

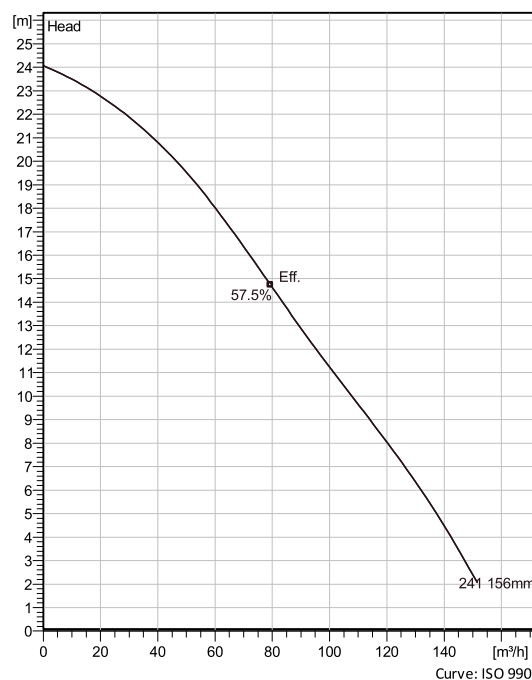
8116.390 Major N Inox 3~

Drainage pumps made of stainless steel, INOX. 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.

Technical specification



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



Configuration

Motor number B8116.390 19-10-2BB-W 6.3KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 156 mm	Discharge diameter 100 mm

Pump information

Impeller diameter 156 mm
Discharge diameter 100 mm
Inlet diameter
Maximum operating speed 2820 rpm
Number of blades 6

Materials

Impeller Stainless steel

Project

Block 0

Created by

Created on 5/13/2020

Last update

8116.390 Major N Inox 3~

Technical specification



Motor - General

Motor number B8116.390 19-10-2BB-W 6.3KW	Phases 3~	Rated speed 2820 rpm	Rated power 6.3 kW
ATEX approved No	Number of poles 2	Rated current 12 A	Stator variant 5
Frequency 50 Hz	Rated voltage 380 V	Insulation class H	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.90	Motor efficiency - 1/1 Load 85.5 %	Total moment of inertia 0.008 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.88	Motor efficiency - 3/4 Load 88.0 %	Starting current, direct starting 72 A	
Power factor - 1/2 Load 0.82	Motor efficiency - 1/2 Load 90.0 %	Starting current, star-delta 24 A	

Project

Block 0

Created by

Created on 5/13/2020

Last update

8116.390 Major N Inox 3~

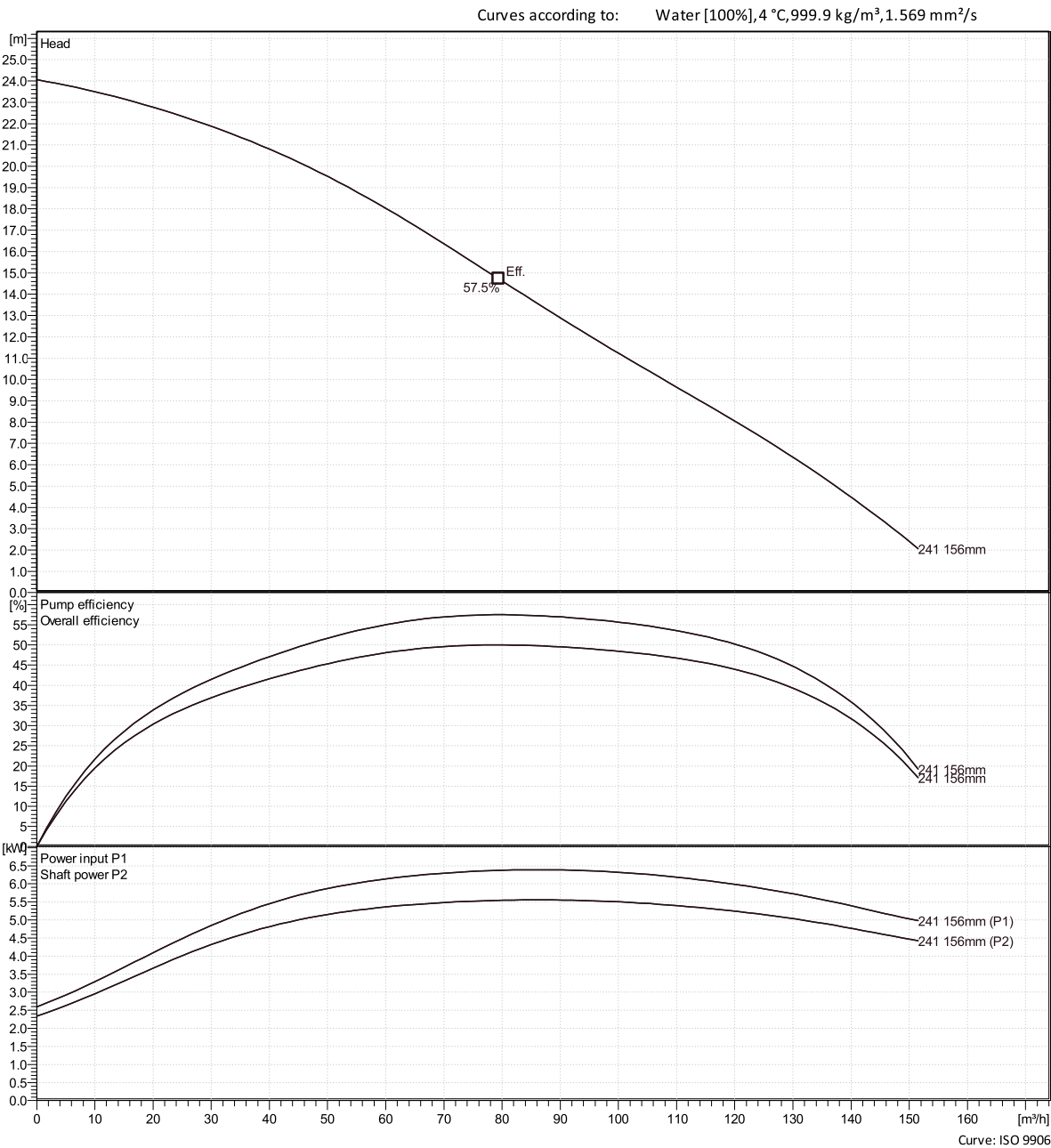
Performance curve



Duty point

Flow

Head



Project

Block

0

Created by

Created on

5/13/2020

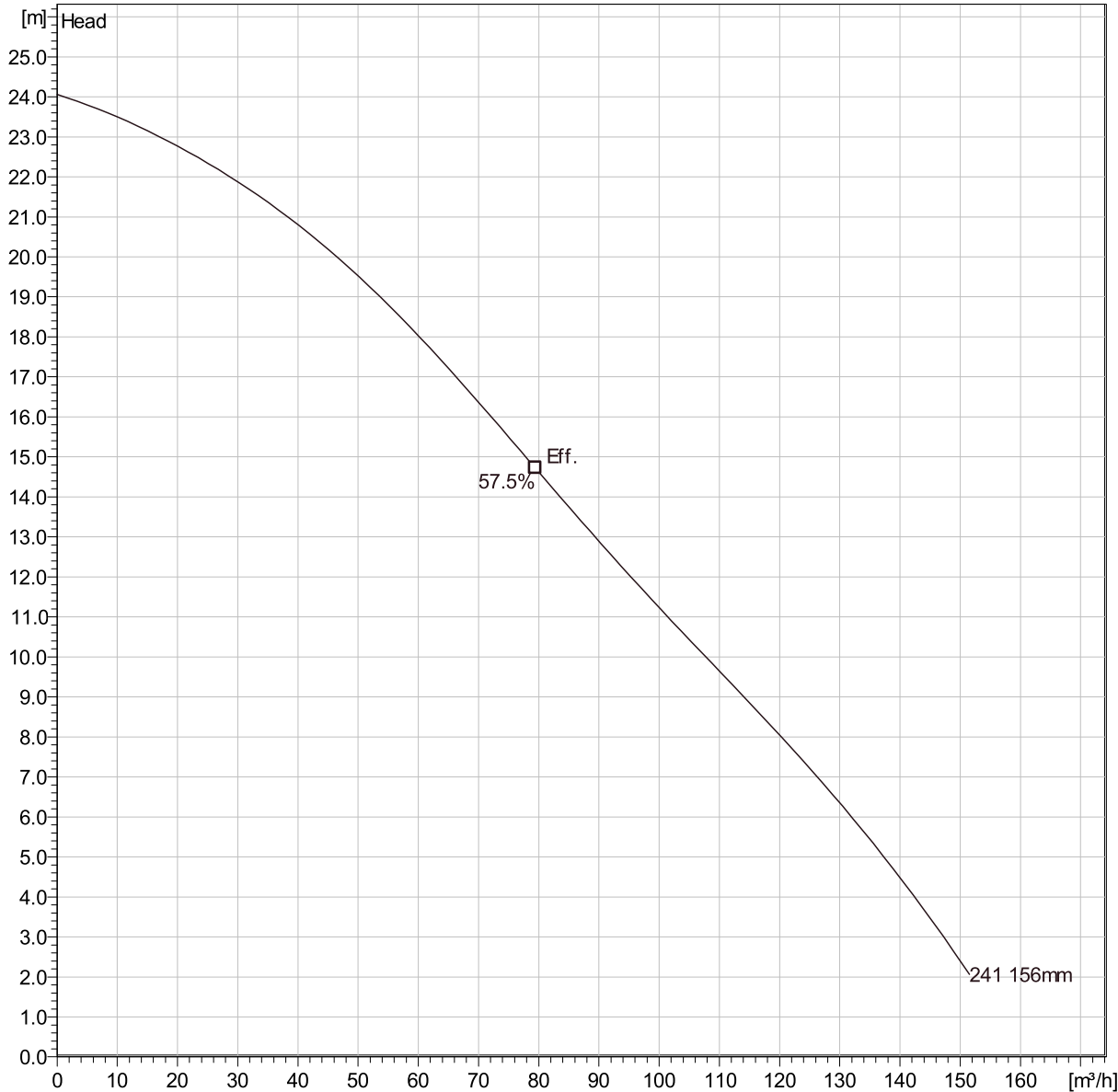
Last update

8116.390 Major N Inox 3~

Duty Analysis



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



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		

8116.390 Major N Inox 3~

Dimensional drawing



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