

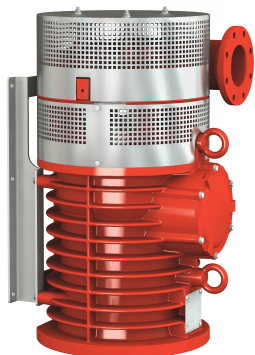
## 8124.400 Mega N 3~

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

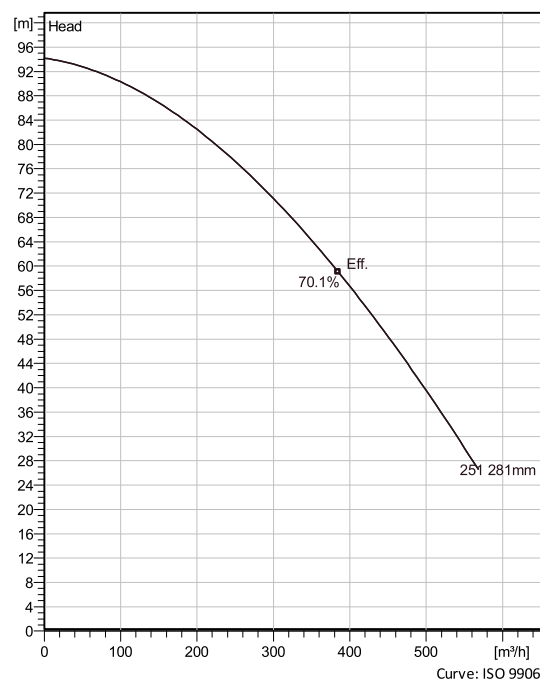
– up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.



### Technical specification



Curves according to: Water [100%], 4 °C, 999.9 kg/m<sup>3</sup>, 1.569 mm<sup>2</sup>/s



Curve: ISO 9906

### Configuration

**Motor number**  
B8124.400 42-26-2FF-W  
90KW

**Impeller diameter**  
281 mm

**Installation type**  
S - Portable Semi  
permanent, Wet

**Discharge diameter**  
150 mm

### Pump information

**Impeller diameter**  
281 mm

**Discharge diameter**  
150 mm

**Inlet diameter**

**Maximum operating speed**  
2960 rpm

**Number of blades**  
3

### Materials

**Impeller**  
Stainless steel

**Stator housing material**  
Grey cast iron

Project

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## 8124.400 Mega N 3~

### Technical specification



#### Motor - General

<b>Motor number</b> B8124.400 42-26-2FF-W 90KW	<b>Phases</b> 3~	<b>Rated speed</b> 2960 rpm	<b>Rated power</b> 90 kW
<b>ATEX approved</b> No	<b>Number of poles</b> 2	<b>Rated current</b> 155 A	<b>Stator variant</b> 38
<b>Frequency</b> 50 Hz	<b>Rated voltage</b> 380 V	<b>Insulation class</b> H	<b>Type of Duty</b> S1

#### Motor - Technical

<b>Power factor - 1/1 Load</b> 0.94	<b>Motor efficiency - 1/1 Load</b> 94.5 %	<b>Total moment of inertia</b> 0.829 kg m <sup>2</sup>	<b>Starts per hour max.</b> 30
<b>Power factor - 3/4 Load</b> 0.92	<b>Motor efficiency - 3/4 Load</b> 94.0 %	<b>Starting current, direct starting</b> 1180 A	
<b>Power factor - 1/2 Load</b> 0.87	<b>Motor efficiency - 1/2 Load</b> 93.5 %	<b>Starting current, star-delta</b> 393 A	

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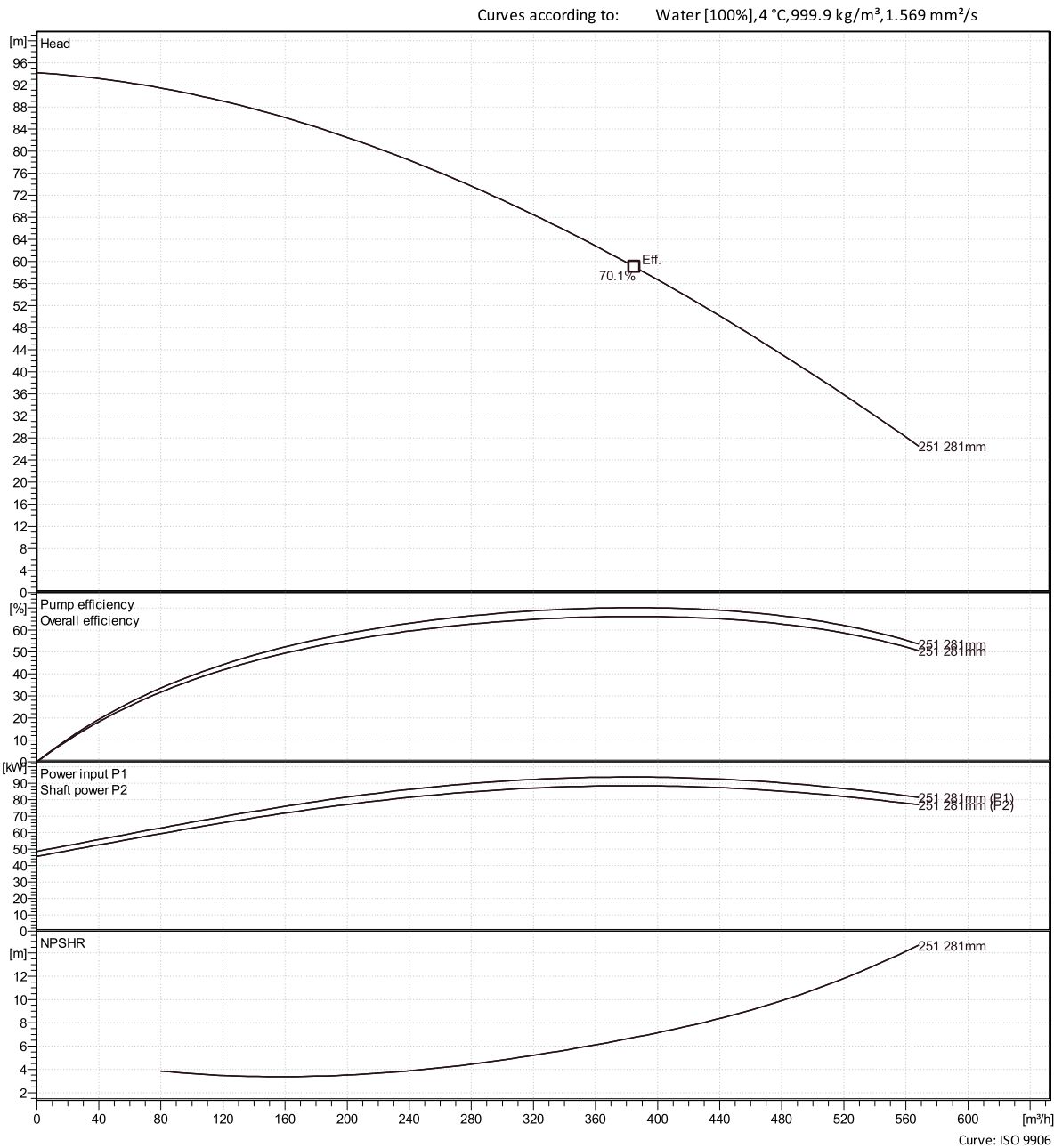
Performance curve



Duty point

Flow

Head



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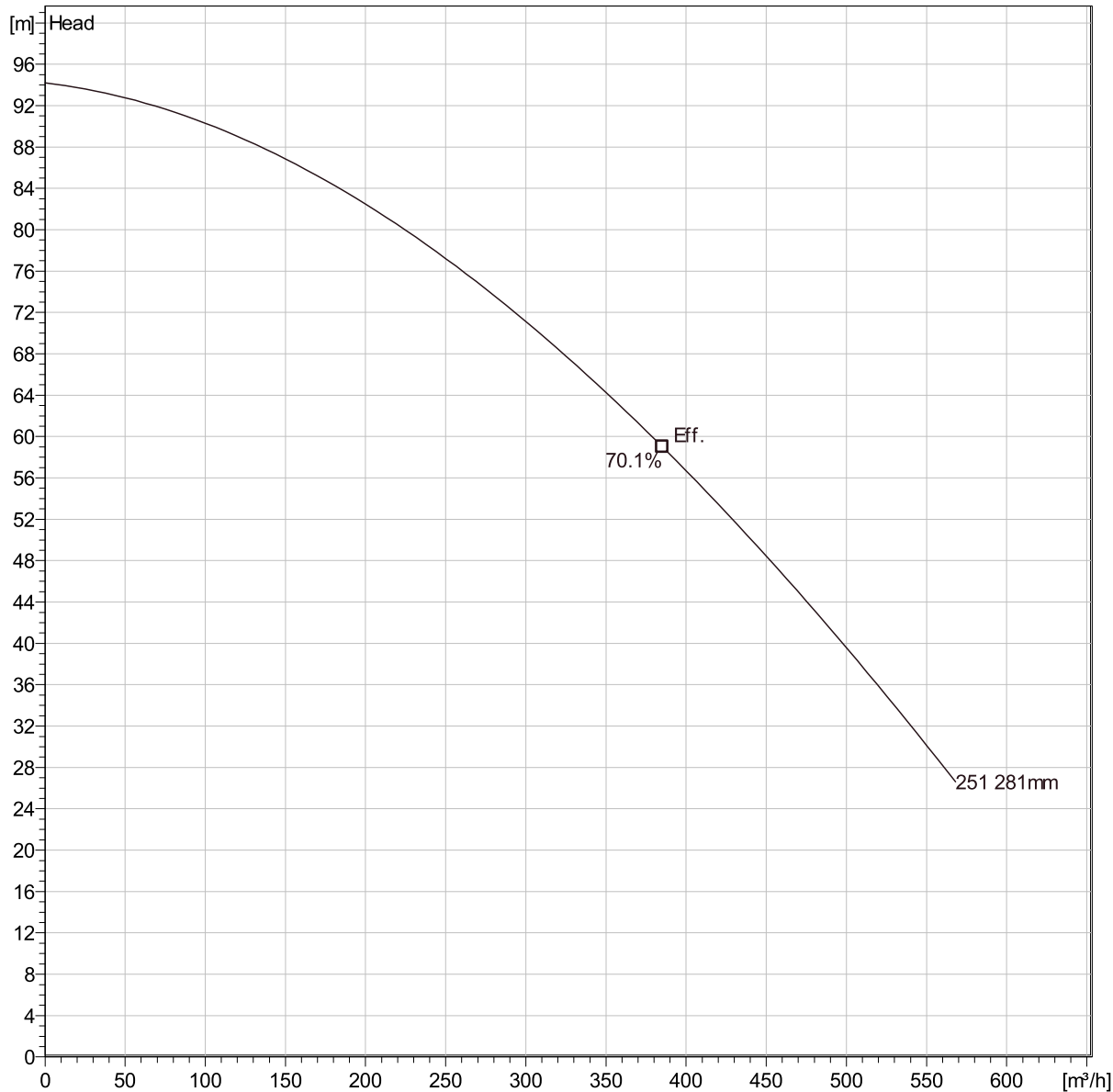
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Duty Analysis



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
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