

8108.010 Magnum L 3~

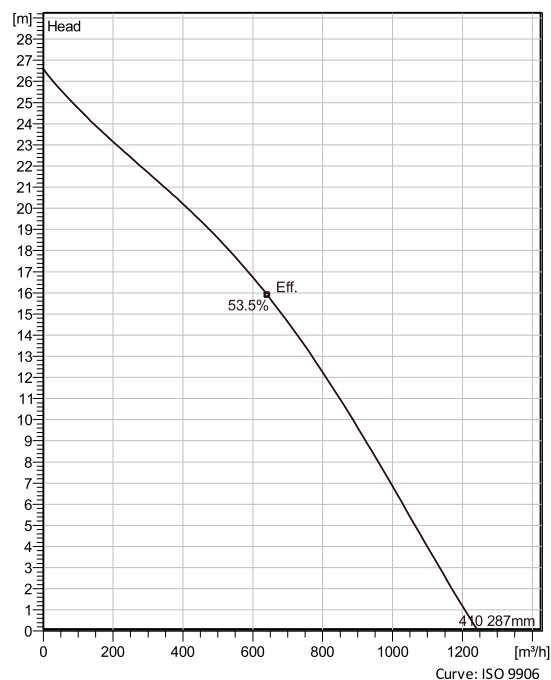
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids

– 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

Impeller diameter
287 mm

Installation type
S - Portable Semi
permanent, Wet

Discharge diameter
250 mm

Pump information

Impeller diameter
287 mm

Discharge diameter
250 mm

Inlet diameter
240 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 0.691 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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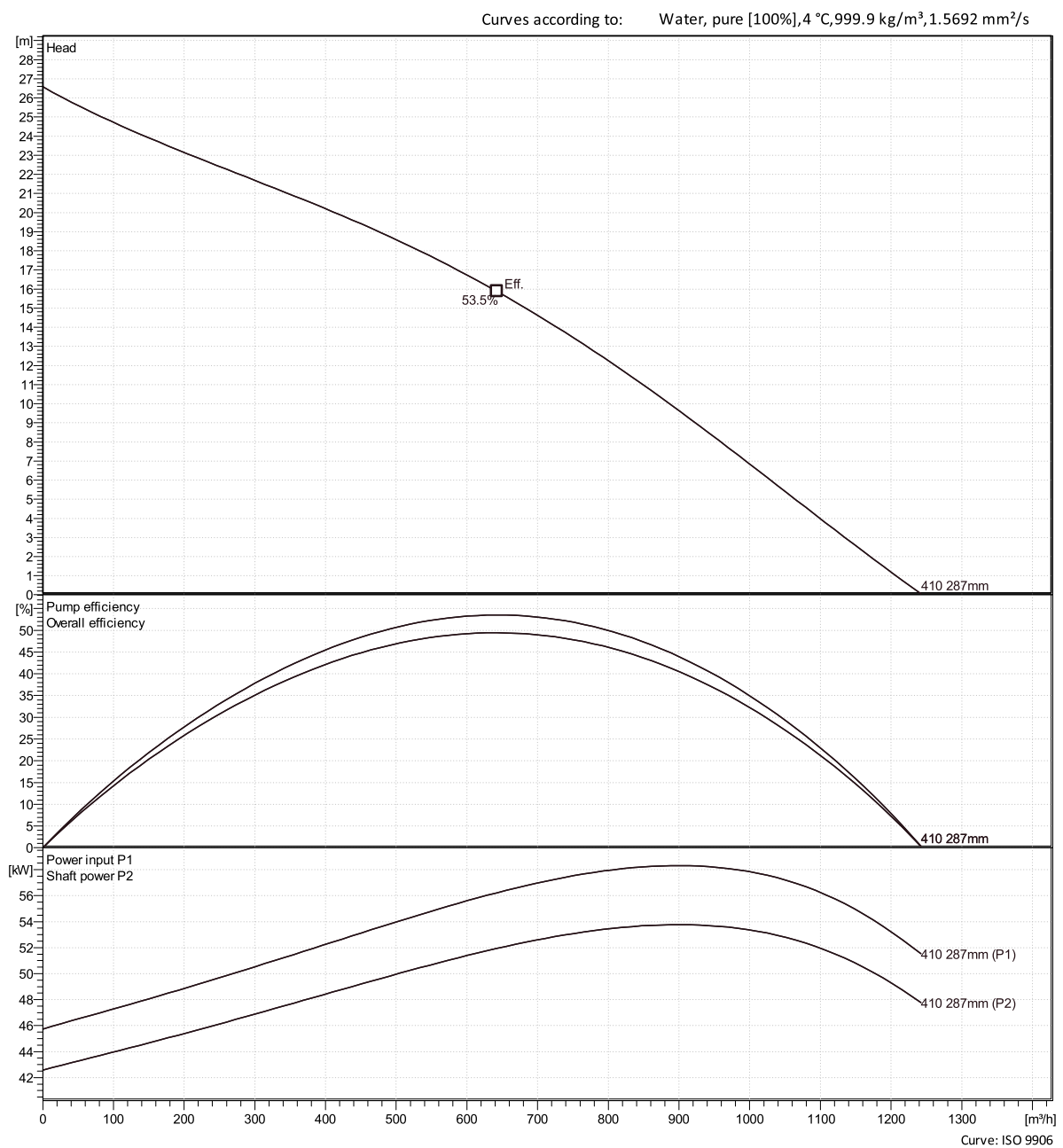
Performance curve



Duty point

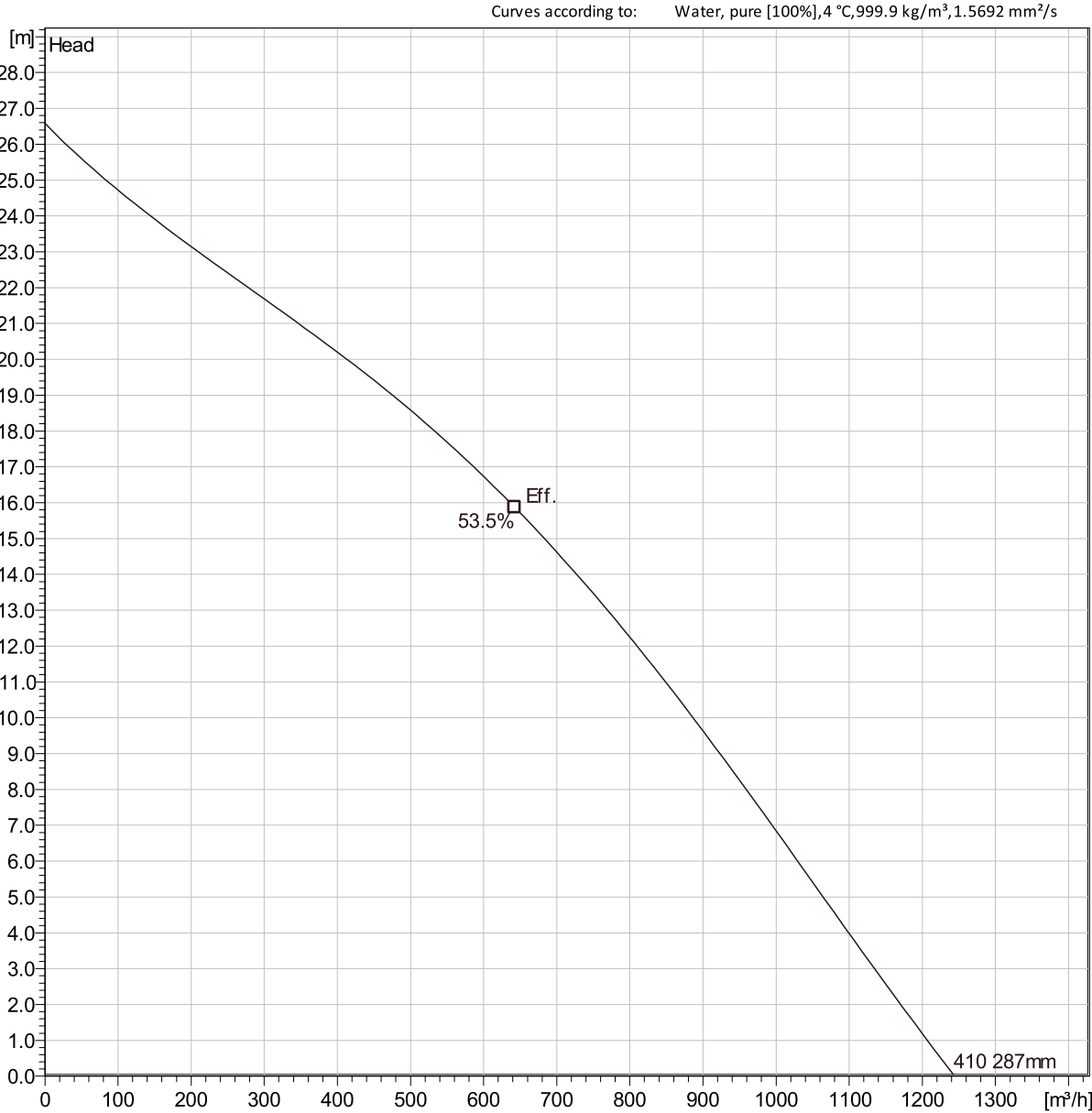
Flow

Head



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Duty Analysis



Operating characteristics

Curve: ISO 9906

| Pumps/Syste ms | Flow | Head | Shaft power | Flow | Head | Shaft power | Hydr.eff. | Specific Energy | NPSHr |
|-------------------|------|------|-------------|------|------|-------------|-----------|--------------------|-------|
|-------------------|------|------|-------------|------|------|-------------|-----------|--------------------|-------|

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Dimensional drawing

