

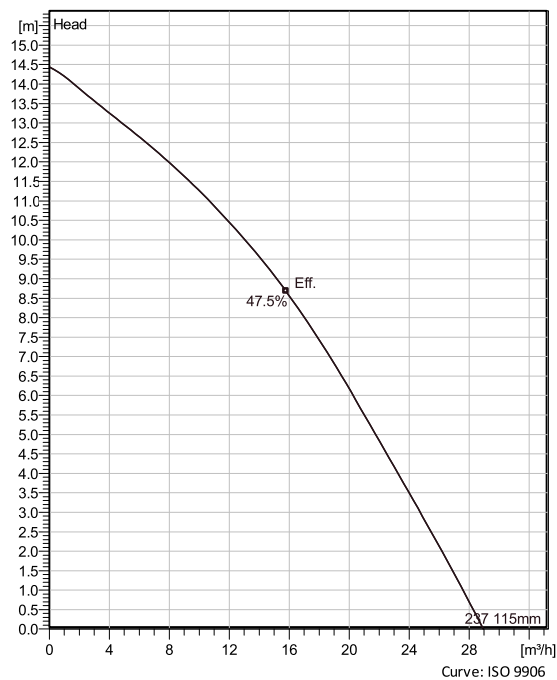
8101.172 Minex Lite 1~

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 K8101.172 13-06-2BB-W 0.85KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 115 mm	Discharge diameter 50 mm

Pump information

Impeller diameter 115 mm
Discharge diameter 50 mm
Inlet diameter 50 mm
Maximum operating speed 2755 rpm
Number of blades 4

Materials

Impeller Hard-Iron

Project
Block

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Created on

5/13/2020

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Technical specification



Motor - General

Motor number K8101.172 13-06-2BB-W 0.85KW	Phases 1~	Rated speed 2755 rpm	Rated power 0.85 kW
ATEX approved No	Number of poles 2	Rated current 11 A	Stator variant 3
Frequency 50 Hz	Rated voltage 110 V	Insulation class F	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.98	Motor efficiency - 1/1 Load 74.7 %	Total moment of inertia 0.0014 kg m ²	Starts per hour max. 15
Power factor - 3/4 Load 0.99	Motor efficiency - 3/4 Load 76.9 %	Starting current, direct starting 38 A	
Power factor - 1/2 Load 0.98	Motor efficiency - 1/2 Load 72.8 %	Starting current, star-delta 12.6 A	

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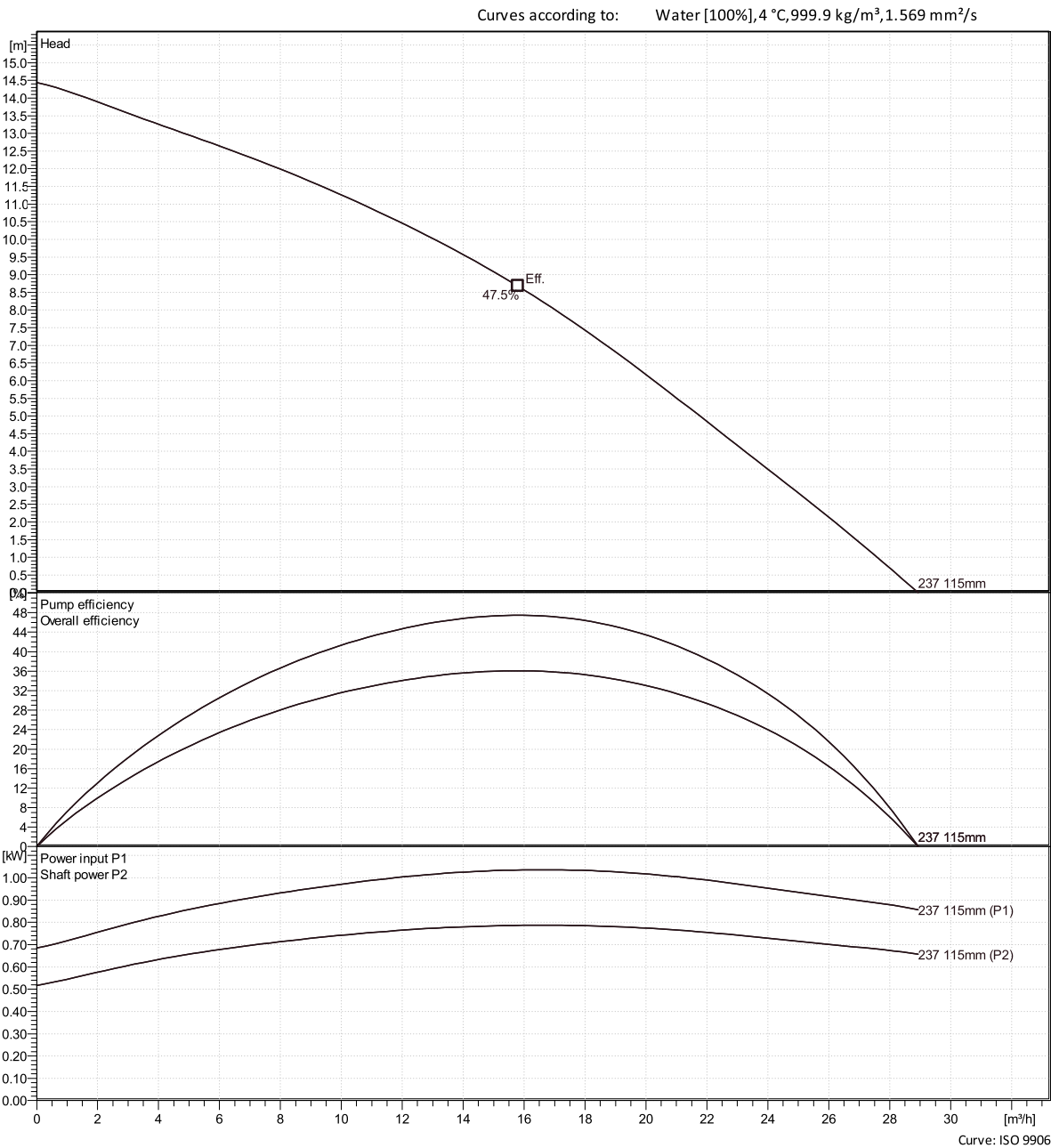
Performance curve



Duty point

Flow

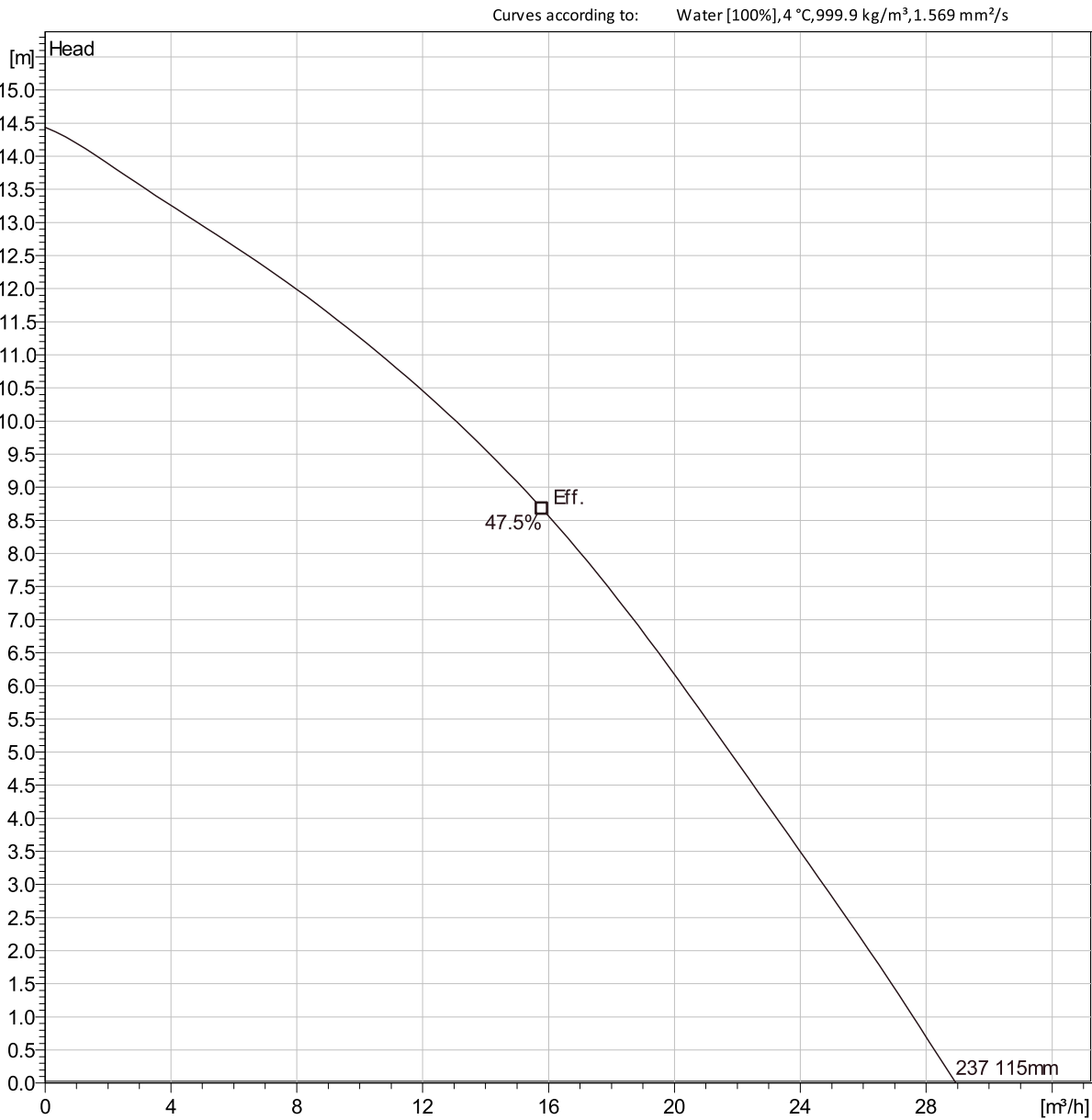
Head



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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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