

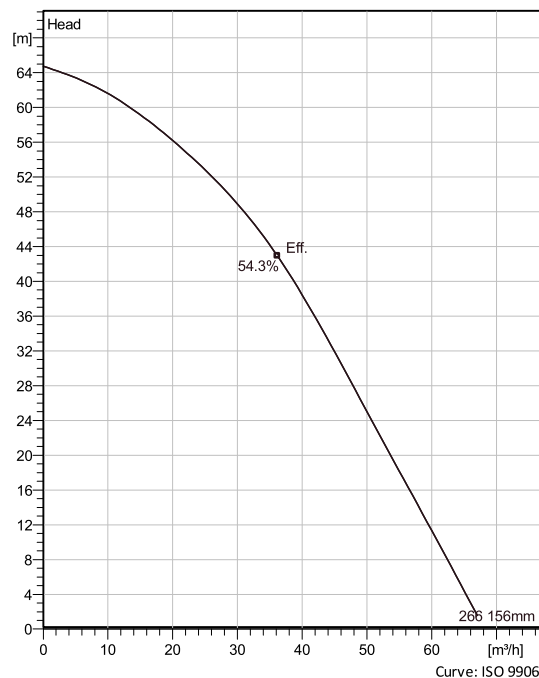
8117.390 Master H Inox 3~

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 B8117.390 19-14-2AA-W 8KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 156 mm	Discharge diameter 75 mm

Pump information

Impeller diameter 156 mm
Discharge diameter 75 mm
Inlet diameter 80 mm
Maximum operating speed 2835 rpm
Number of blades 3
Throughlet diameter 8 mm

Materials

Impeller Stainless steel
Stator housing material Stainless steel

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Technical specification



Motor - General

Motor number B8117.390 19-14-2AA-W 8KW	Phases 3~	Rated speed 2835 rpm	Rated power 8 kW
ATEX approved No	Number of poles 2	Rated current 15 A	Stator variant 7
Frequency 50 Hz	Rated voltage 380 V	Insulation class F	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.92	Motor efficiency - 1/1 Load 86.0 %	Total moment of inertia 0.0188 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.90	Motor efficiency - 3/4 Load 88.0 %	Starting current, direct starting 98 A	
Power factor - 1/2 Load 0.85	Motor efficiency - 1/2 Load 89.0 %	Starting current, star-delta 32.6 A	

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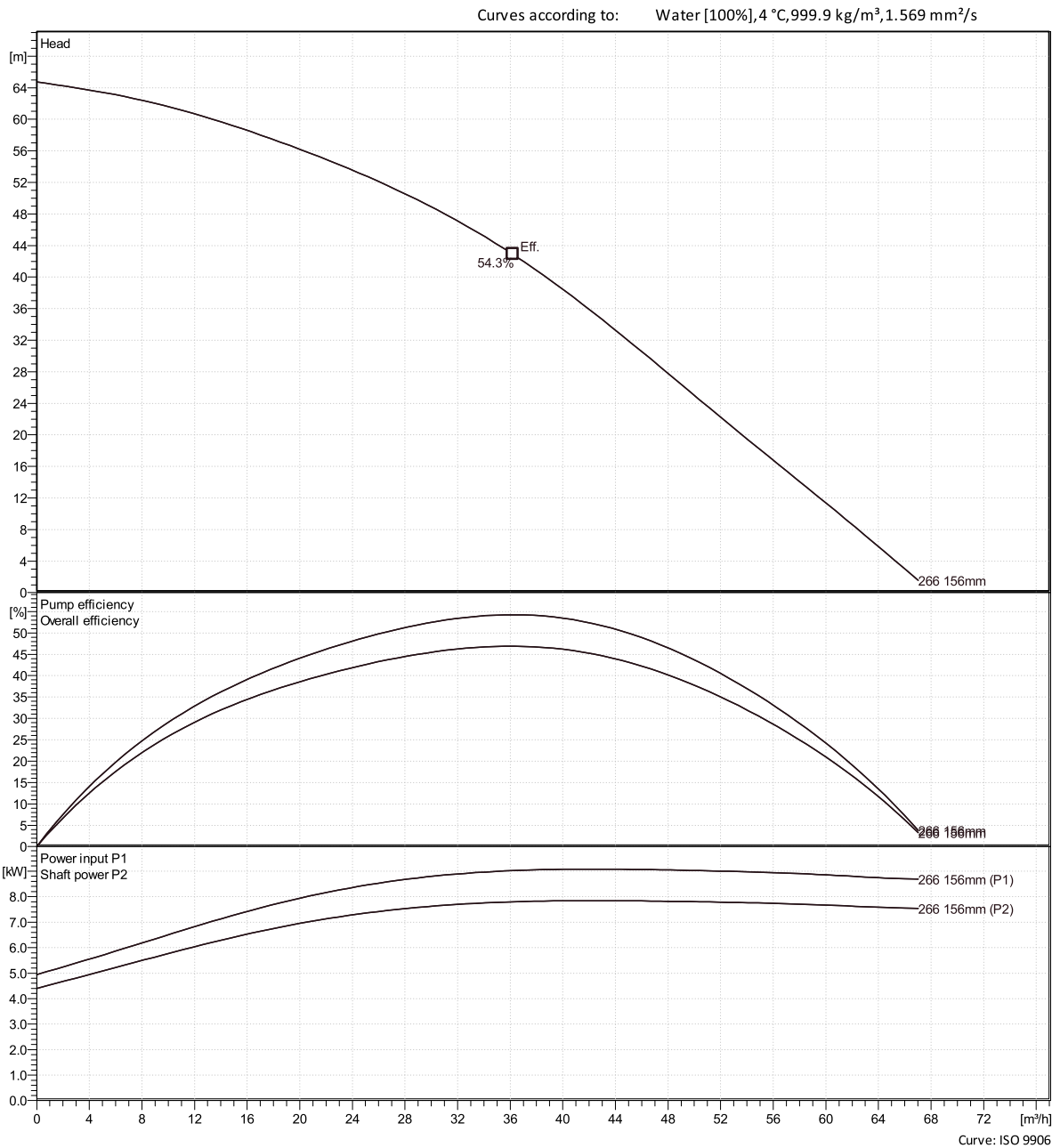
Performance curve



Duty point

Flow

Head



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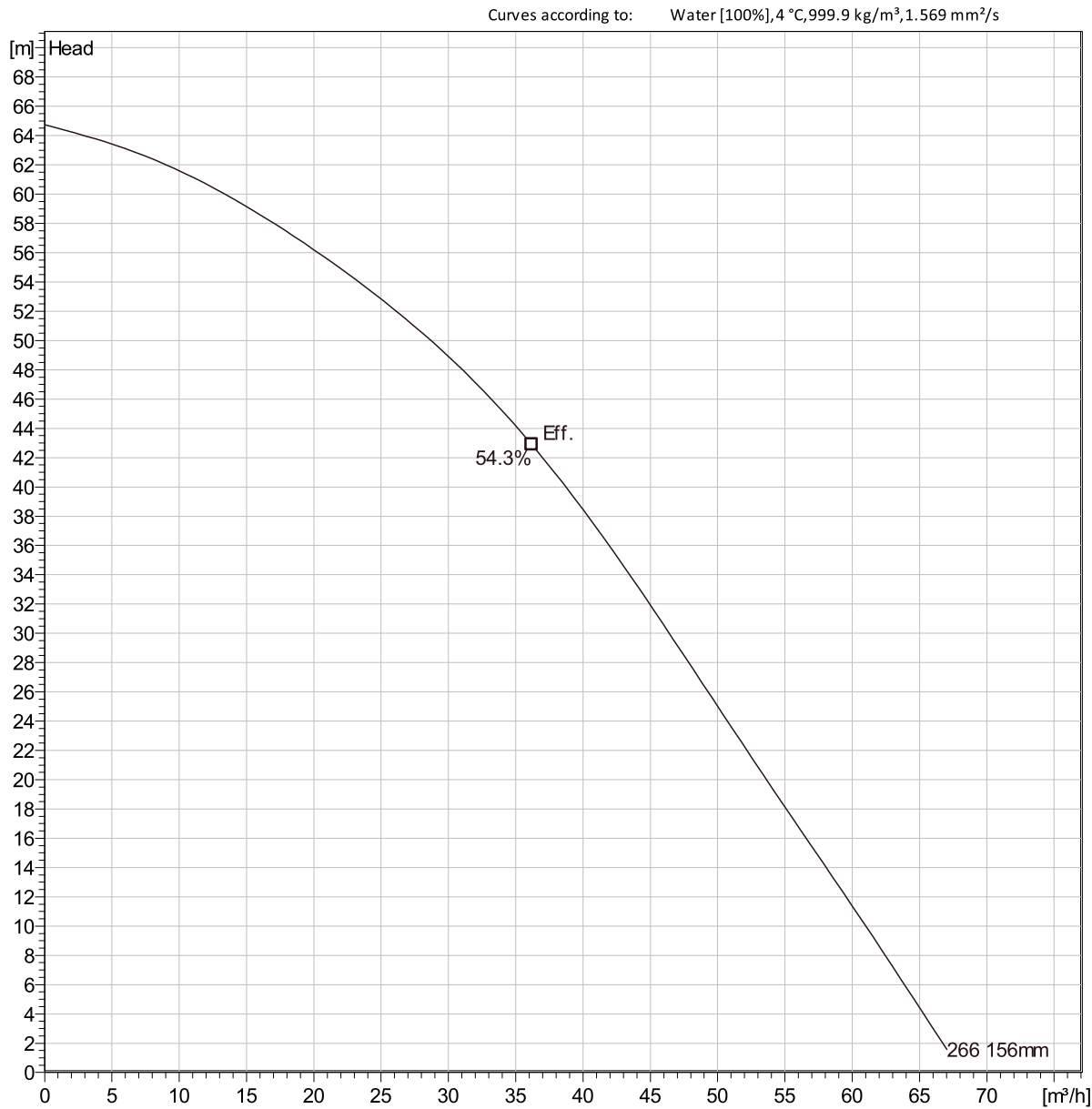
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Duty Analysis



Operating characteristics

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



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