

DS 2640 MT 3~ 234

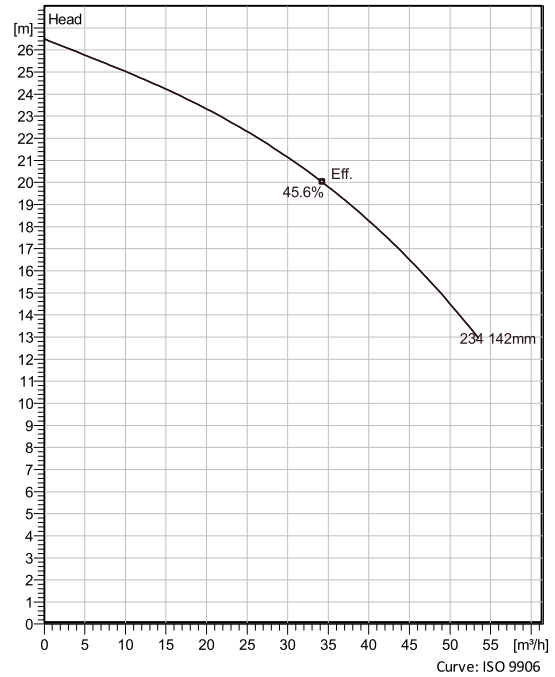
Portable pumps with vortex impellers ideal for applications in which the water or liquid contains concentrations of abrasives when clogging problems can occur.



Technical specification



Curves according to: Water, pure ,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
142 mm

Discharge diameter
80 mm

Pump information

Impeller diameter
142 mm

Discharge diameter
80 mm

Inlet diameter
80 mm

Maximum operating speed
2895 rpm

Number of blades
6

Max. fluid temperature
40 °C

Materials

Impeller
Hard-Iron

Stator housing material
Aluminium

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Block

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Technical specification



Motor - General

Motor number D2640.281 15-14-2BB-W 5.6KW	Phases 3~	Rated speed 2895 rpm	Rated power 5.6 kW
Approval No	Number of poles 2	Rated current 11 A	Stator variant 1
Frequency 50 Hz	Rated voltage 400 V	Insulation class H	Type of Duty S1
Version code 281			

Motor - Technical

Power factor - 1/1 Load 0.87	Motor efficiency - 1/1 Load 84.0 %	Total moment of inertia 0.0071 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.81	Motor efficiency - 3/4 Load 85.0 %	Starting current, direct starting 78 A	
Power factor - 1/2 Load 0.69	Motor efficiency - 1/2 Load 84.0 %	Starting current, star-delta 26 A	

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Performance curve

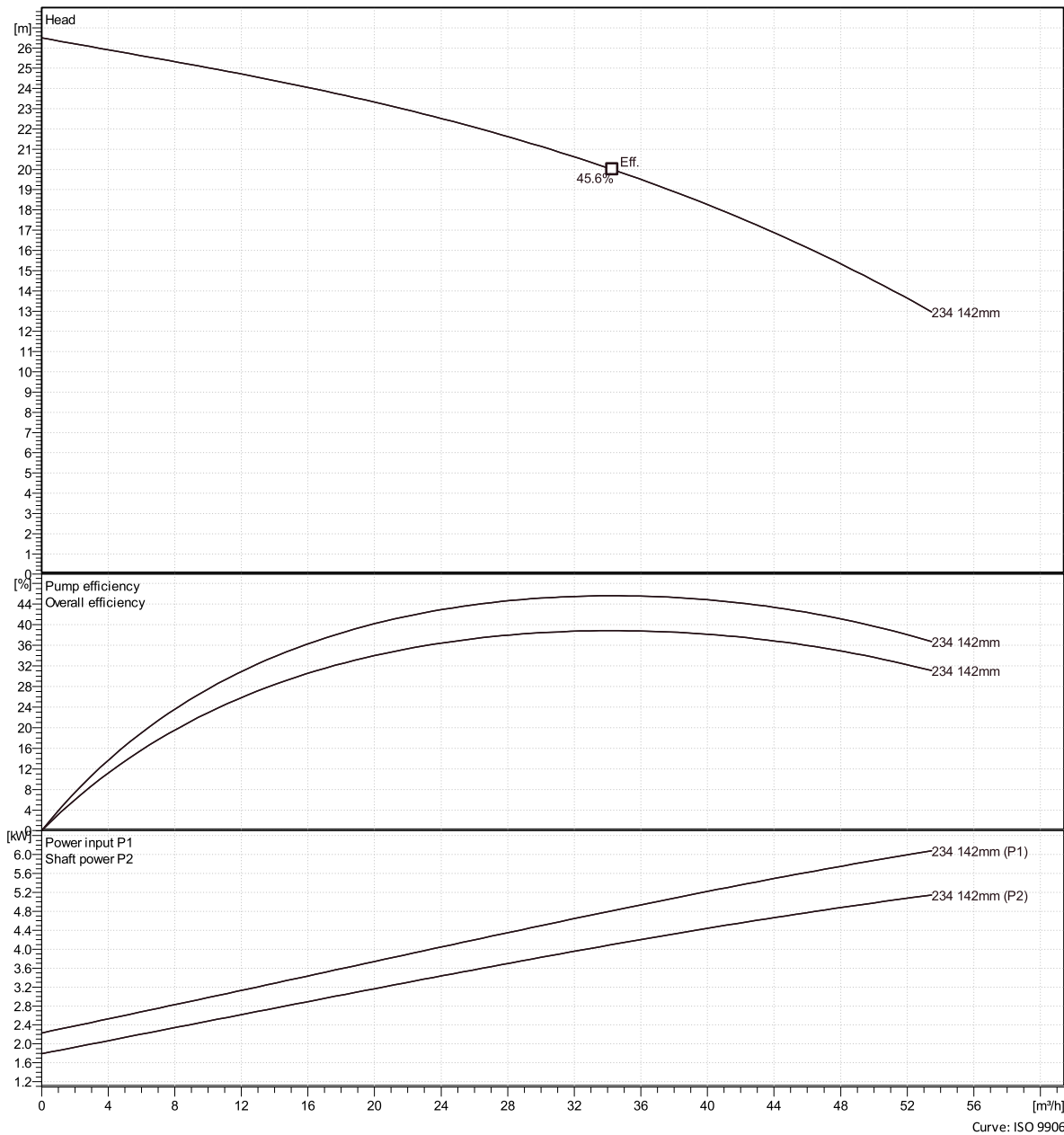


Duty point

Flow

Head

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



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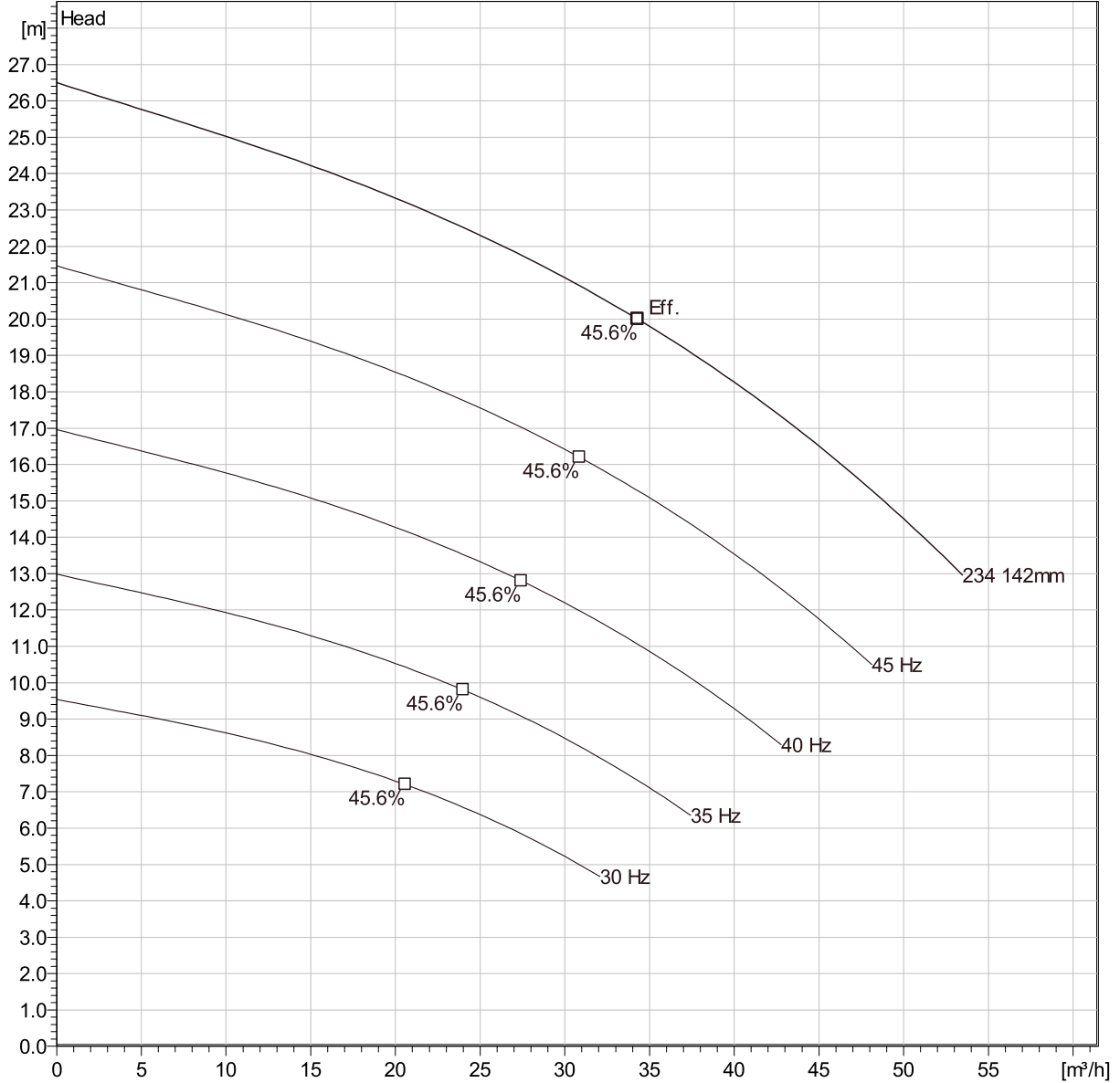
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Duty Analysis



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



Operating characteristics

Pumps / Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHre
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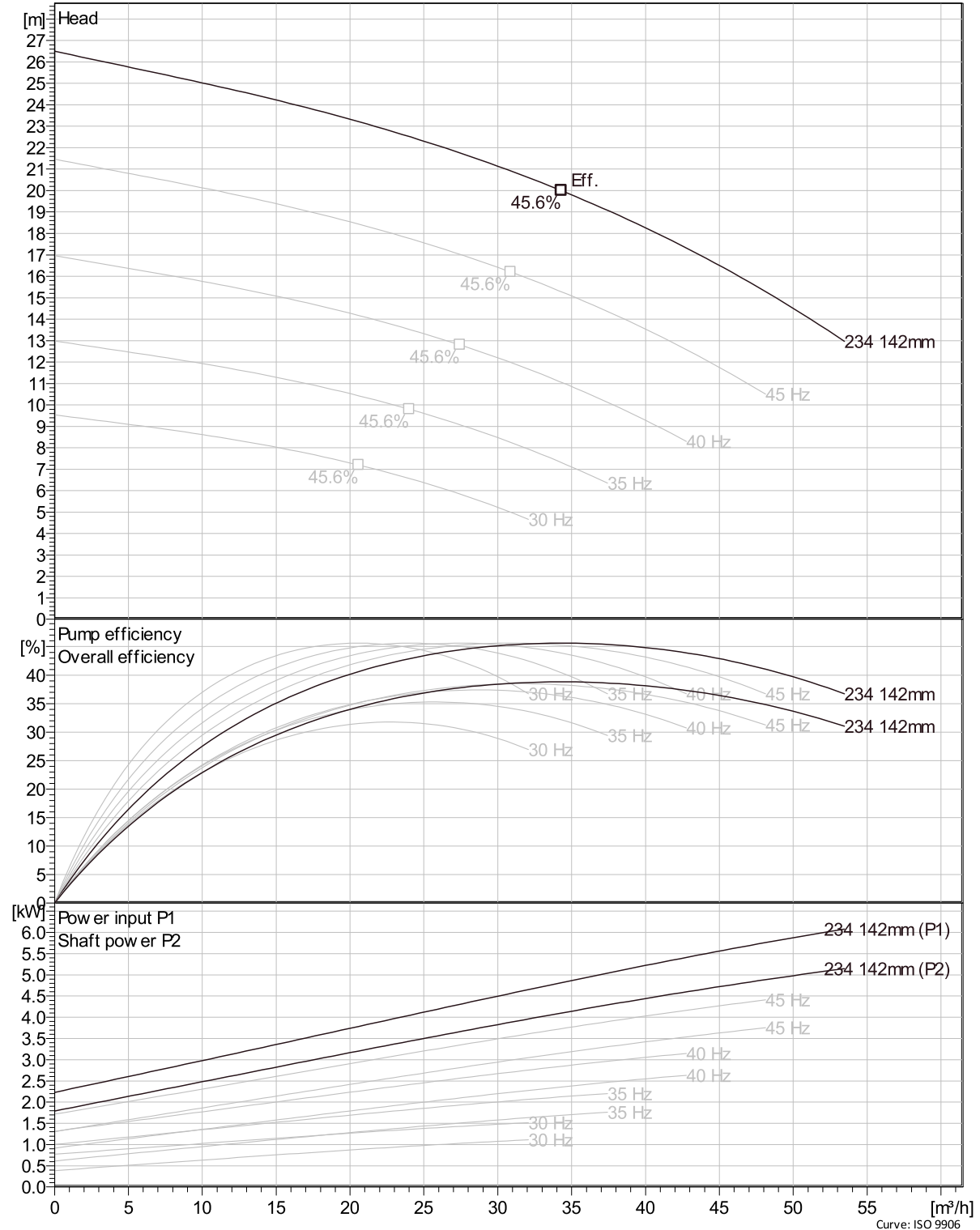
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VFD Curve



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

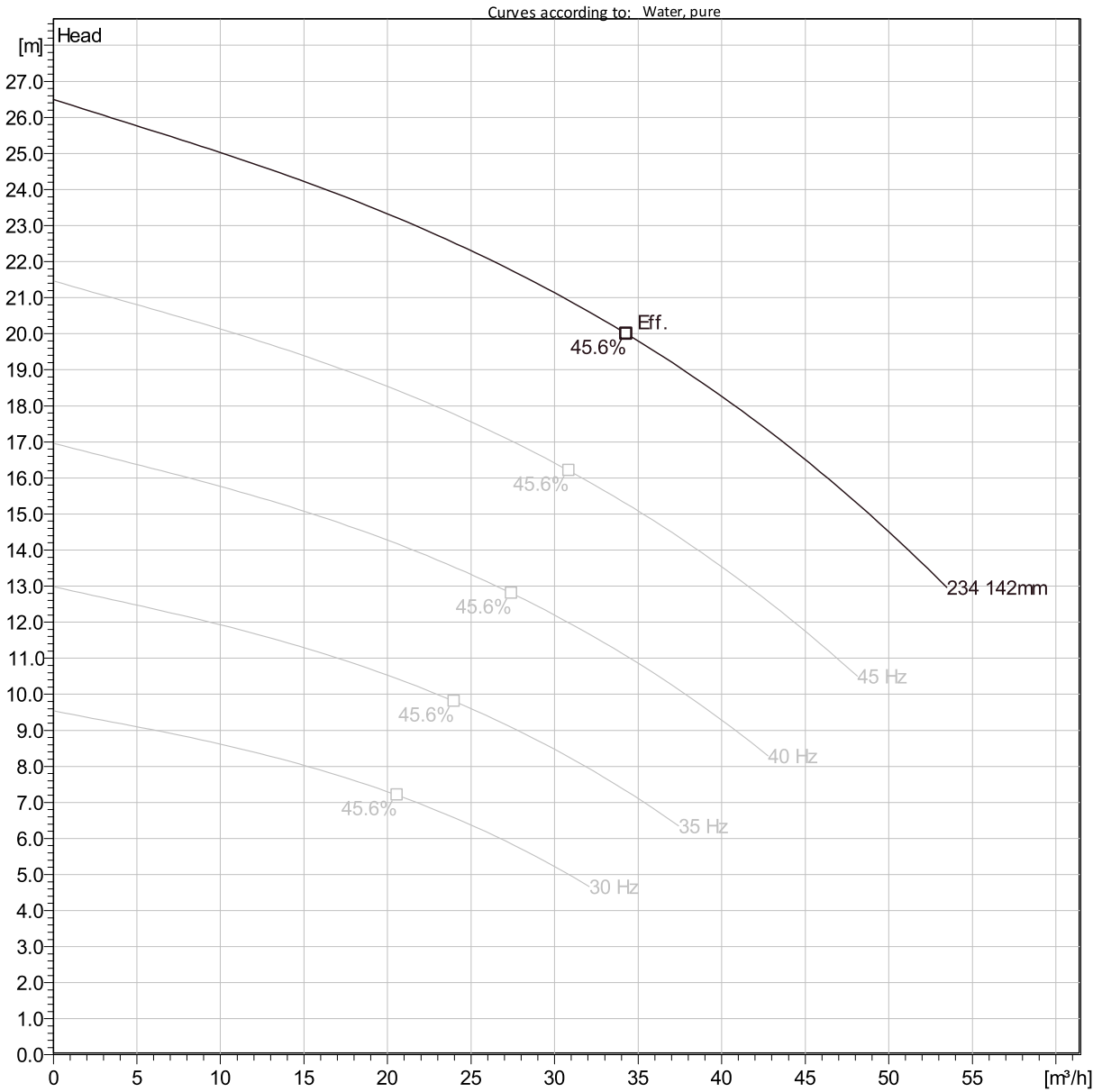


Curve: ISO 9906

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VFD Analysis



Operating characteristics

Pumps / Systems	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHre
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Dimensional drawing



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