

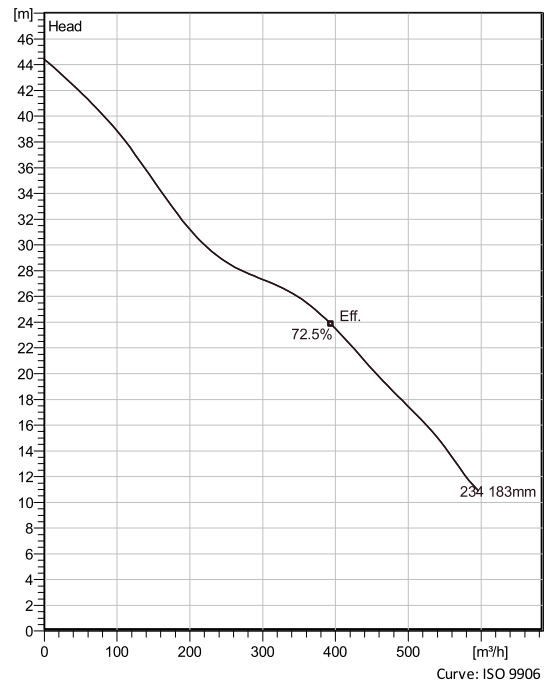
## 8107.011 Maxi N 3~

Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids – up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.

### Technical specification



Curves according to: Water, pure [100%], 4 °C, 999.9 kg/m<sup>3</sup>, 1.5692 mm<sup>2</sup>/s



### Configuration

<b>Motor number</b> B8107.011 30-19-2AA-W 37KW	<b>Installation type</b> S - Portable Semi permanent, Wet
<b>Impeller diameter</b> 183 mm	<b>Discharge diameter</b> 200 mm

### Pump information

<b>Impeller diameter</b> 183 mm
<b>Discharge diameter</b> 200 mm
<b>Inlet diameter</b>
<b>Maximum operating speed</b> 2945 rpm
<b>Number of blades</b> 3

### Materials

<b>Impeller</b> Hard-Iron
<b>Stator housing material</b> Aluminium

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### Technical specification



#### Motor - General

<b>Motor number</b> B8107.011 30-19-2AA-W 37KW	<b>Phases</b> 3~	<b>Rated speed</b> 2945 rpm	<b>Rated power</b> 37 kW
<b>Approval</b> No	<b>Number of poles</b> 2	<b>Rated current</b> 65 A	<b>Stator variant</b> 38
<b>Frequency</b> 50 Hz	<b>Rated voltage</b> 400 V	<b>Insulation class</b> H	<b>Type of Duty</b> S1

#### Motor - Technical

<b>Power factor - 1/1 Load</b> 0.92	<b>Motor efficiency - 1/1 Load</b> 90.0 %	<b>Total moment of inertia</b> 0.132 kg m <sup>2</sup>	<b>Starts per hour max.</b> 15
<b>Power factor - 3/4 Load</b> 0.90	<b>Motor efficiency - 3/4 Load</b> 90.6 %	<b>Starting current, direct starting</b> 430 A	
<b>Power factor - 1/2 Load</b> 0.85	<b>Motor efficiency - 1/2 Load</b> 90.1 %	<b>Starting current, star-delta</b> 143 A	

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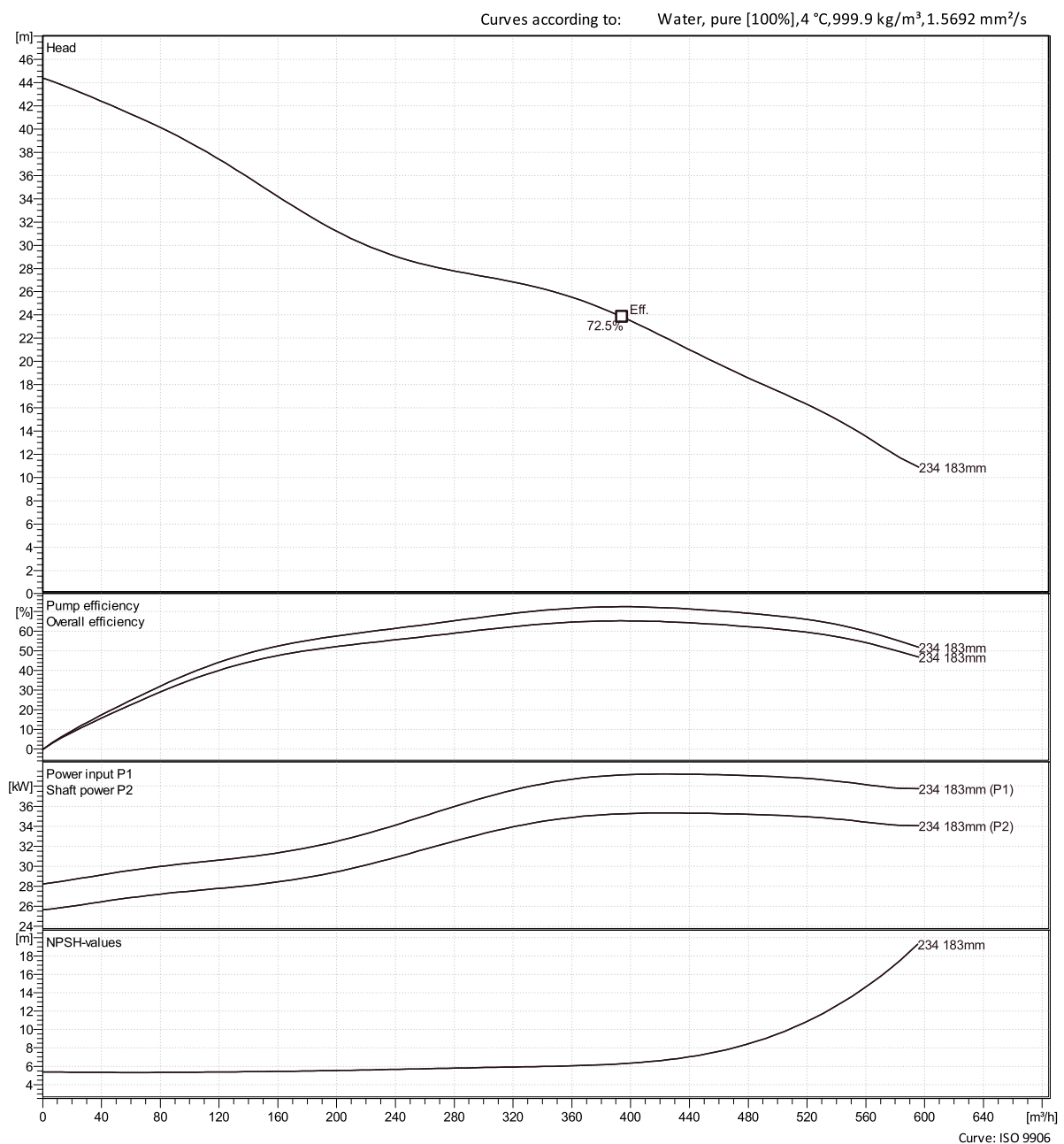
### Performance curve



#### Duty point

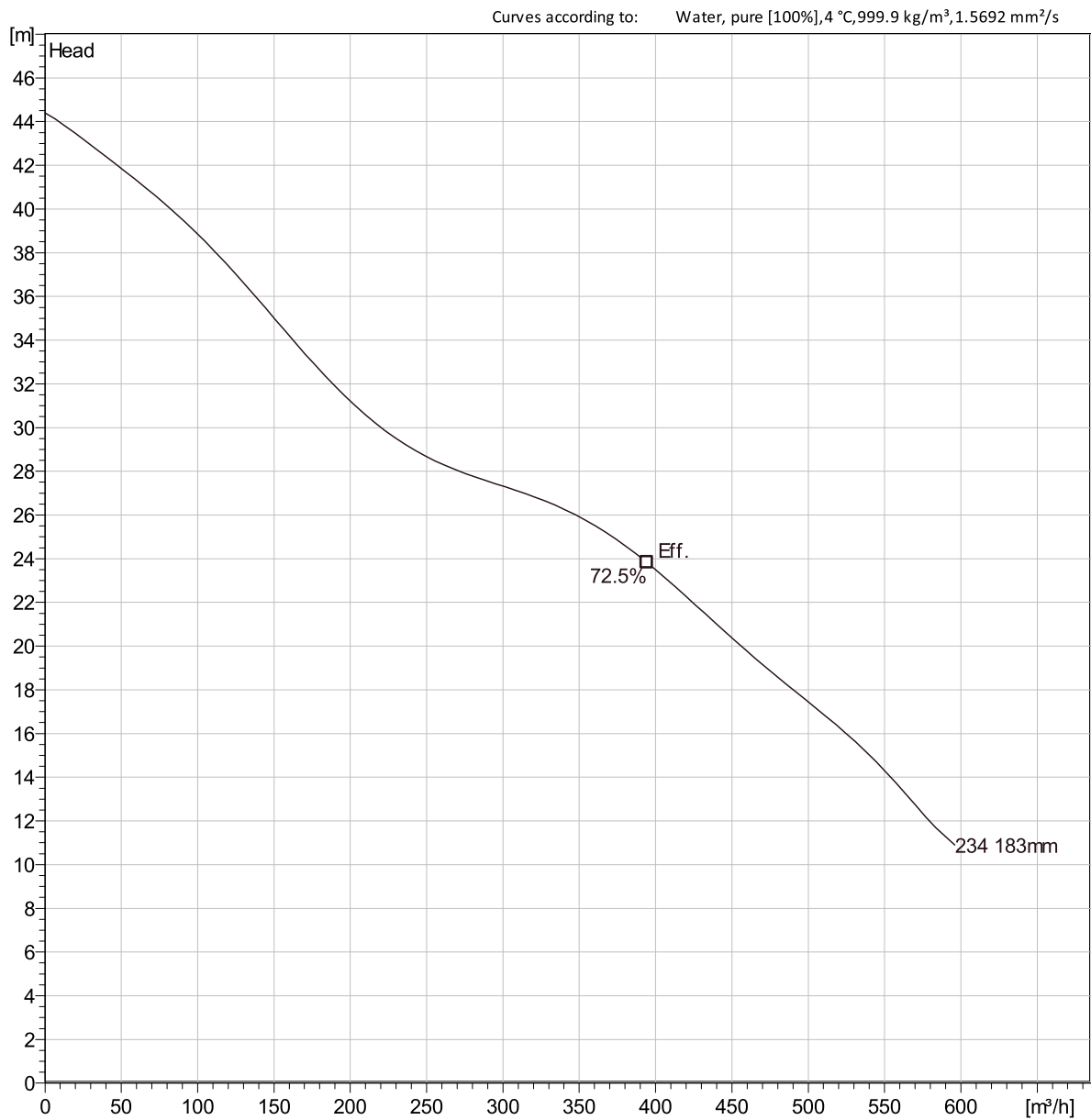
Flow

Head



8107.011 Maxi N 3~

Duty Analysis



Curve: ISO 9906

Operating characteristics

Pumps/Syste ms	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHr
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**8107.011 Maxi N 3~**

Dimensional drawing

