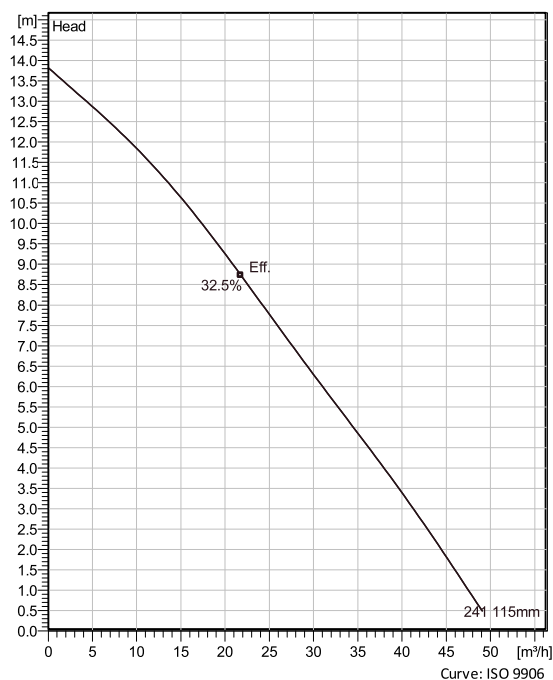


8118.280 Salvador Inox 3~

Our sludge pumps in stainless steel are used for pumping corrosive fluids with solids in harsh environment. The solids can be up to the size of 50 mm. These pumps are designed to meet the tough requirements from mines, construction sites, landfill sites and other applications that deal with corrosive water. One application is in mines where the water becomes caustic and destroys conventional pumps in matter of days. The pumps may also be used in applications where saltwater is pumped, like shipyards, fish farms, construction works in harbours and offshore projects. All INOX pumps can handle pH values from 2 - 10. They can also be equipped with zinc anodes for extra protection.



Curves according to: Water [100%], 4 °C, 999.9 kg/m³, 1.569 mm²/s



Configuration

Motor number D8118.280 14-07-2BB-W 2KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 115 mm	Discharge diameter 75 mm

Pump information

Impeller diameter 115 mm
Discharge diameter 75 mm
Inlet diameter 50 mm
Maximum operating speed 2680 rpm
Number of blades 6

Materials

Impeller Stainless steel

Project		Created by	Last update
Block	0	Created on	5/13/2020

8118.280 Salvador Inox 3~

Technical specification



Motor - General

Motor number D8118.280 14-07-2BB-W 2KW	Phases 3~	Rated speed 2680 rpm	Rated power 2 kW
ATEX approved No	Number of poles 2	Rated current 7.8 A	Stator variant 5
Frequency 50 Hz	Rated voltage 220 V	Insulation class F	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.87	Motor efficiency - 1/1 Load 77.0 %	Total moment of inertia 0.0035 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.84	Motor efficiency - 3/4 Load 81.0 %	Starting current, direct starting 37 A	
Power factor - 1/2 Load 0.75	Motor efficiency - 1/2 Load 83.5 %	Starting current, star-delta 12.3 A	

Project

Block 0

Created by

Created on 5/13/2020

Last update

8118.280 Salvador Inox 3~

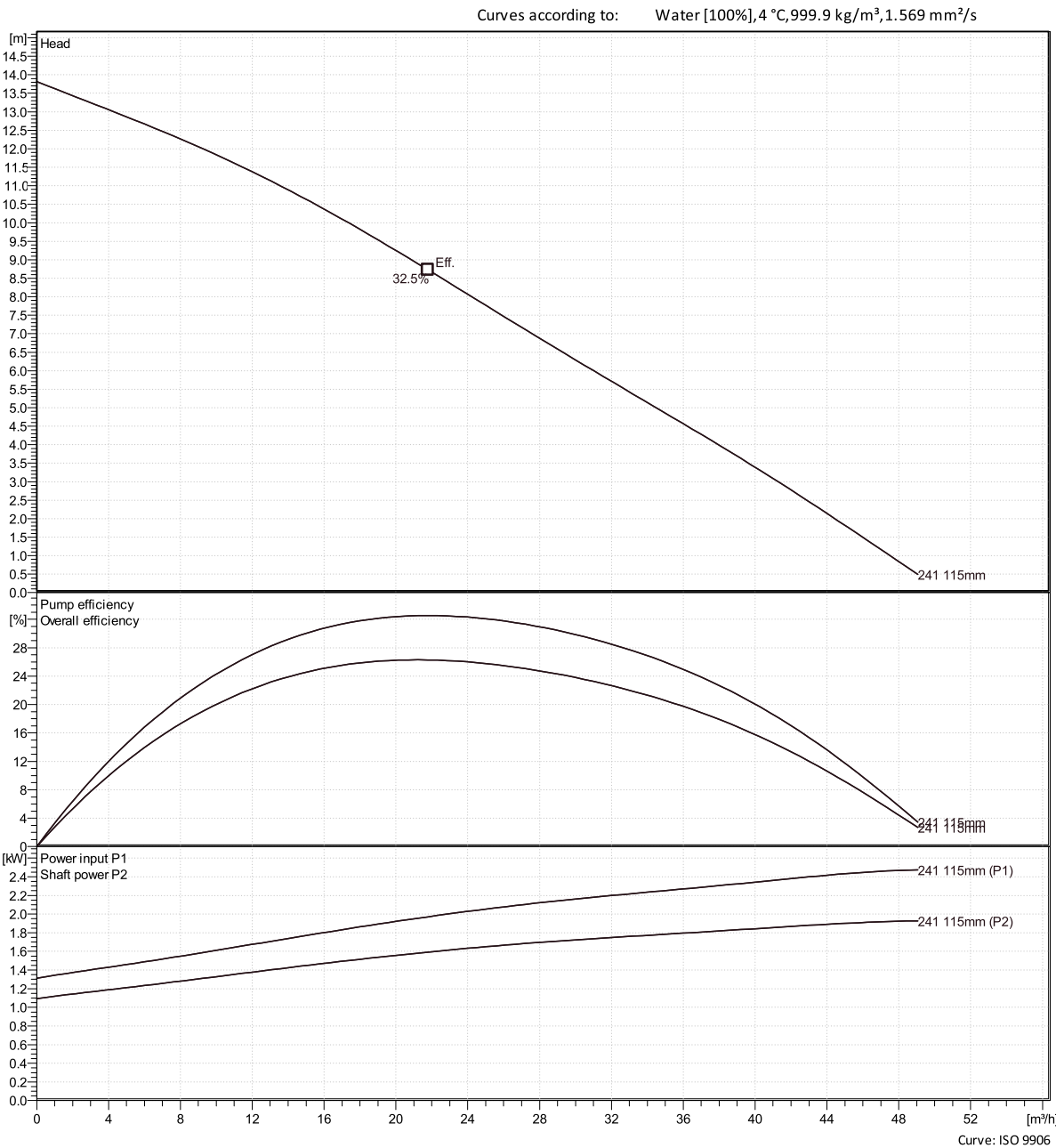
Performance curve



Duty point

Flow

Head



Project

Block

0

Created by

Created on

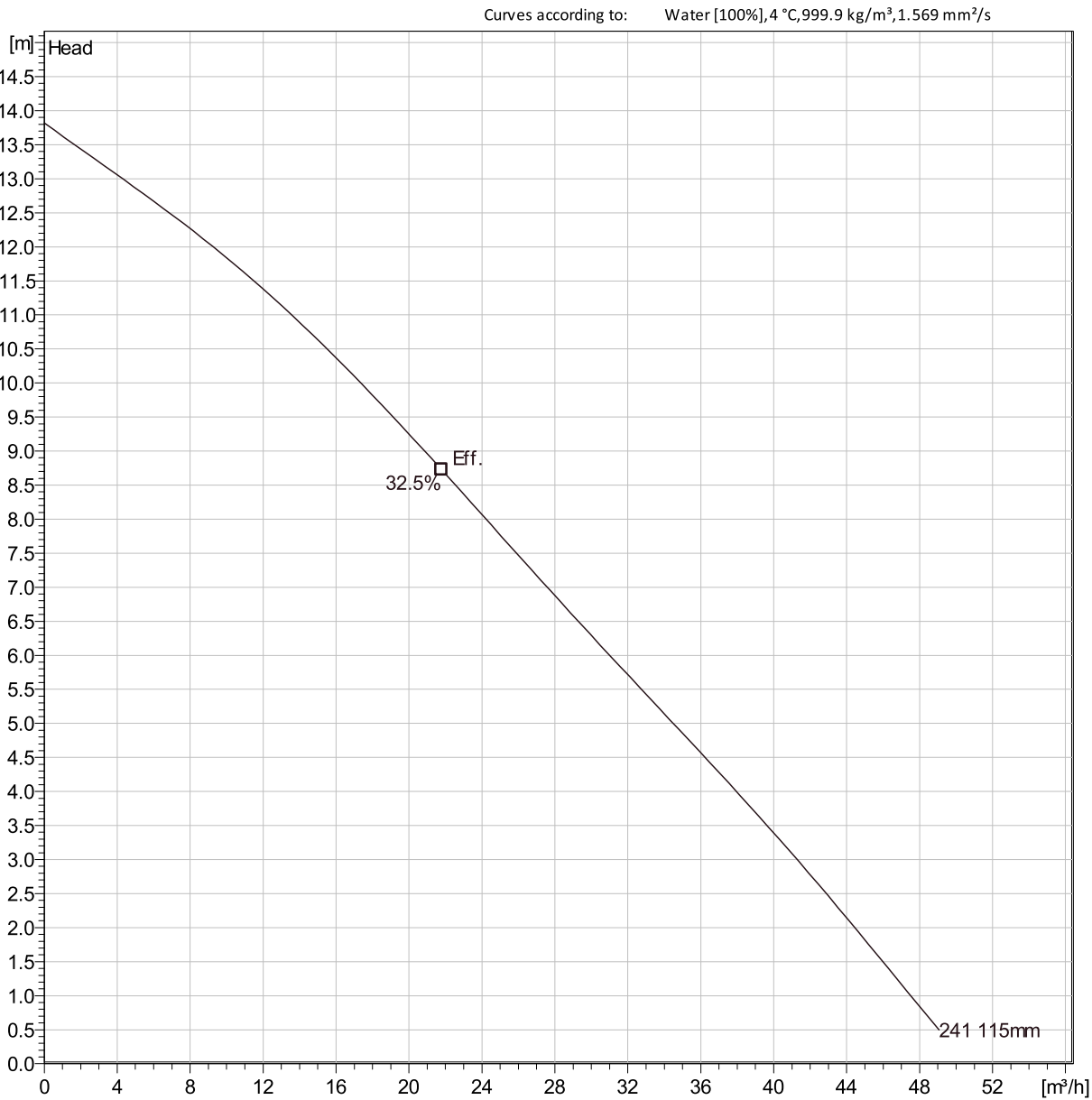
5/13/2020

Last update

]

8118.280 Salvador Inox 3~

Duty Analysis



Curve: ISO 9906

Operating characteristics

Pumps/Syste ms	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHr
-------------------	------	------	-------------	------	------	-------------	-----------	--------------------	-------

Project		Created by		Last update	
Block	0	Created on	5/13/2020		

8118.280 Salvador Inox 3~

Dimensional drawing



Project
Block

0

Created by
Created on

5/13/2020

Last update