

8103.181 Minor H 3~

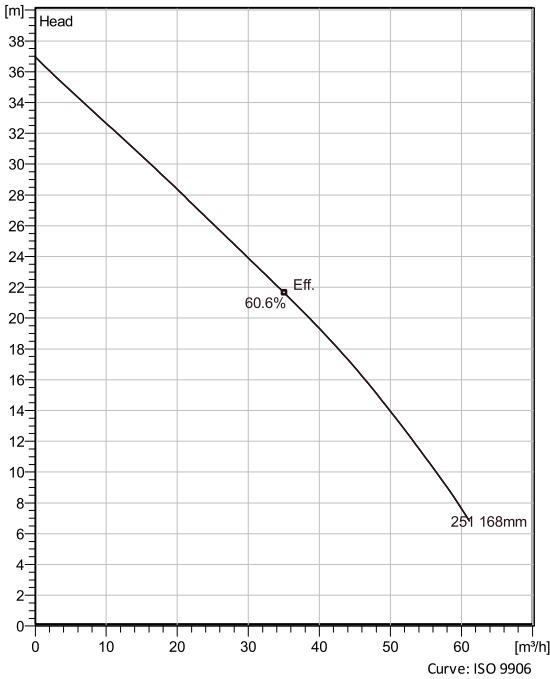
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids – up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, 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 [100%], 4 °C, 999.9 kg/m³, 1.569 mm²/s



Configuration

Motor number	Installation type
B8103.181 15-12-2BB-W	S - Portable Semi permanent, Wet
3.7KW	
Impeller diameter	Discharge diameter
168 mm	75 mm

Pump information

Impeller diameter
168 mm
Discharge diameter
75 mm
Inlet diameter
72 mm
Maximum operating speed
2855 rpm
Number of blades
2

Materials

Impeller
Hard-Iron
Stator housing material
Aluminium

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Technical specification



Motor - General

Motor number B8103.181 15-12-2BB-W 3.7KW	Phases 3~	Rated speed 2855 rpm	Rated power 3.7 kW
ATEX approved No	Number of poles 2	Rated current 13 A	Stator variant 5
Frequency 50 Hz	Rated voltage 220 V	Insulation class H	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.92	Motor efficiency - 1/1 Load 83.2 %	Total moment of inertia 0.0119 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.88	Motor efficiency - 3/4 Load 85.5 %	Starting current, direct starting 80 A	
Power factor - 1/2 Load 0.78	Motor efficiency - 1/2 Load 86.2 %	Starting current, star-delta 26.6 A	

Project

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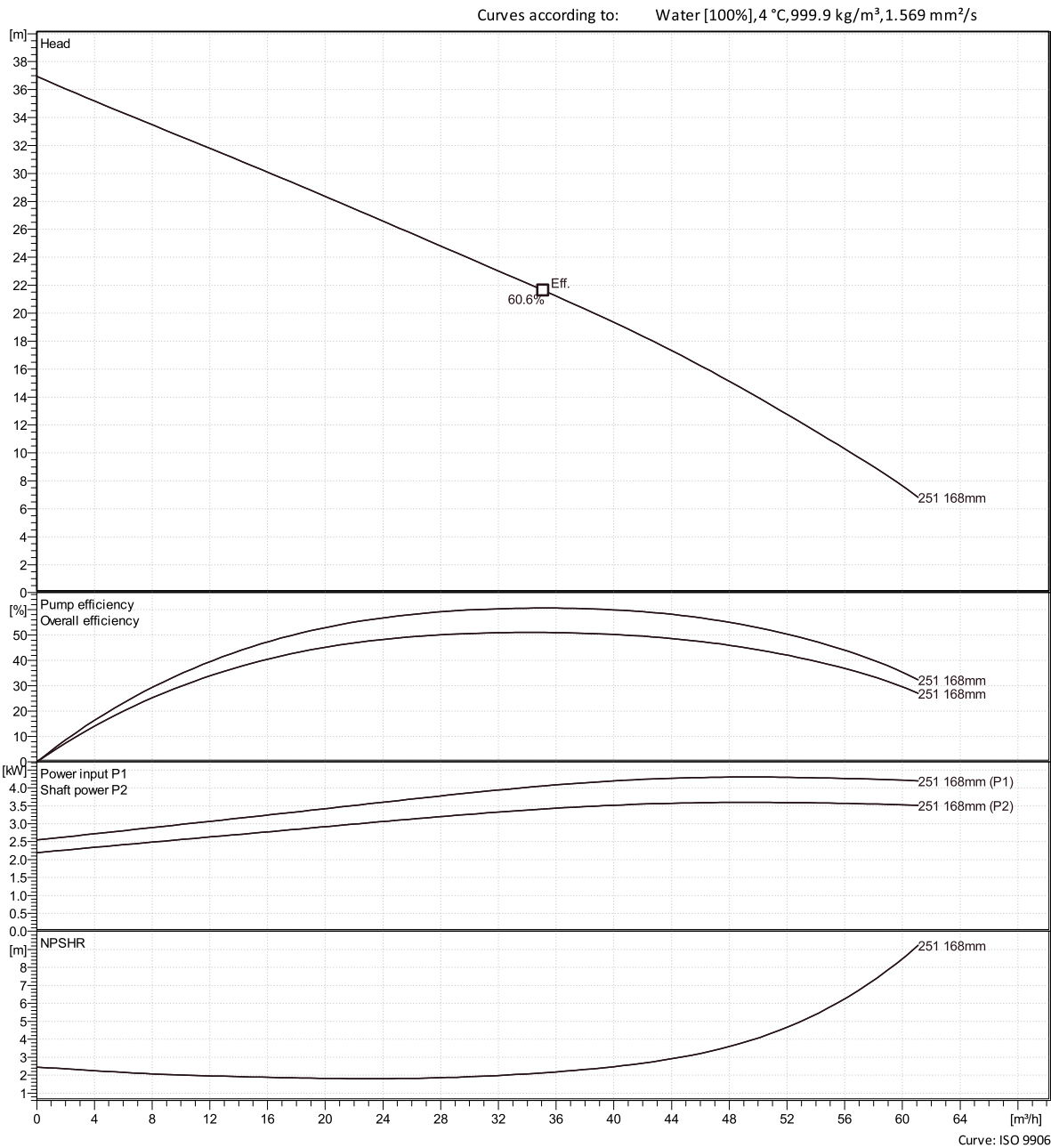
Performance curve



Duty point

Flow

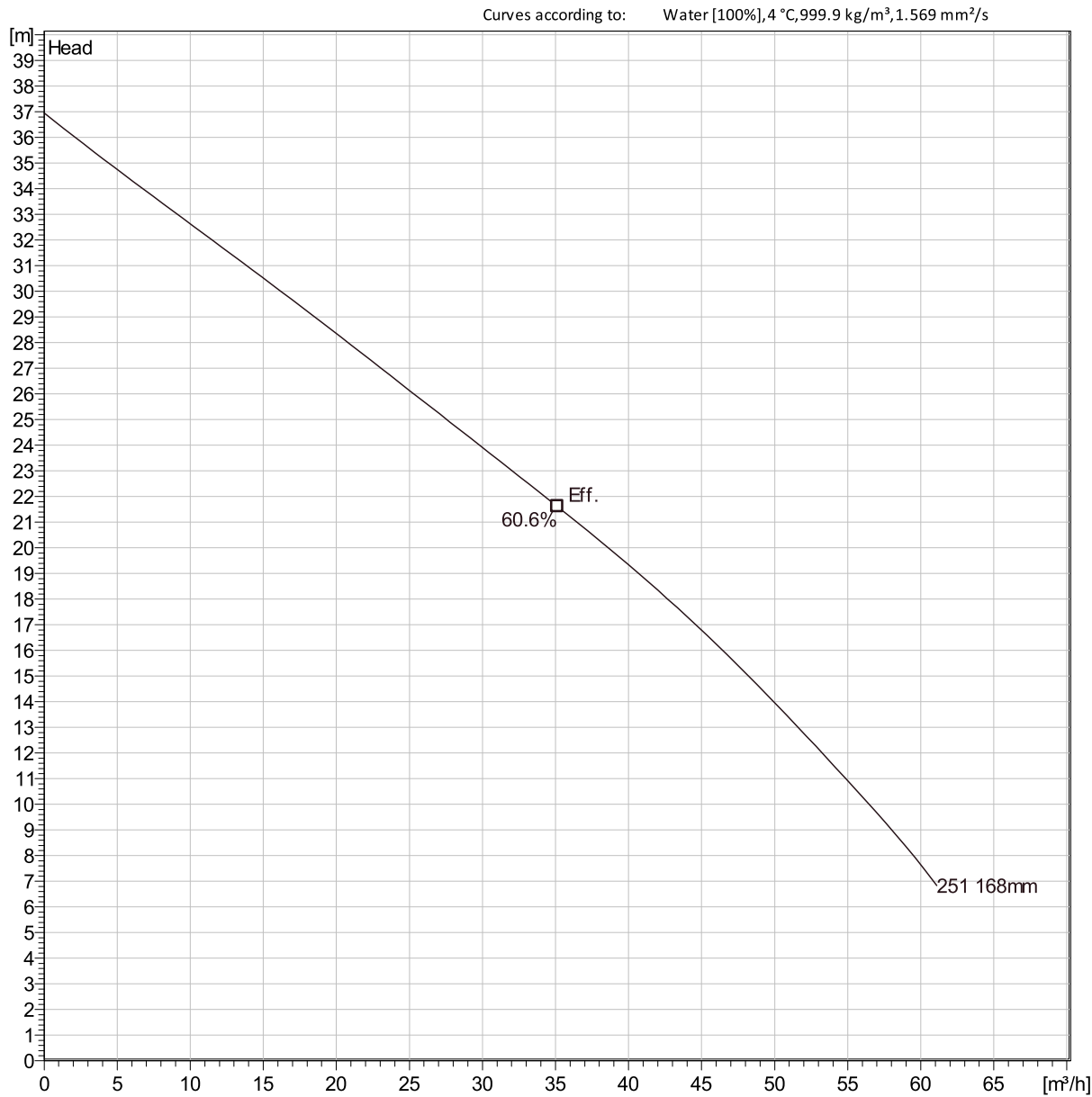
Head



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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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