

8124.400 Mega H 3~

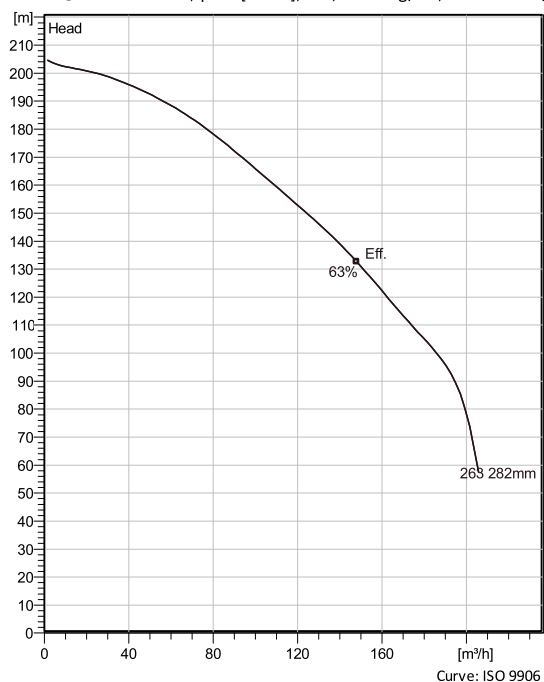
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids

– 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
B8124.400 42-26-2FF-W
90KW

Impeller diameter
282 mm

Installation type
S - Portable Semi
permanent, Wet

Discharge diameter
100 mm

Pump information

Impeller diameter
282 mm

Discharge diameter
100 mm

Inlet diameter

Maximum operating speed
2965 rpm

Number of blades
3

Materials

Impeller
Stainless steel

Stator housing material
Grey cast iron

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Technical specification



Motor - General

Motor number B8124.400 42-26-2FF-W 90KW	Phases 3~	Rated speed 2965 rpm	Rated power 90 kW
Approval No	Number of poles 2	Rated current 148 A	Stator variant 38
Frequency 50 Hz	Rated voltage 400 V	Insulation class H	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.93	Motor efficiency - 1/1 Load 94.5 %	Total moment of inertia 1.14 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.90	Motor efficiency - 3/4 Load 94.0 %	Starting current, direct starting 1240 A	
Power factor - 1/2 Load 0.84	Motor efficiency - 1/2 Load 93.5 %	Starting current, star-delta 415 A	

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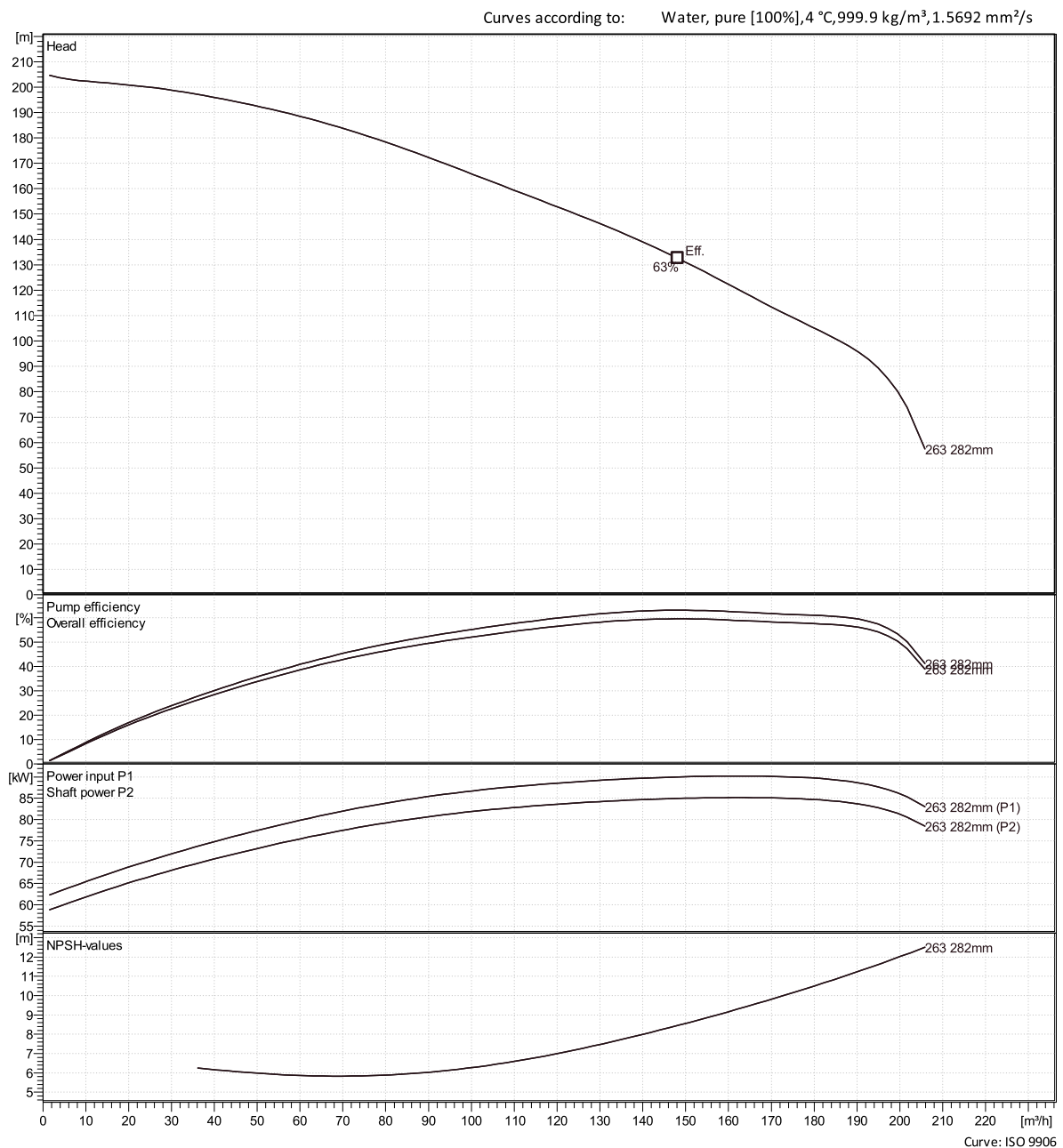
Performance curve



Duty point

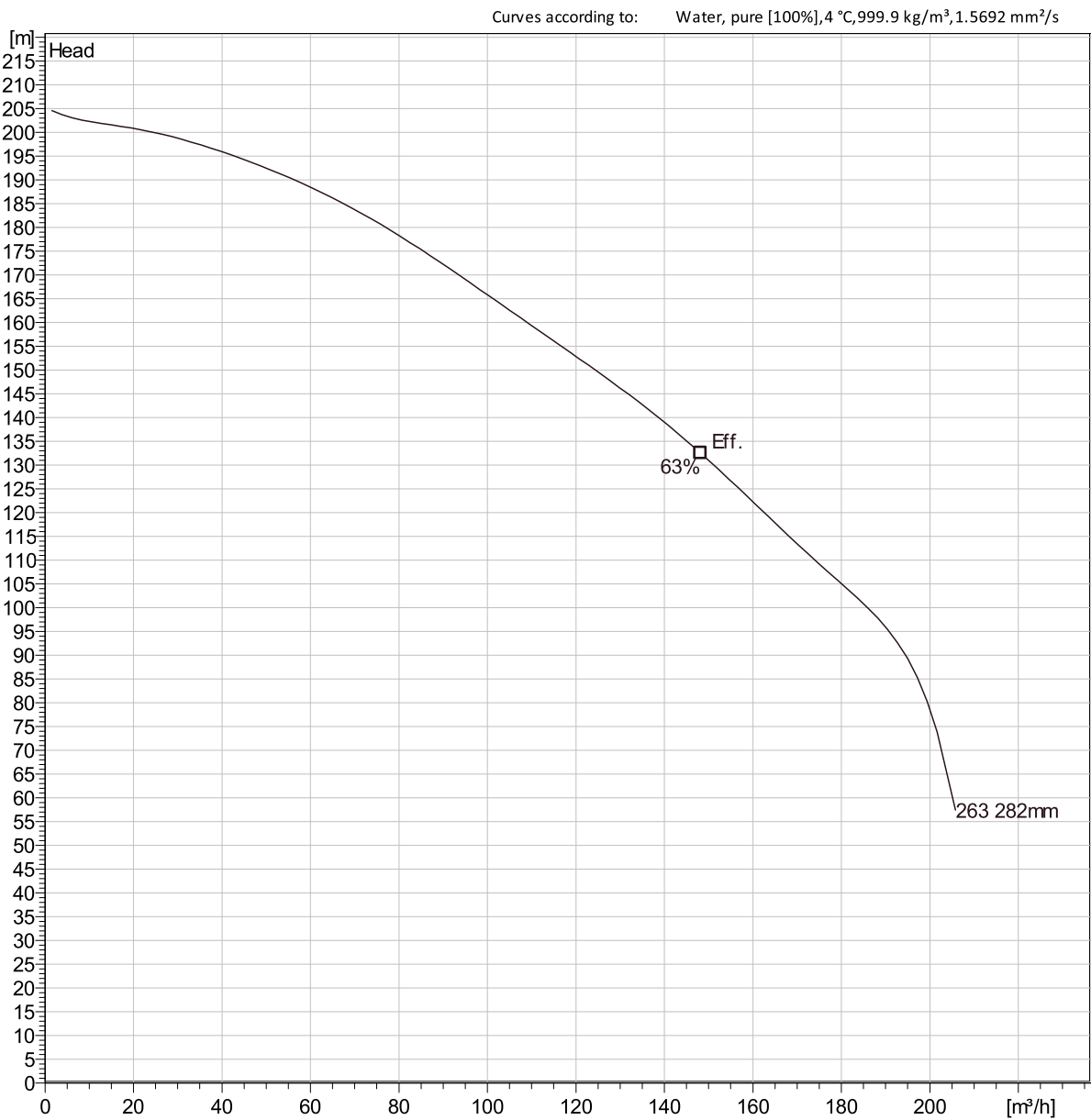
Flow

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

