

8108.010 Magnum 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

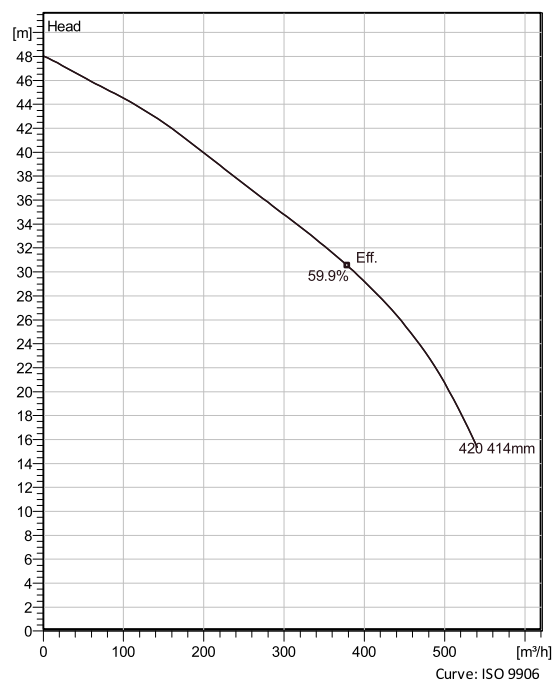
– up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.



Technical specification



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



Configuration

Motor number B8108.010 35-25-4AA-W 57KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 414 mm	Discharge diameter 250 mm

Pump information

Impeller diameter 414 mm
Discharge diameter 250 mm
Inlet diameter 210 mm
Maximum operating speed 1475 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 35-25-4AA-W 57KW	Phases 3~	Rated speed 1475 rpm	Rated power 57 kW
Approval No	Number of poles 4	Rated current 107 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 0.84	Motor efficiency - 1/1 Load 92.0 %	Total moment of inertia 0.751 kg m ²	Starts per hour max. 15
Power factor - 3/4 Load 0.80	Motor efficiency - 3/4 Load 93.0 %	Starting current, direct starting 490 A	
Power factor - 1/2 Load 0.71	Motor efficiency - 1/2 Load 93.0 %	Starting current, star-delta 163 A	

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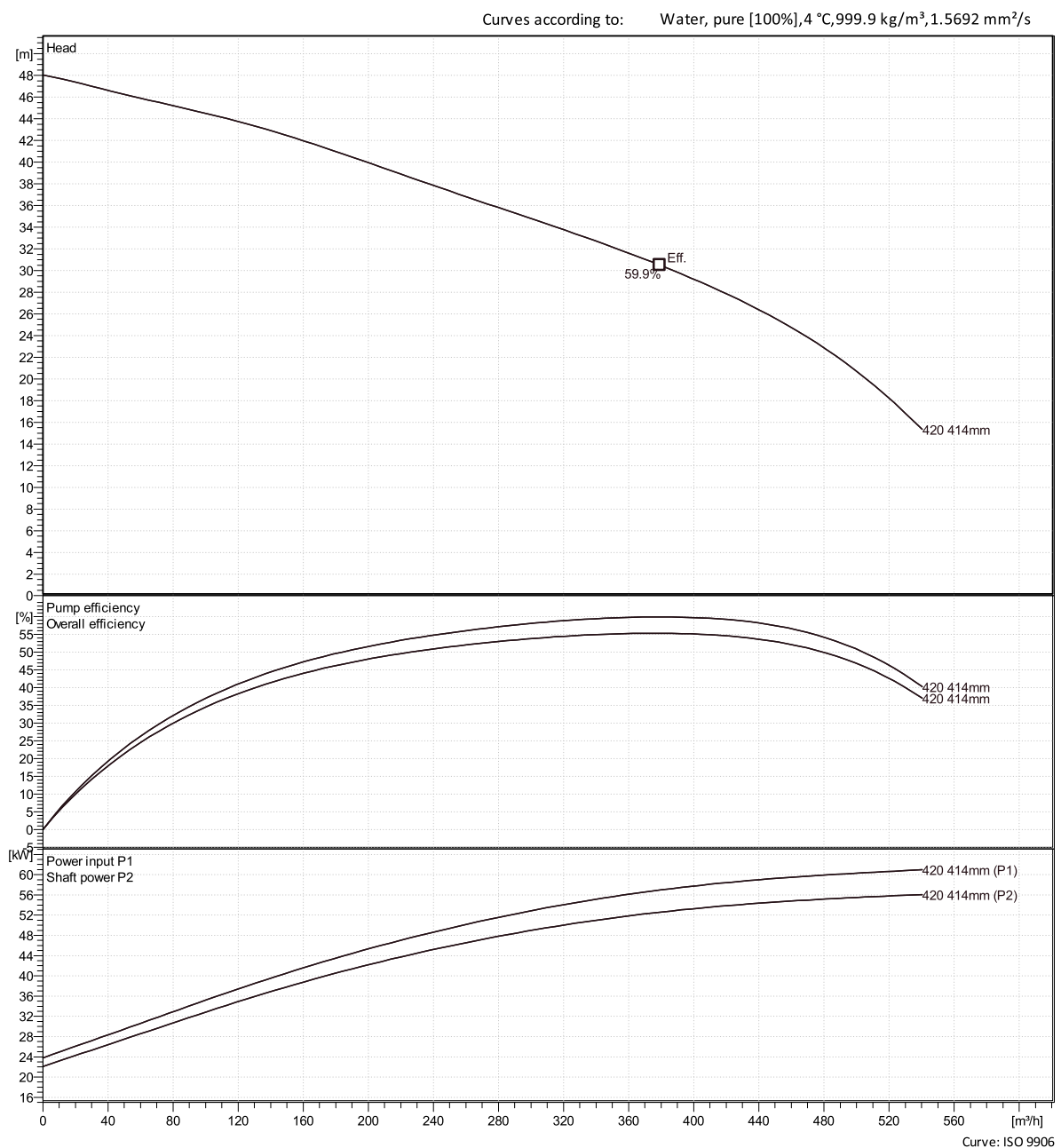
Performance curve



Duty point

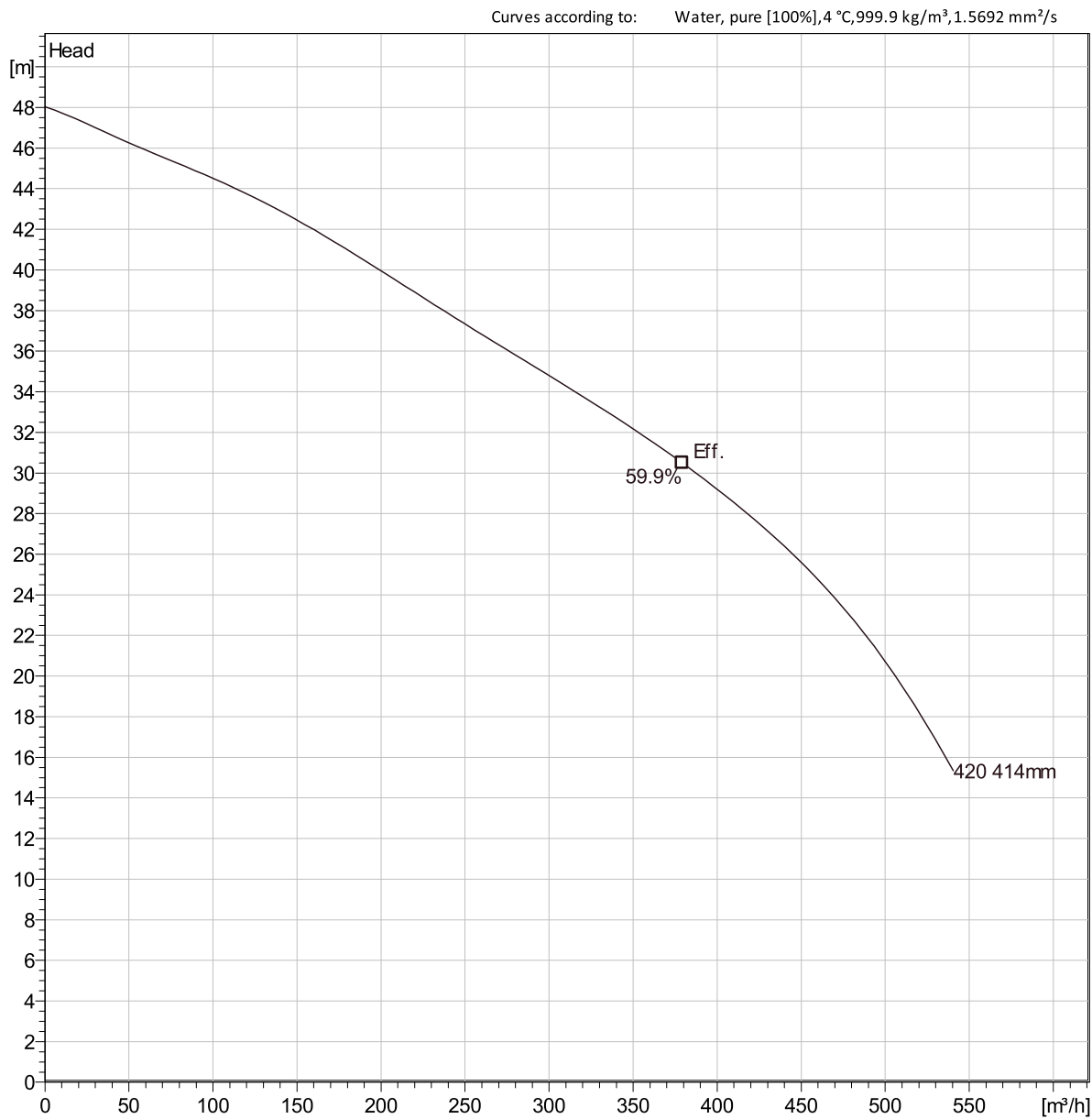
Flow

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

