

8110.281 Senior 3~

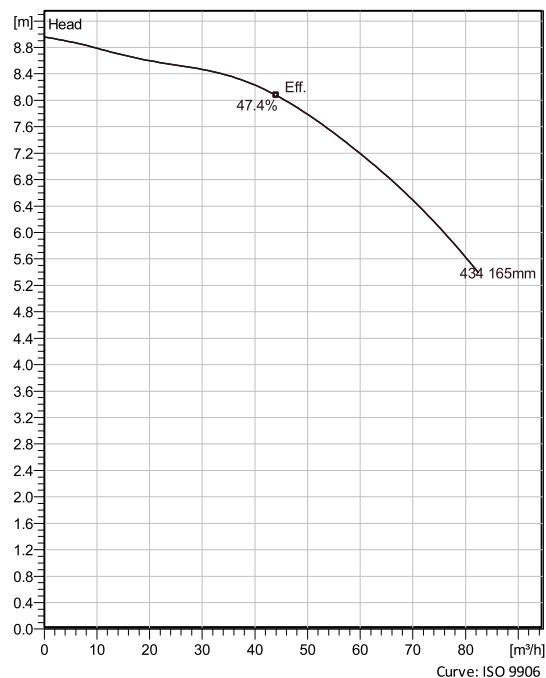
Grindex sludge pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water with high content of solids, up to the size of 80 mm. The pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries, car washes and rental applications.



Technical specification



Curves according to: Water [100%], 4 °C, 999.9 kg/m³, 1.569 mm²/s



Configuration

Motor number D8110.281 15-14-4AA-W 3.2KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 165 mm	Discharge diameter 80 mm

Pump information

Impeller diameter 165 mm
Discharge diameter 80 mm
Inlet diameter 80 mm
Maximum operating speed 1395 rpm
Number of blades 6

Materials

Impeller Hard-Iron
Stator housing material Aluminium

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Technical specification



Motor - General

Motor number D8110.281 15-14-4AA-W 3.2KW	Phases 3~	Rated speed 1395 rpm	Rated power 3.2 kW
ATEX approved No	Number of poles 4	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 0.83	Motor efficiency - 1/1 Load 77.0 %	Total moment of inertia 0.0135 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.77	Motor efficiency - 3/4 Load 79.0 %	Starting current, direct starting 65 A	
Power factor - 1/2 Load 0.66	Motor efficiency - 1/2 Load 78.0 %	Starting current, star-delta 21.7 A	

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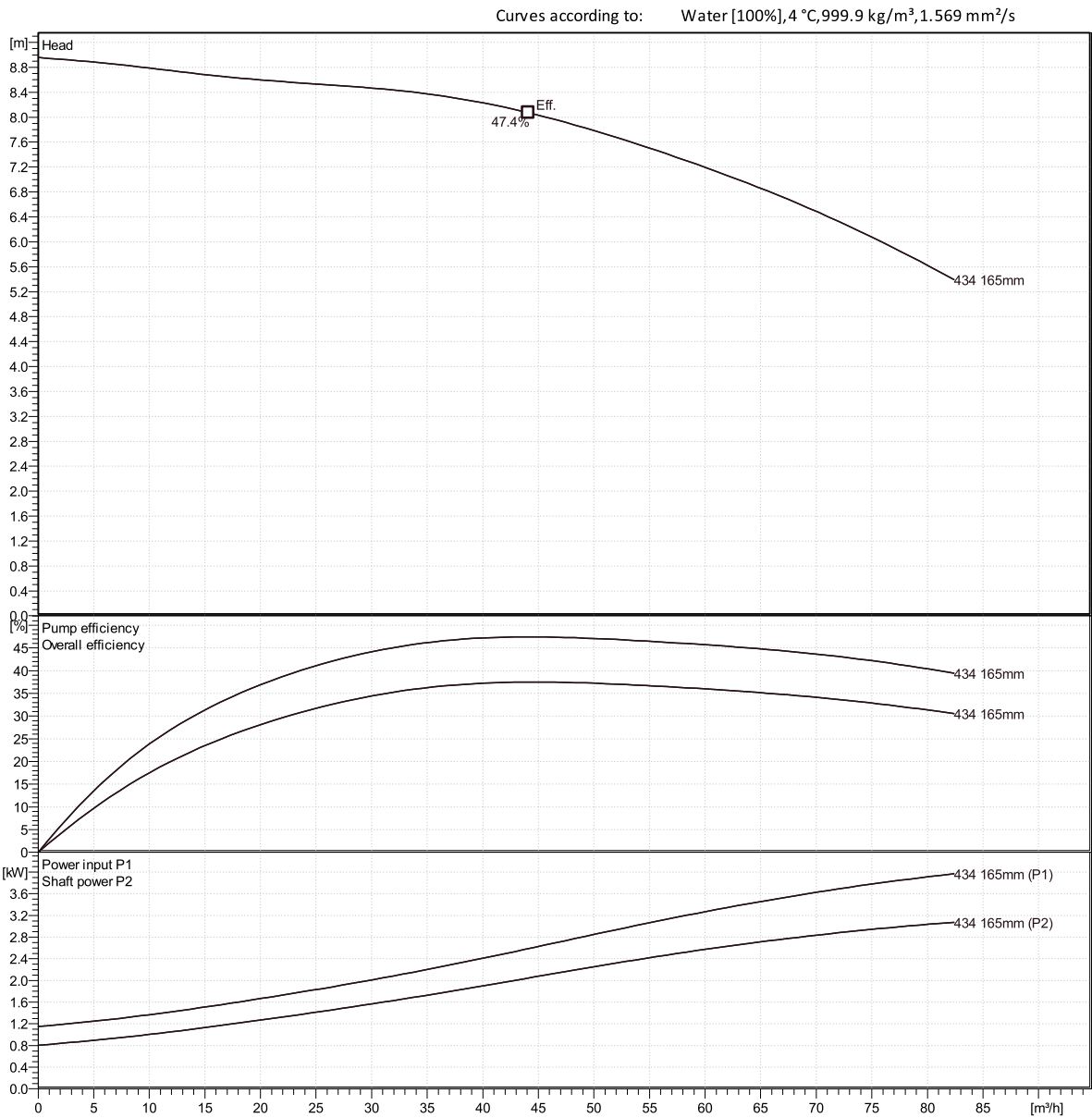
Performance curve



Duty point

Flow

Head

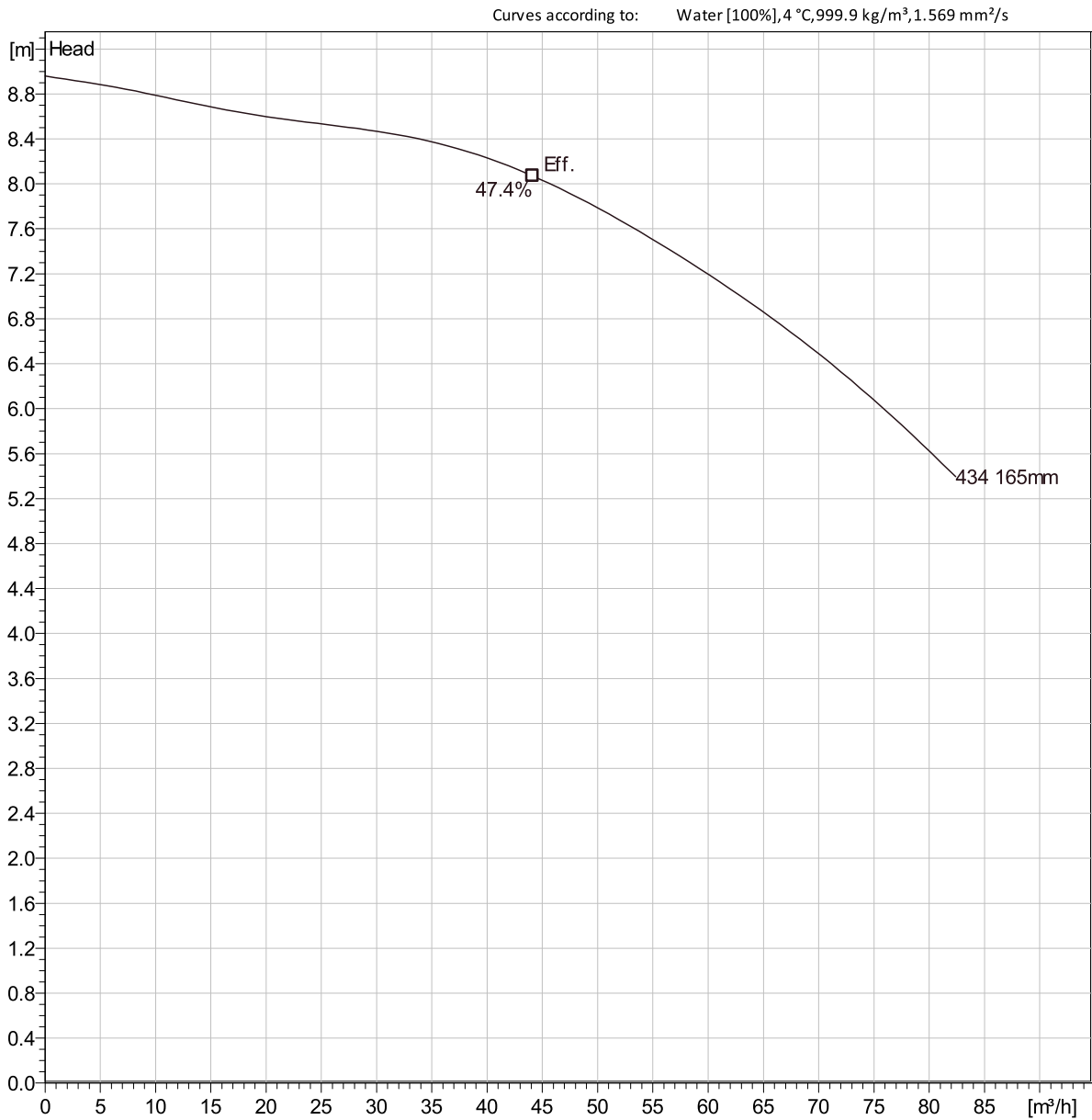


Curve: ISO 9906

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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



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