

DS 2640 HT 3~ 259

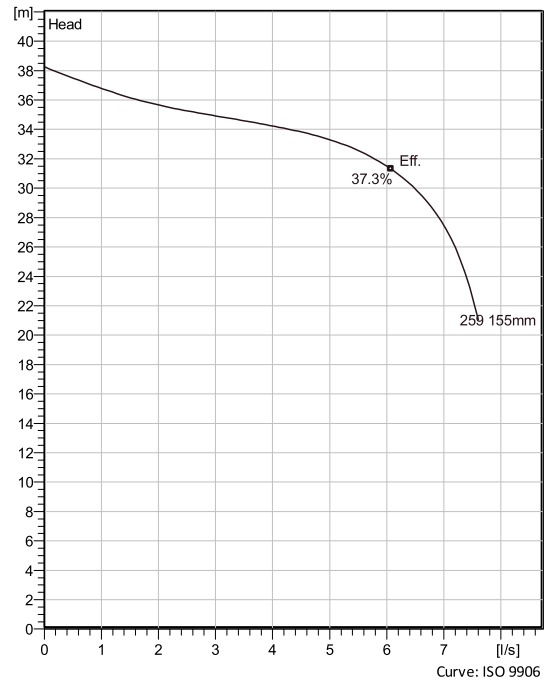
Portable pumps with vortex impellers ideal for applications in which the water or liquid contains concentrations of abrasives when clogging problems can occur.



Technical specification



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



Configuration

Motor number D2640.281 15-14-2BB-W 5.6KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 155 mm	Discharge diameter 80 mm

Pump information

Impeller diameter 155 mm
Discharge diameter 80 mm
Inlet diameter 80 mm
Maximum operating speed 2890 rpm
Number of blades 12
Max. fluid temperature 40 °C

Materials

Impeller Hard-Iron
Stator housing material Aluminium

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Technical specification



Motor - General

Motor number D2640.281 15-14-2BB-W 5.6KW	Phases 3~	Rated speed 2890 rpm	Rated power 5.6 kW
Approval No	Number of poles 2	Rated current 11 A	Stator variant 5
Frequency 50 Hz	Rated voltage 400 V	Insulation class H	Type of Duty S1
Version code 281			

Motor - Technical

Power factor - 1/1 Load 0.89	Motor efficiency - 1/1 Load 84.3 %	Total moment of inertia 0.0085 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.84	Motor efficiency - 3/4 Load 85.5 %	Starting current, direct starting 75 A	
Power factor - 1/2 Load 0.73	Motor efficiency - 1/2 Load 84.9 %	Starting current, star-delta 25 A	

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Performance curve

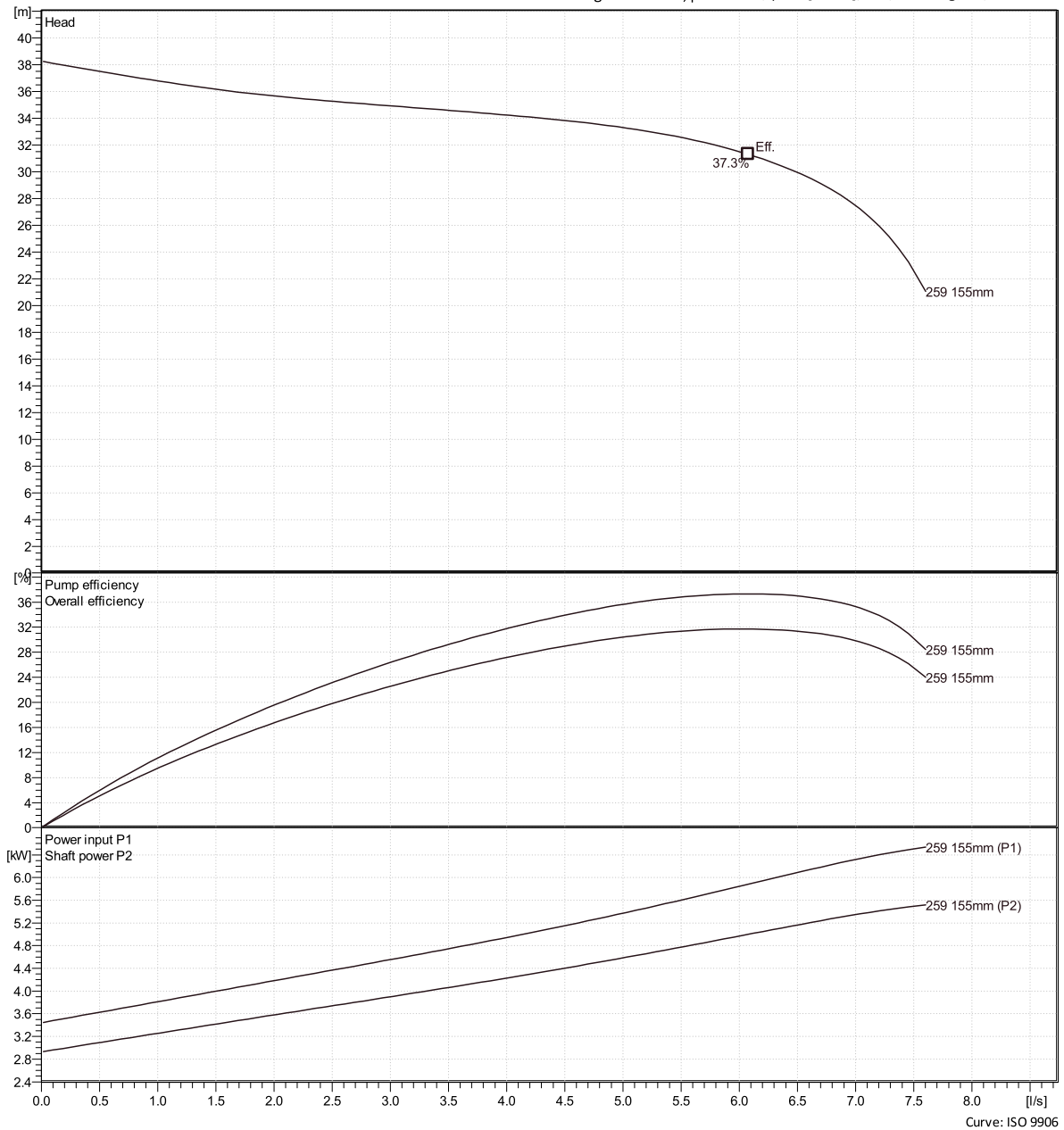


Duty point

Flow

Head

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



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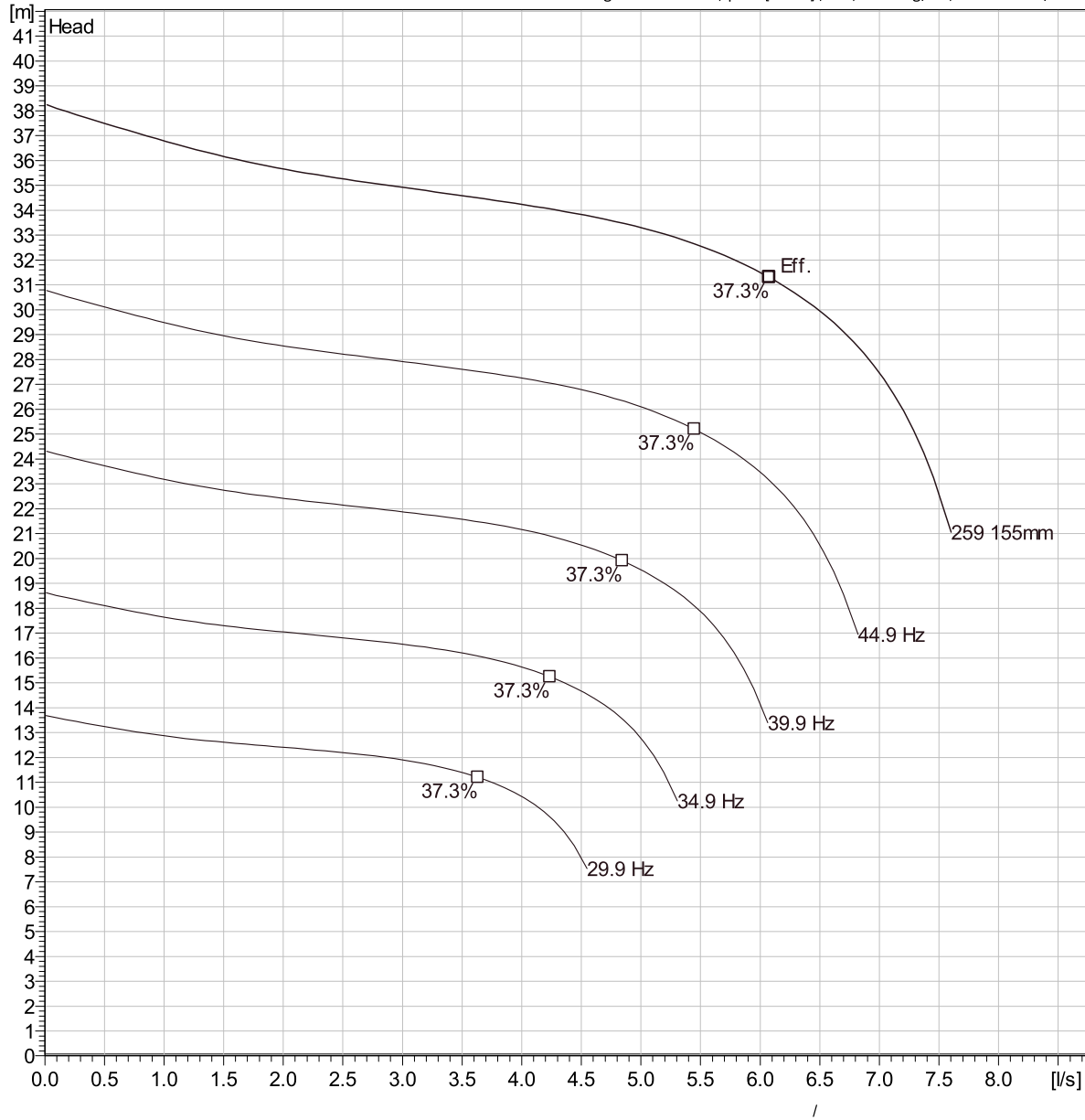
Curve: ISO 9906

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Duty Analysis



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



Operating characteristics

Pumps / Systems	Flow l/s	Head m	Shaft power kW	Flow l/s	Head m	Shaft power kW	Hydr. eff.	Spec. Energy kWh/m ³	NPSHre m
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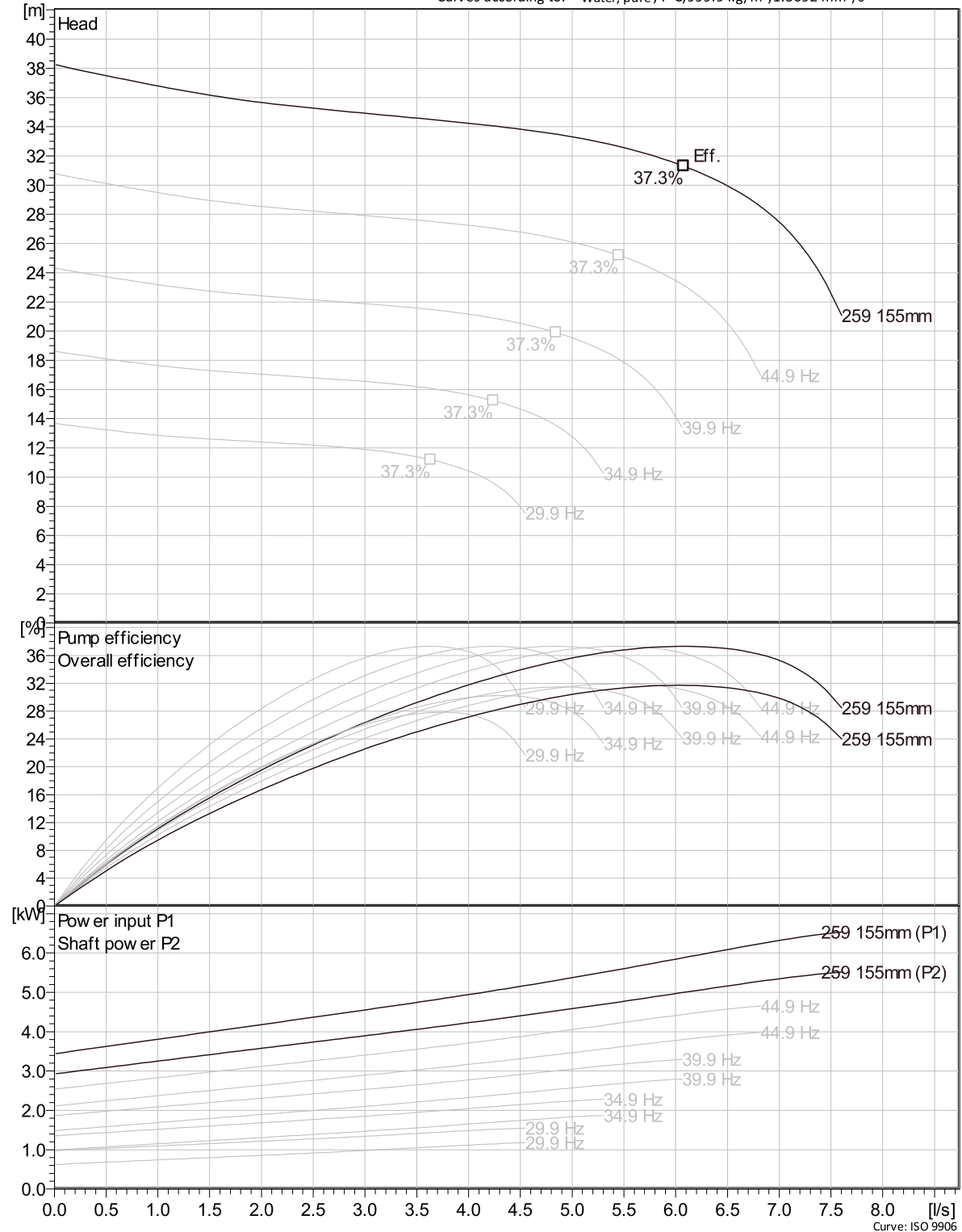
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VFD Curve



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

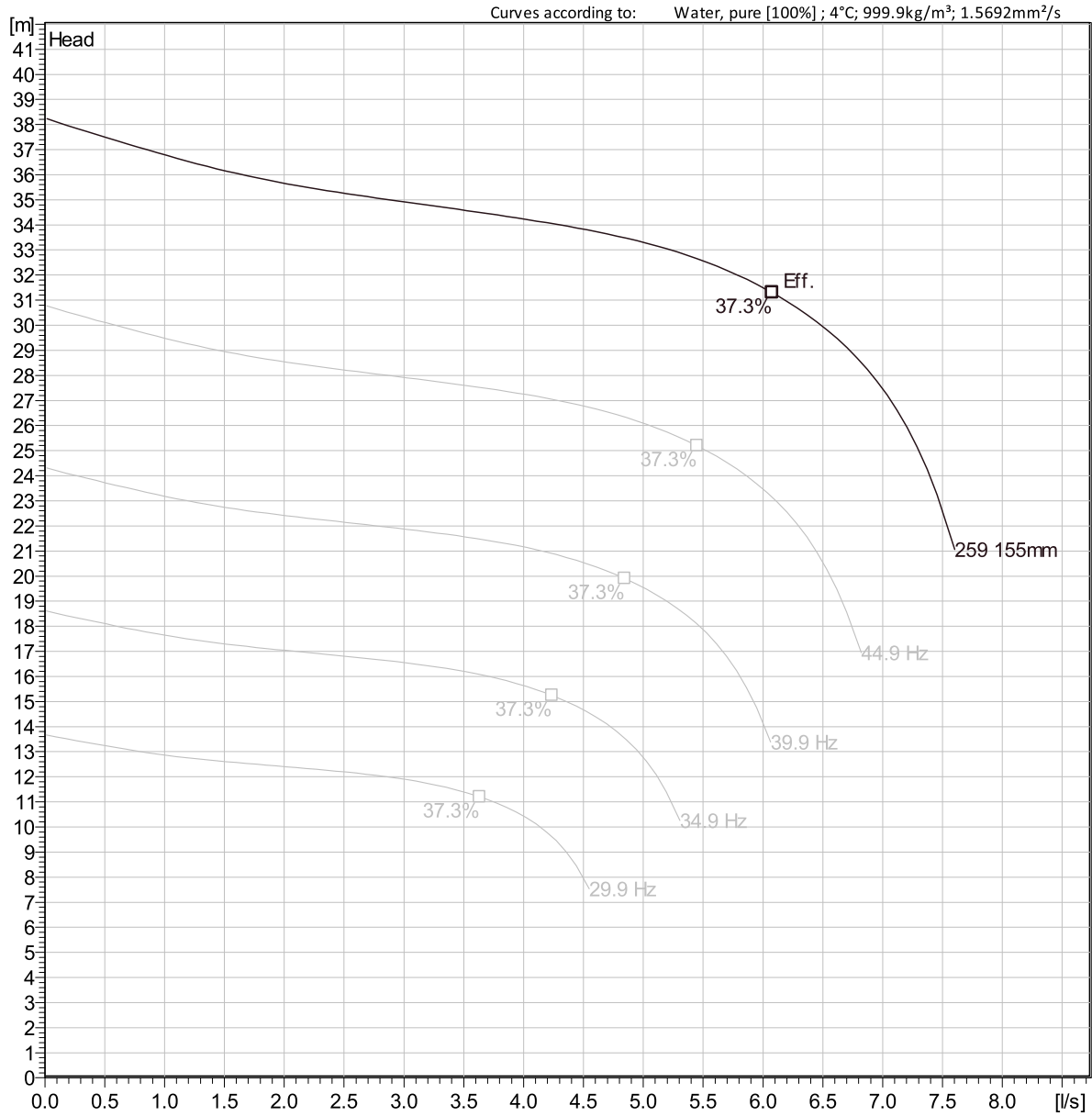


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Curve: ISO 9906

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VFD Analysis



Operating Characteristics

Pumps / Systems	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr. eff.	Specific energy	NPSHre
		l/s	m	kW	l/s	m	kW		kWh/m ³	m

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Dimensional drawing



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