

8108.010 Magnum H 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

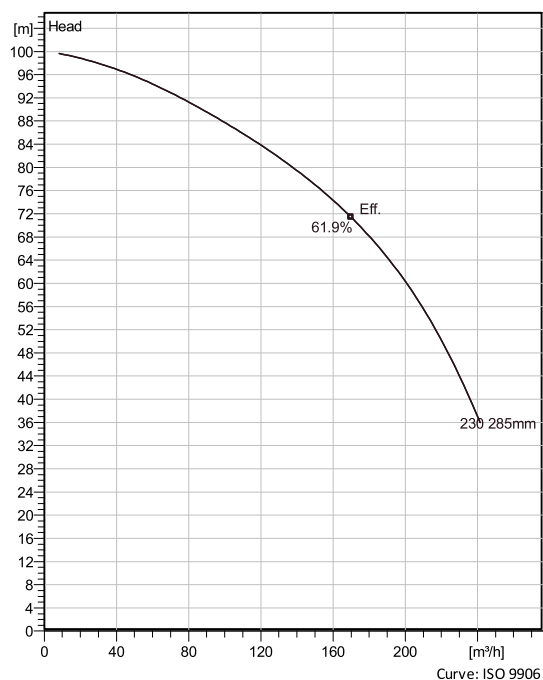
– up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.



Technical specification



Curves according to: Water, pure [100%], 4 °C, 999.9 kg/m³, 1.5692 mm²/s



Configuration

Motor number
B8108.010 35-25-2AA-W
57KW

Impeller diameter
285 mm

Installation type
S - Portable Semi
permanent, Wet

Discharge diameter
150 mm

Pump information

Impeller diameter
285 mm

Discharge diameter
150 mm

Inlet diameter
150 mm

Maximum operating speed
2950 rpm

Number of blades
5

Materials

Impeller
Hard-Iron

Stator housing material
Aluminium

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Technical specification



Motor - General

Motor number B8108.010 35-25-2AA-W 57KW	Phases 3~	Rated speed 2950 rpm	Rated power 57 kW
Approval No	Number of poles 2	Rated current 99 A	Stator variant 1
Frequency 50 Hz	Rated voltage 400 V	Insulation class H	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.92	Motor efficiency - 1/1 Load 89.5 %	Total moment of inertia 0.621 kg m ²	Starts per hour max. 15
Power factor - 3/4 Load 0.92	Motor efficiency - 3/4 Load 91.0 %	Starting current, direct starting 535 A	
Power factor - 1/2 Load 0.88	Motor efficiency - 1/2 Load 92.0 %	Starting current, star-delta 178 A	

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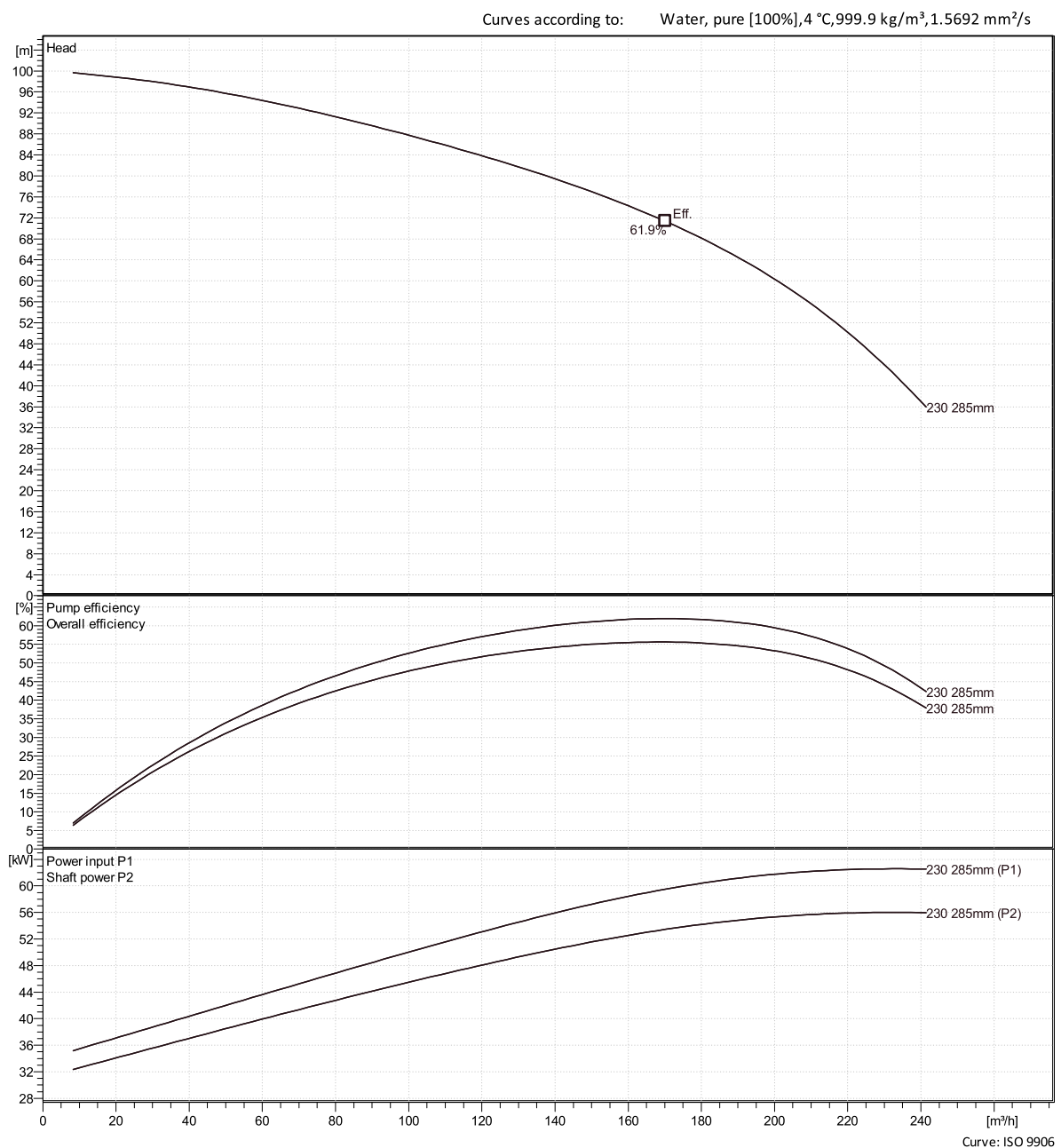
Performance curve



Duty point

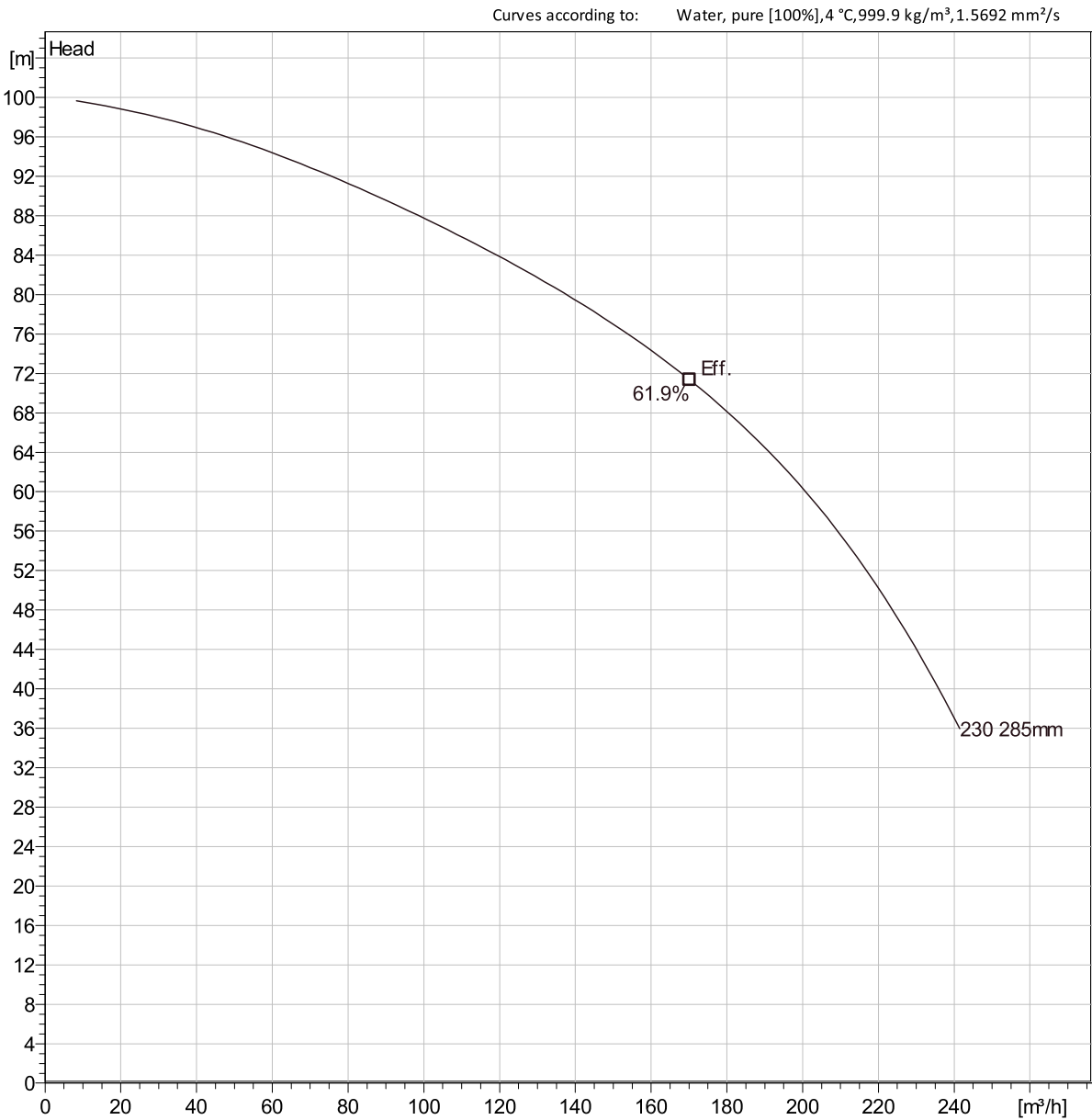
Flow

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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Dimensional drawing

