

8102.172 Minette 1~

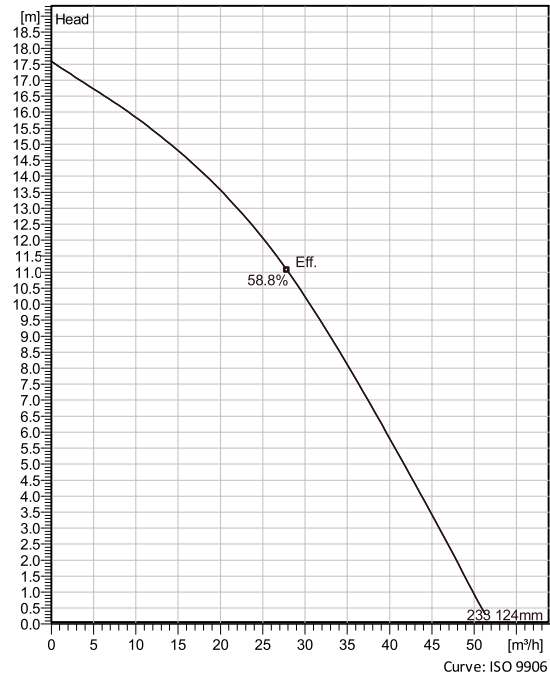
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids – up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, 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/m³, 1.569 mm²/s



Configuration

Motor number	Installation type
K8102.172 13-10-2BB-W	S - Portable Semi permanent, Wet
1.5KW	
Impeller diameter	Discharge diameter
124 mm	75 mm

Pump information

Impeller diameter
124 mm
Discharge diameter
75 mm
Inlet diameter
63 mm
Maximum operating speed
2810 rpm
Number of blades
5

Materials

Impeller
Hard-Iron

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

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### Technical specification



#### Motor - General

<b>Motor number</b> K8102.172 13-10-2BB-W 1.5KW	<b>Phases</b> 1~	<b>Rated speed</b> 2810 rpm	<b>Rated power</b> 1.5 kW
<b>ATEX approved</b> No	<b>Number of poles</b> 2	<b>Rated current</b> 8.7 A	<b>Stator variant</b> 1
<b>Frequency</b> 50 Hz	<b>Rated voltage</b> 220 V	<b>Insulation class</b> F	<b>Type of Duty</b> S1

#### Motor - Technical

<b>Power factor - 1/1 Load</b> 0.99	<b>Motor efficiency - 1/1 Load</b> 79.6 %	<b>Total moment of inertia</b> 0.00174 kg m <sup>2</sup>	<b>Starts per hour max.</b> 15
<b>Power factor - 3/4 Load</b> 0.99	<b>Motor efficiency - 3/4 Load</b> 80.5 %	<b>Starting current, direct starting</b> 31 A	
<b>Power factor - 1/2 Load</b> 1.00	<b>Motor efficiency - 1/2 Load</b> 76.9 %	<b>Starting current, star-delta</b> 10.3 A	

Project

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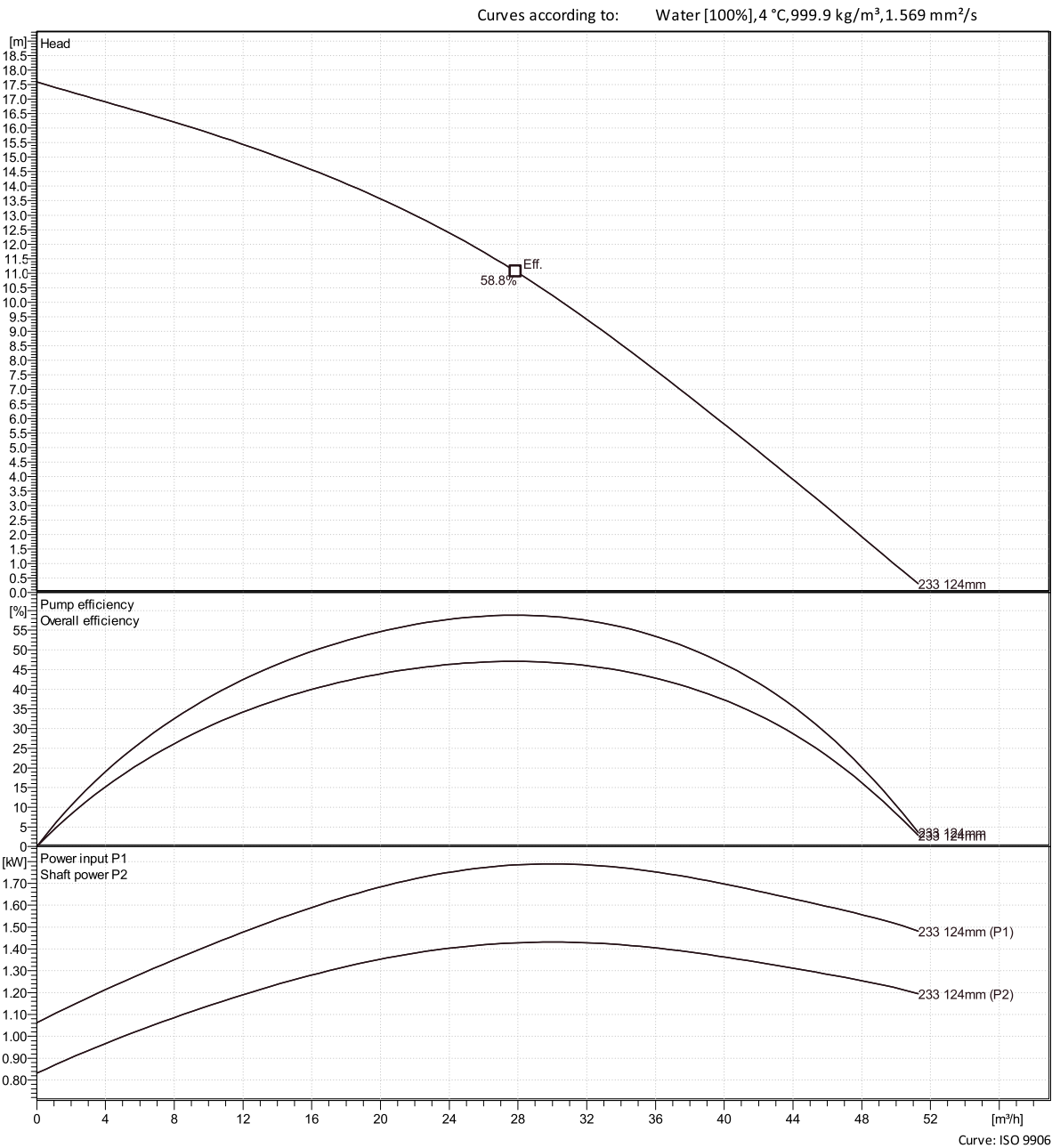
Performance curve



Duty point

Flow

Head



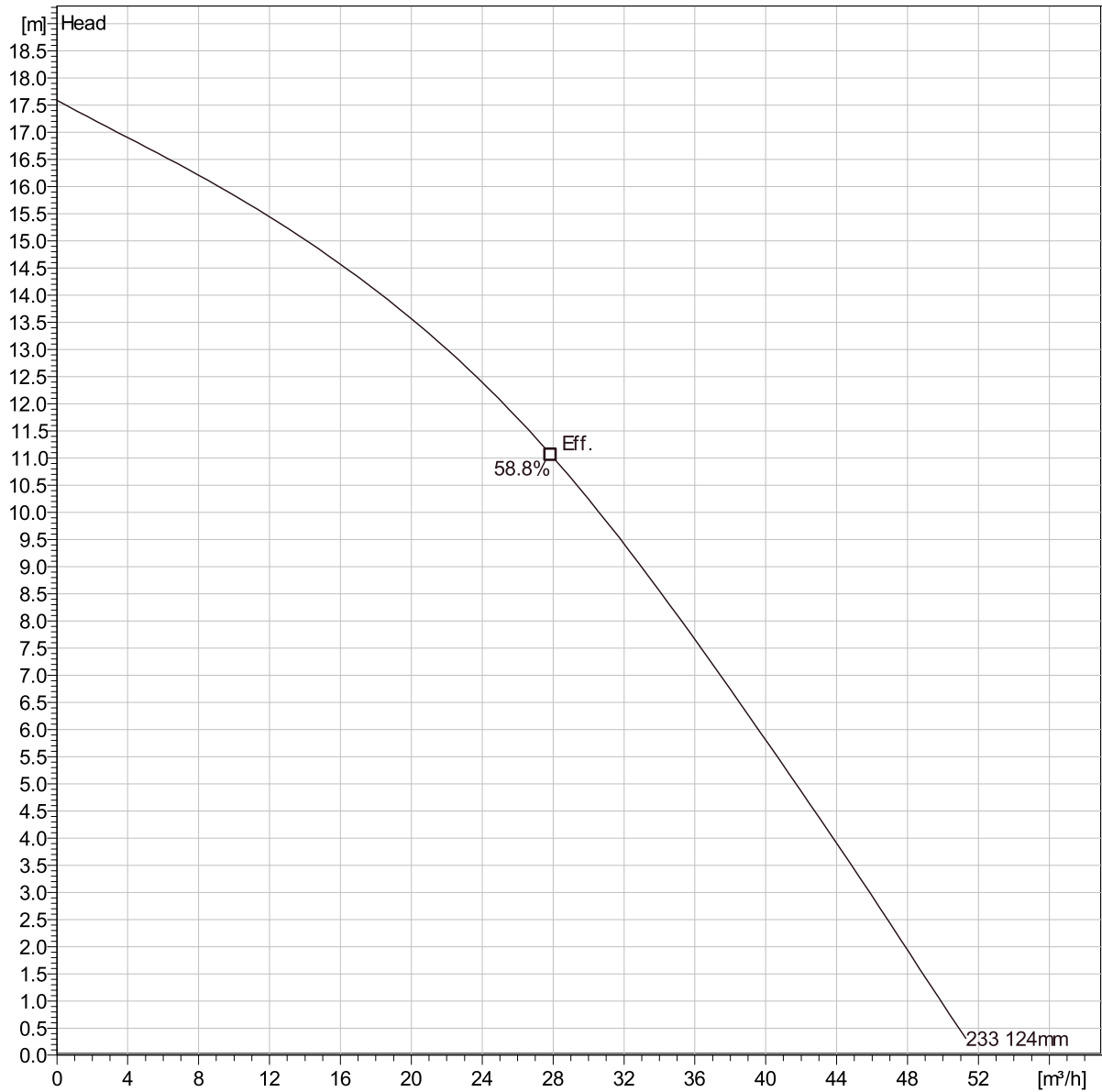
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Duty Analysis



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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