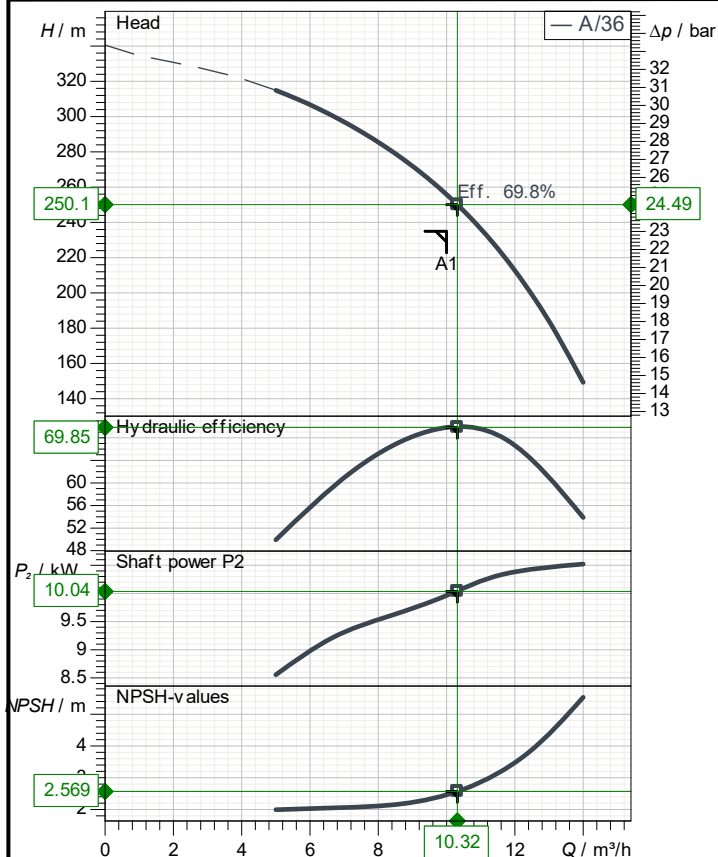


Receiver

From

|                     |  |
|---------------------|--|
| Company name        |  |
| Respons. Department |  |
| Person in charge    |  |
| Phone number        |  |
| Fax no              |  |
| E-mail address      |  |



### Operating data specification

|                           |       |       |
|---------------------------|-------|-------|
| Nominal flow              | m³/h  | 10    |
| Nominal head              | m     | 235   |
| Static head               | m     | 0     |
| NPSH - value of plant     | m     |       |
| Inlet pressure            | bar   | 0     |
| Fluid                     | Water |       |
| Operating temperature t A | °C    | 20    |
| Density at t A            | kg/m³ | 998.3 |
| Kin. viscosity at t A     | mm²/s | 1.005 |

**Pump**

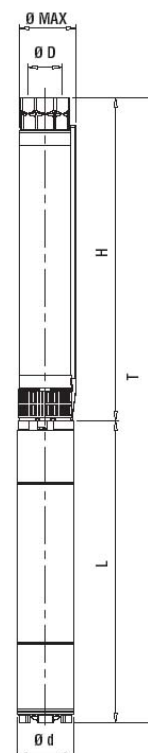
|                      |                 |            |                 |
|----------------------|-----------------|------------|-----------------|
| Pump name            |                 | NR-151A/36 |                 |
| Size                 |                 |            |                 |
| Design               |                 |            |                 |
| Speed                | 1/min           | 2900       | No of stages 36 |
| Impeller type        | Radial impeller |            |                 |
| Flow                 | Nominal         | m³/h       | 10.3            |
|                      | Max-            | m³/h       | 14              |
|                      | Min-            | m³/h       | 5               |
| Head                 | Nominal         | m          | 250             |
|                      | Max-            | m          | 315             |
|                      | Min-            | m          | 149             |
| Head H(Q=0)          |                 | m          | 341             |
| NPSH 3%              |                 | m          | 2.57            |
| Max working pressure |                 | bar        | 33.4            |
| Shaft power          |                 | kW         | 10              |
| Efficiency           |                 | %          | 69.8            |
| Max absorbed power   |                 | kW         | 10.561          |

## Materials Pump

|                      |    |                                                    |    |                  |                |       |      |
|----------------------|----|----------------------------------------------------|----|------------------|----------------|-------|------|
| Shaft                |    | Stainless steel AISI 431 (1.4057)                  |    |                  |                |       |      |
| Impeller             |    | Polycarbonates                                     |    |                  |                |       |      |
| Diffuser             |    | Polycarbonates                                     |    |                  |                |       |      |
| Suction support      |    | Cast iron EN-GJL-250                               |    |                  |                |       |      |
| Outlet               |    | Cast iron EN-GJL-250                               |    |                  |                |       |      |
| Pump pipe            |    | Stainless steel AISI 304 (1.4301)                  |    |                  |                |       |      |
| Cable cover          |    | Stainless steel AISI 304 (1.4301)                  |    |                  |                |       |      |
| Valve                |    | Stainless steel AISI 304 (1.4301) + Polycarbonates |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
|                      |    |                                                    |    |                  |                |       |      |
| Motor                |    | Frame size                                         |    | 6"               |                |       |      |
| Manufacturer / Type  |    | SAER CL 140-15                                     |    |                  |                |       |      |
| Rated power          | kW | 11                                                 | SF | 1                | Efficiency 4/4 |       | 85 % |
| Electric current     | A  | 23                                                 |    | Speed            |                | 1/min | 2880 |
| Electric voltage     | V  | 400 V                                              |    | 3~               |                | Hz    | 50   |
| Starting mode        |    | Direct starting                                    |    |                  |                |       |      |
| Degree of protection |    | IP 68                                              |    | Insulation class |                |       | F    |

**Dimensions in mm**

|      |         |
|------|---------|
| H    | 1888    |
| ød   | 144     |
| øD   | G 2 1/2 |
| øMax | 150     |
| T    | 2550    |



Remarks:

|                    |
|--------------------|
| MAIN PROJECT TITLE |
|--------------------|

BUSINESS PROCESS ID

OWNER

|            |
|------------|
| ISSUE DATE |
|------------|

2025-04-10

|                |
|----------------|
| LAST MODI DATE |
|----------------|

2025-04-10

Receiver

From

Company name

Respons. Department

Person in charge

Phone number

Fax no

E-mail address

Operating area

Flow

Head

Impeller type

Radial impeller

Operating data specification

10

m³/h

235

m

Impeller construction

Closed

Sense of rotation

Clockwise from the drive end

Pump data

10.3

m³/h

250

m

Outlet width

G2½"

Speed

1/min

2900

Frequency

Hz

50 Hz

Min.

Max

η

Max

H(Q=0)

η

Max

P2(Q=0)

Max

η

Max

m³/h

m³/h

m³/h

m

m

kW

kW

kW

5

14

10.3

341

250

8.56

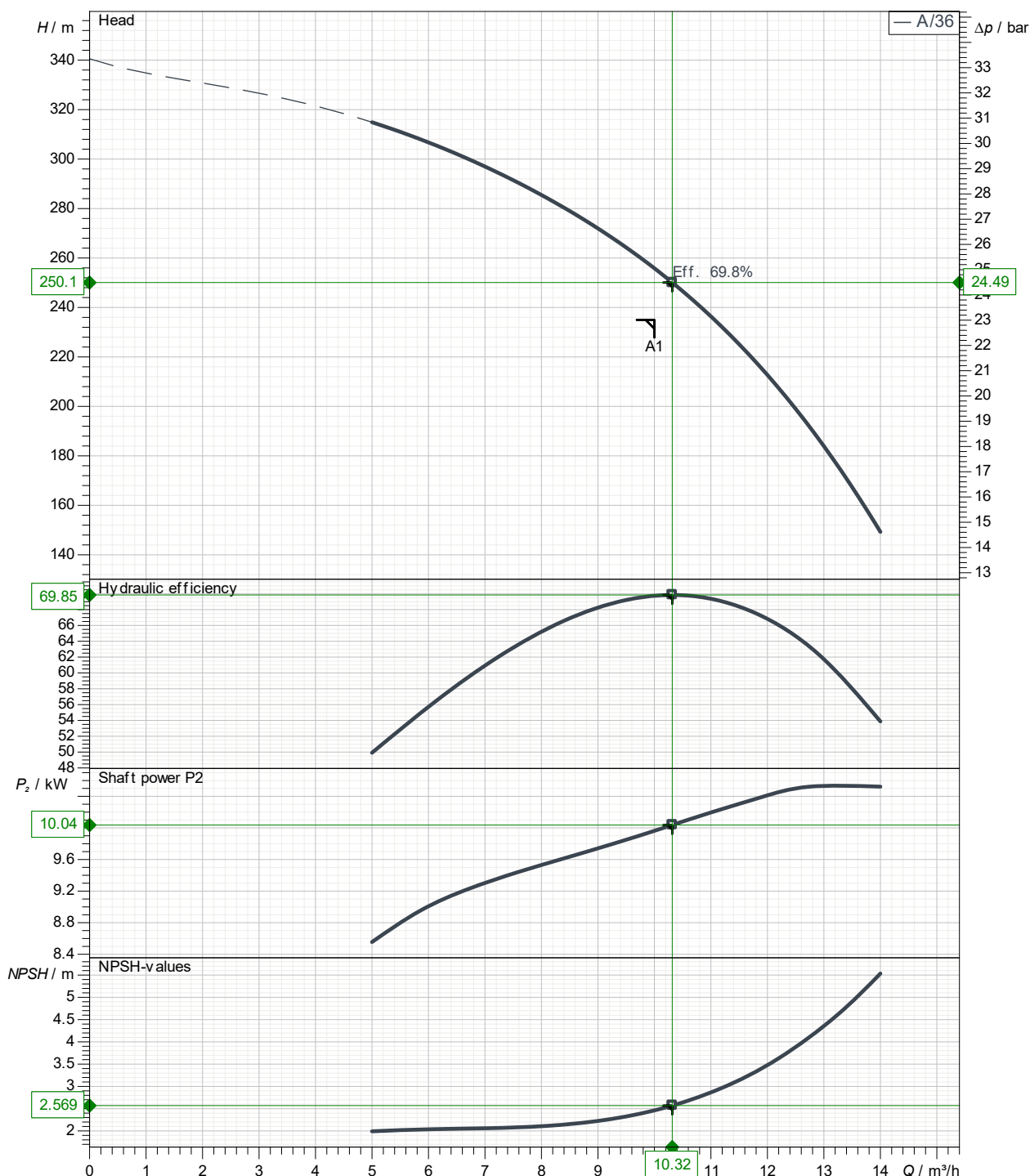
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Performance data based to:

Water; 20°C; 998.3kg/m³; 1.005mm²/s

UNI EN ISO 9906:2012 - Grade 3B



MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_ID

OWNER\_

ISSUE\_DATE

2025-04-10

LAST\_MODI\_DATE

2025-04-10



Type of installation  
NR-151A/36

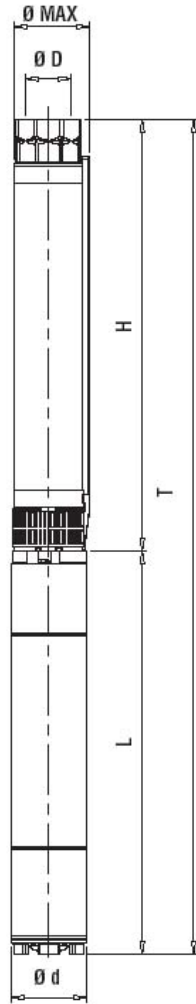
Receiver

From

Page:  
3

Revision no

Dimensions



Disegni dimensionali e immagini non vincolanti Saer si riserva il diritto di effettuare cambiamenti senza alcun preavviso.  
Dimensional drawing and picture are not binding. Saer reserves the right to make changes without prior notice.

Connections

Suction side

Discharge port  
G2½"

Dimensions in mm

|      |          |
|------|----------|
| H    | 1888     |
| ød   | 144      |
| øD   | G 2 1/2" |
| øMax | 150      |
| T    | 2550     |

MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_ID

OWNER\_

ISSUE\_DATE  
2025-04-10

LAST\_MODI\_DATE  
2025-04-10