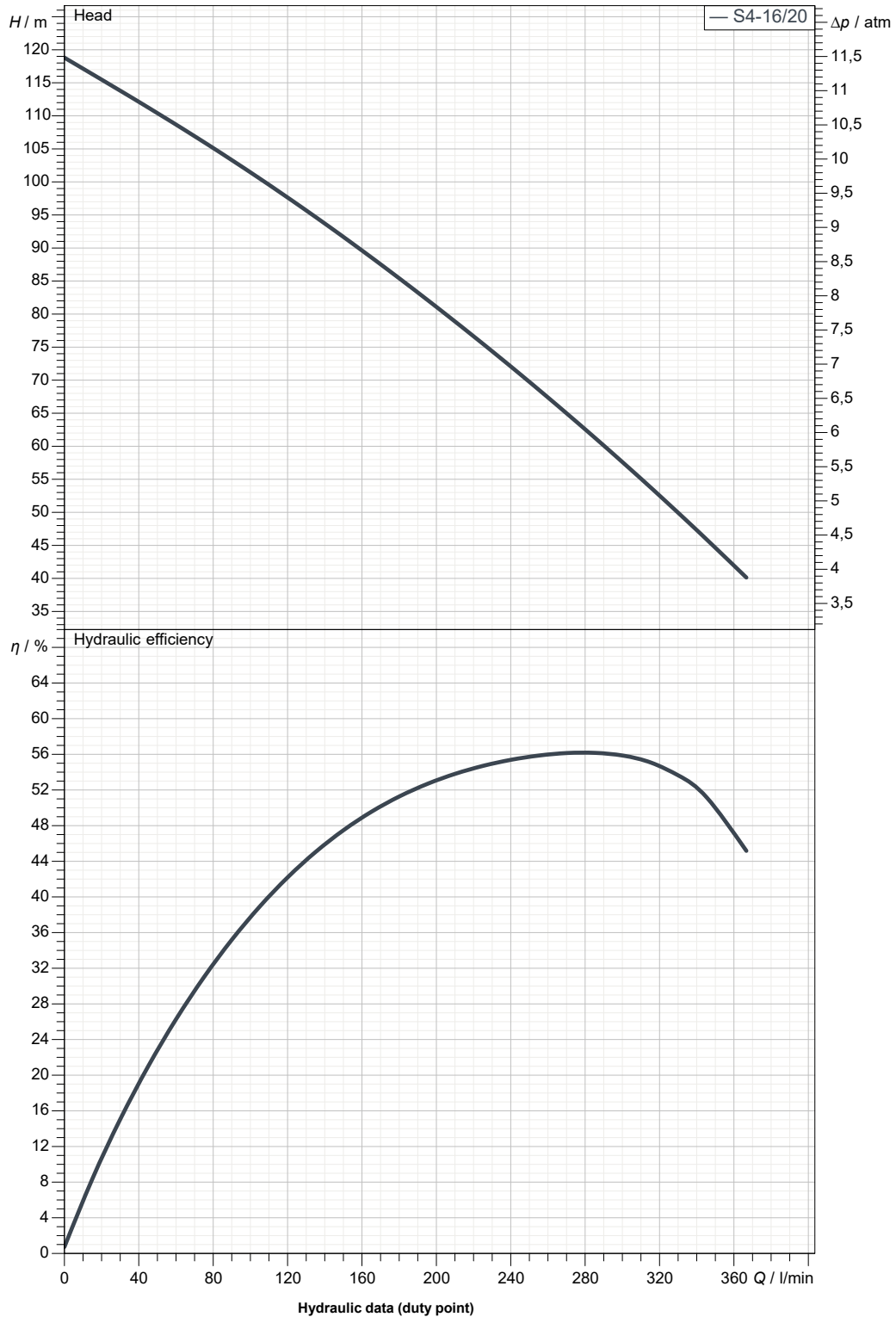
Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

S4-16/20

Curve tolerance according to ISO 9906



Suction side :

Discharge side :
2" G-F
--

Flow :

Head :

Rated speed :

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE

2020-05-22



DIMENSIONAL DRAWING

2020-05-22

Page 5 / 5

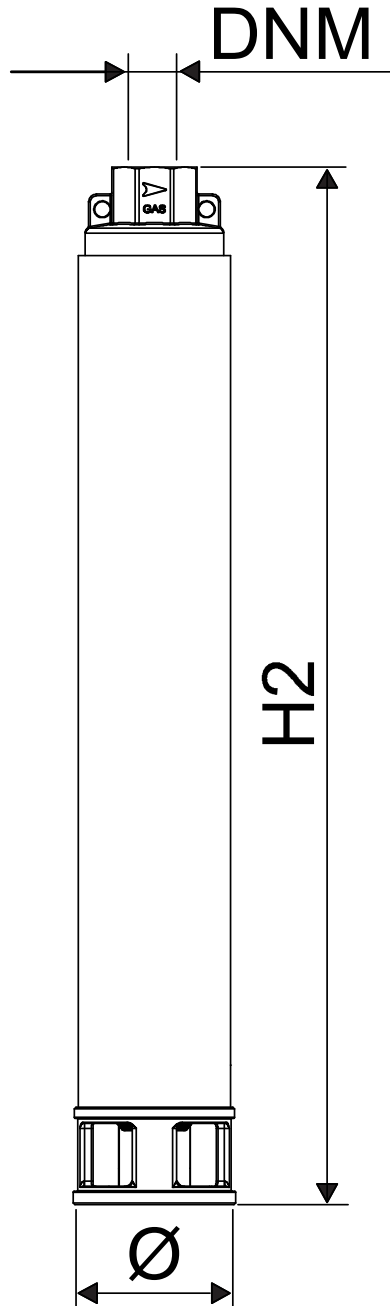
DAB PUMPS S.p.A.
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy
Tel. +39 049 5125000 - Fax +39 049 5125950
www.dabpumps.com

Receiver

From

Society
Reference
Address
Phone
Fax
E-mail

S4-16/20



Dimensions in mm				Pump connection			
1	DNM	2" G-F					
2	H2	1.628					Suction
3	Ø	99					
4							
5							
6							
7							Discharge
8							2" G-F
9							--
10							
11							
12							

MAIN_PROJECT_TITLE	BUSINESS_PROCESS_ID	OWNER_	ISSUE_DATE 2020-05-22
--------------------	---------------------	--------	--------------------------