

SAER® ELETTROPOMPE	Technical data		Revision no		Page:																																																																																									
	NS-96B/30				1																																																																																									
Receiver		From																																																																																												
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H / m Head 200 180 160 140 120 100 80 60 40 20 0 0 1 2 3 4 5 6 Δp / kPa 2000 1800 1600 1400 1200 1000 800 600 400 200 0 0 1 2 3 4 5 6 153.3 1501 Eff. 60% A1 59.75 Hydraulic efficiency 4.044 P₁ 3.916 Power input P1 P₂ 2.819 Shaft power P2 UNI EN ISO 9906:2012 - Grade 3B		Operating data specification <table><tr><td>Nominal flow</td><td>m³/h</td><td>4</td></tr><tr><td>Nominal head</td><td>m</td><td>150</td></tr><tr><td>Static head</td><td>m</td><td>0</td></tr><tr><td>NPSH - value of plant</td><td>m</td><td></td></tr><tr><td>Inlet pressure</td><td>kPa</td><td>0</td></tr><tr><td>Fluid</td><td>Water</td><td></td></tr><tr><td>Operating temperature t A</td><td>°C</td><td>20</td></tr><tr><td>Density at t A</td><td>kg/m³</td><td>998.2</td></tr><tr><td>Kin. viscosity at t A</td><td>mm²/s</td><td>1.001</td></tr></table> Pump <table><tr><td>Pump name</td><td colspan="2">NS-96B/30</td></tr><tr><td>Size</td><td colspan="2"></td></tr><tr><td>Design</td><td colspan="2"></td></tr><tr><td>Speed</td><td>1/min</td><td>2900</td></tr><tr><td>No of stages</td><td colspan="2">30</td></tr><tr><td>Impeller type</td><td colspan="2">Radial impeller</td></tr><tr><td rowspan="3">Flow</td><td>Nominal</td><td>m³/h</td><td>4.04</td></tr><tr><td>Max-</td><td>m³/h</td><td>6.01</td></tr><tr><td>Min-</td><td>m³/h</td><td>1.5</td></tr><tr><td rowspan="3">Head</td><td>Nominal</td><td>m</td><td>153</td></tr><tr><td>Max-</td><td>m</td><td>197</td></tr><tr><td>Min-</td><td>m</td><td>74.9</td></tr><tr><td>Head H(Q=0)</td><td colspan="2">m</td><td>210</td></tr><tr><td>NPSH 3%</td><td colspan="2">m</td><td></td></tr><tr><td>Max working pressure</td><td colspan="2">kPa</td><td>2050</td></tr><tr><td>Shaft power</td><td colspan="2">kW</td><td>2.82</td></tr><tr><td>Efficiency</td><td colspan="2">%</td><td>59.8</td></tr><tr><td>Max absorbed power</td><td colspan="2">kW</td><td>2.858</td></tr></table>				Nominal flow	m³/h	4	Nominal head	m	150	Static head	m	0	NPSH - value of plant	m		Inlet pressure	kPa	0	Fluid	Water		Operating temperature t A	°C	20	Density at t A	kg/m³	998.2	Kin. viscosity at t A	mm²/s	1.001	Pump name	NS-96B/30		Size			Design			Speed	1/min	2900	No of stages	30		Impeller type	Radial impeller		Flow	Nominal	m³/h	4.04	Max-	m³/h	6.01	Min-	m³/h	1.5	Head	Nominal	m	153	Max-	m	197	Min-	m	74.9	Head H(Q=0)	m		210	NPSH 3%	m			Max working pressure	kPa		2050	Shaft power	kW		2.82	Efficiency	%		59.8	Max absorbed power	kW		2.858
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Materials Pump		Dimensions in mm																																																																																												
Shaft		Acciaio inossidabile AISI 431 (1.4057)																																																																																												
Impeller		Technopolymer																																																																																												
Diffuser		Technopolymer																																																																																												
Suction support		Brass																																																																																												
Outlet		Brass																																																																																												
Tubo		Stainless steel AISI 304 (1.4301)																																																																																												
Cable cover		Stainless steel AISI 304 (1.4301)																																																																																												
Valve		EPDM Rubber																																																																																												
Motor		Frame size		4"																																																																																										
Manufacturer / Type		SAER		CL 95-4M																																																																																										
Rated power		kW	3	SF	1																																																																																									
Efficiency 4/4		72 %																																																																																												
Electric current		A	19.1	Speed	1/min																																																																																									
2900																																																																																														
Electric voltage		V	230 V	1~	Hz																																																																																									
50																																																																																														
Starting mode																																																																																														
Degree of protection		IP 68		Insulation class																																																																																										
F																																																																																														
Remarks:																																																																																														
MAIN_PROJECT_TITLE		BUSINESS_PROCESS_ID		OWNER_																																																																																										
ISSUE_DATE		LAST_MODI_DATE																																																																																												
2024-11-05		2024-11-05																																																																																												

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SAER Elettropompe spa - V.Circonvallazione, 22 - 42016 Guastalla (RE) Italy - tel.+390522830941 - fax +390522826948 - www.saerelettropompe.com - Modification without advise!

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

4

m³/h

150

m

Impeller construction

Closed

Sense of rotation

Counter clockwise

Pump data

4.04

m³/h

153

m

Outlet width

1¼"

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

1.5

6

4.32

210

145

2.31

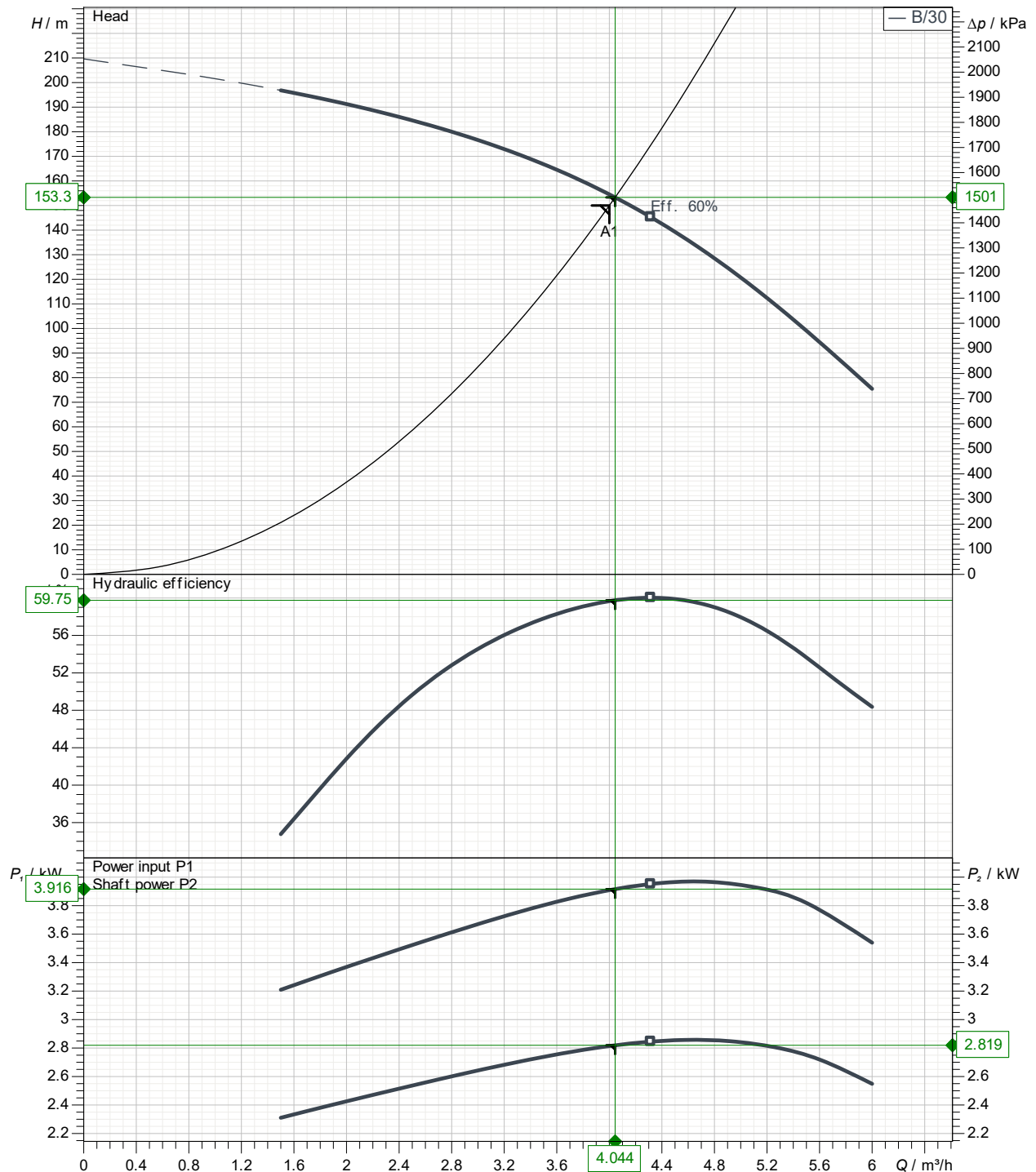
2.86

2.85

Performance data based to:

Water; 20°C; 998.2kg/m³; 1.001mm²/s

UNI EN ISO 9906:2012 - Grade 3B





Type of installation
NS-96B/30

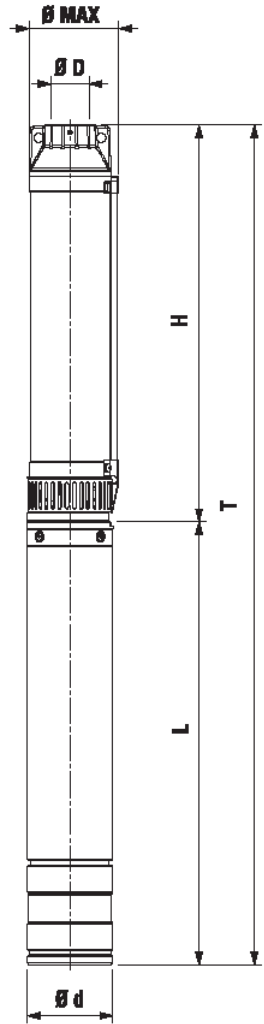
Receiver

From

Page:
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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
1 1/4"

Dimensions in mm

H	1197
L	609
$\varnothing \text{ d}$	95
$\varnothing \text{ D}$	G 1 1/4"
$\varnothing \text{ Max}$	100
T	1806

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE
2024-11-05

LAST_MODI_DATE
2024-11-05