

## DS 2630 MT 3~ 434

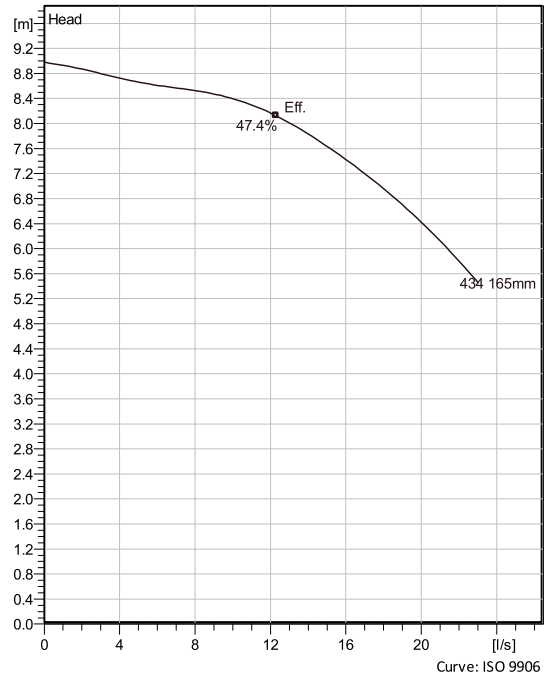
Portable pumps with vortex impellers ideal for applications in which the water or liquid contains concentrations of abrasives when clogging problems can occur.



### Technical specification



Curves according to: Water, pure Water, pure [100%], 4 °C, 999.9 kg/m<sup>3</sup>, 1.5692 mm<sup>2</sup>/s



### Configuration

<b>Motor number</b> D2630.281 15-14-4AA-W 3.2KW	<b>Installation type</b> S - Portable Semi permanent, Wet
<b>Impeller diameter</b> 165 mm	<b>Discharge diameter</b> 80 mm

### Pump information

<b>Impeller diameter</b> 165 mm
<b>Discharge diameter</b> 80 mm
<b>Inlet diameter</b> 80 mm
<b>Maximum operating speed</b> 1410 rpm
<b>Number of blades</b> 6
<b>Max. fluid temperature</b> 40 °C

### Materials

<b>Impeller</b> Hard-Iron
<b>Stator housing material</b> Aluminium

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## Technical specification



### Motor - General

<b>Motor number</b> D2630.281 15-14-4AA-W 3.2KW	<b>Phases</b> 3~	<b>Rated speed</b> 1410 rpm	<b>Rated power</b> 3.2 kW
<b>Approval</b> No	<b>Number of poles</b> 4	<b>Rated current</b> 7.6 A	<b>Stator variant</b> 5
<b>Frequency</b> 50 Hz	<b>Rated voltage</b> 400 V	<b>Insulation class</b> H	<b>Type of Duty</b> S1
<b>Version code</b> 281			

### Motor - Technical

<b>Power factor - 1/1 Load</b> 0.79	<b>Motor efficiency - 1/1 Load</b> 77.0 %	<b>Total moment of inertia</b> 0.0135 kg m <sup>2</sup>	<b>Starts per hour max.</b> 30
<b>Power factor - 3/4 Load</b> 0.72	<b>Motor efficiency - 3/4 Load</b> 78.0 %	<b>Starting current, direct starting</b> 40 A	
<b>Power factor - 1/2 Load</b> 0.59	<b>Motor efficiency - 1/2 Load</b> 76.0 %	<b>Starting current, star-delta</b> 13.3 A	

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## Performance curve

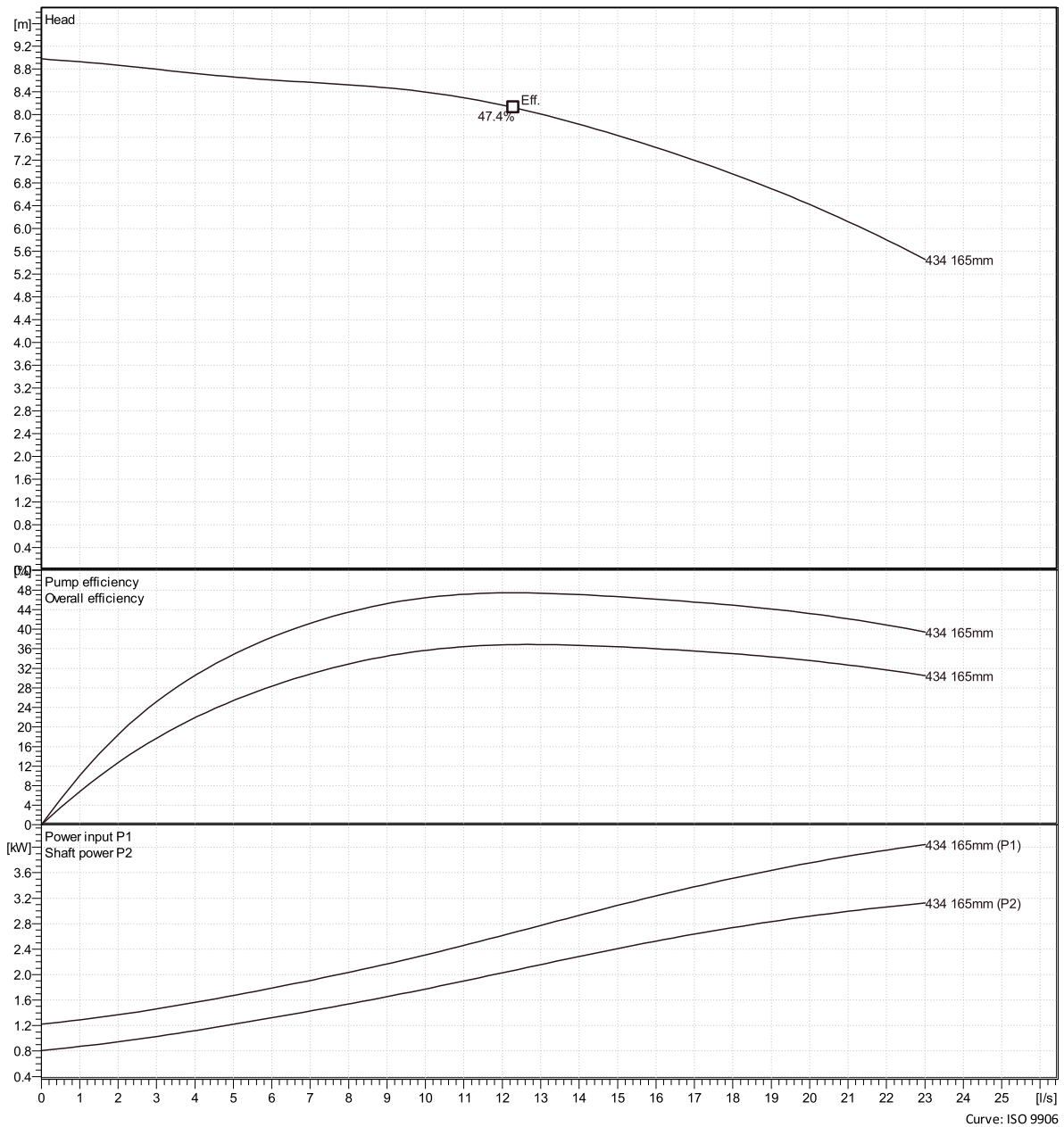


### Duty point

Flow

Head

Curves according to: Water, pure Water, pure [100%], 4 °C, 999.9 kg/m<sup>3</sup>, 1.5692 mm<sup>2</sup>/s



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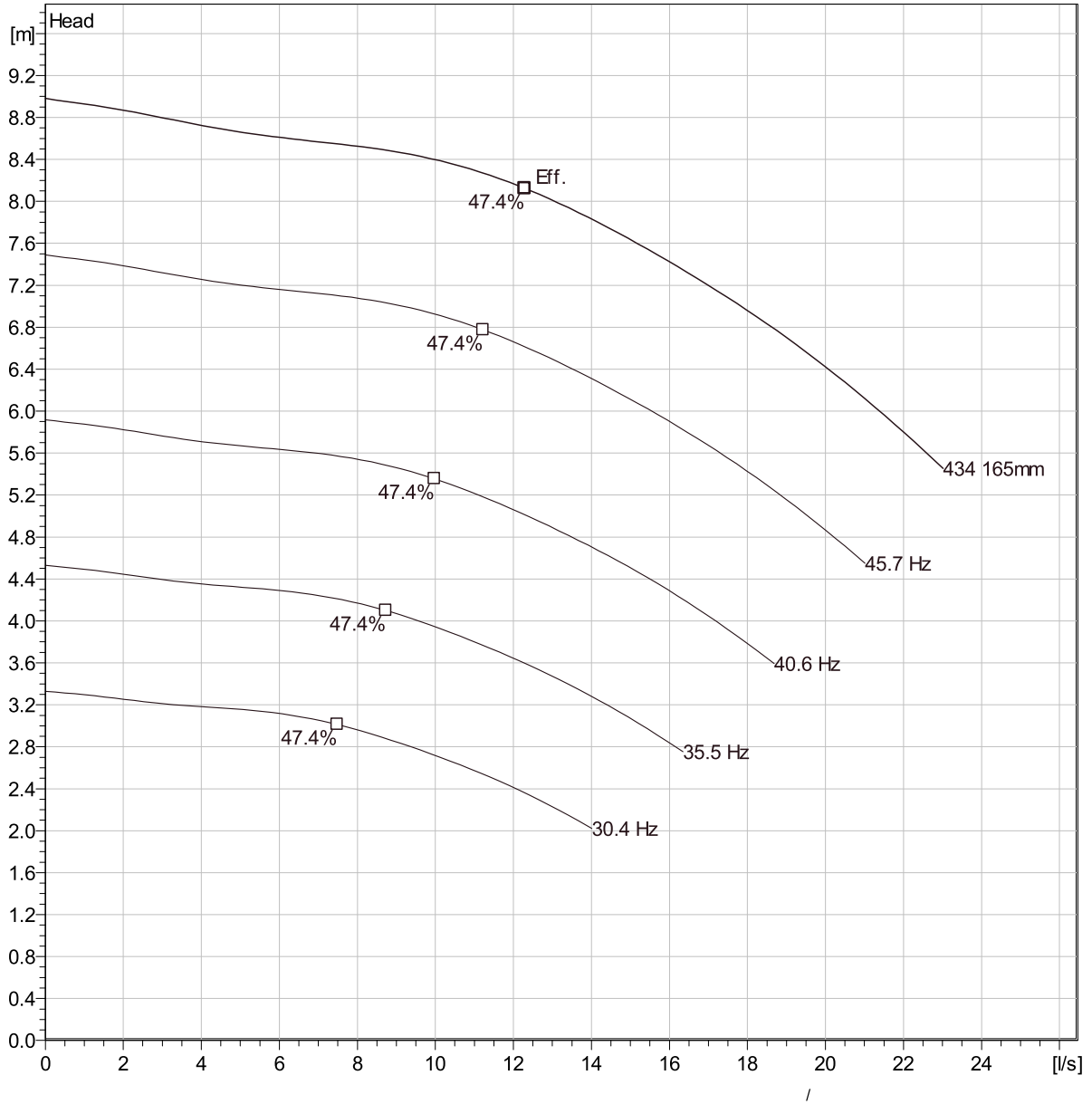
Curve: ISO 9906

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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/m³	NPSHre m
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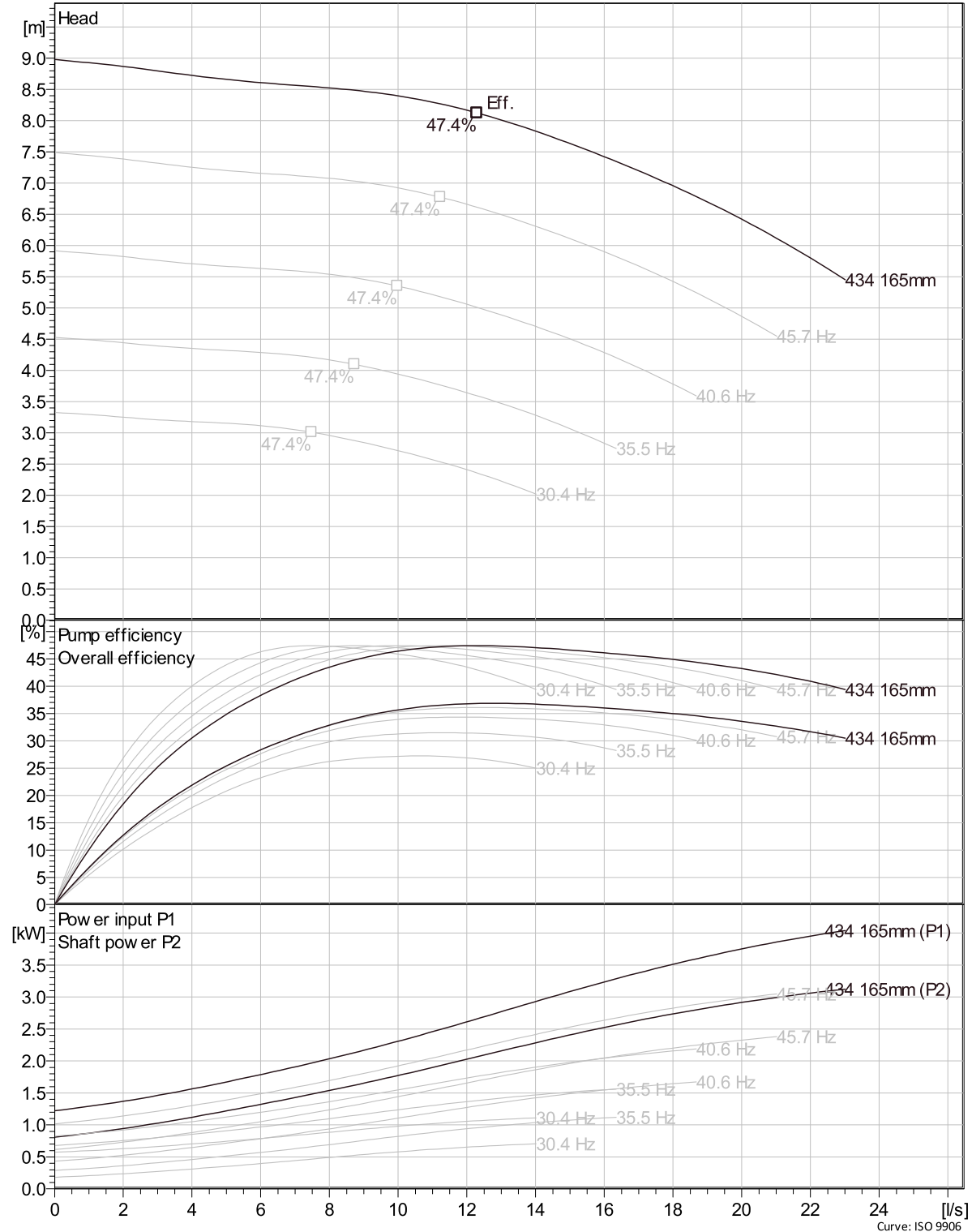
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## VFD Curve



Curves according to: Water, pure, 4 °C, 999.9 kg/m<sup>3</sup>, 1.5692 mm<sup>2</sup>/s

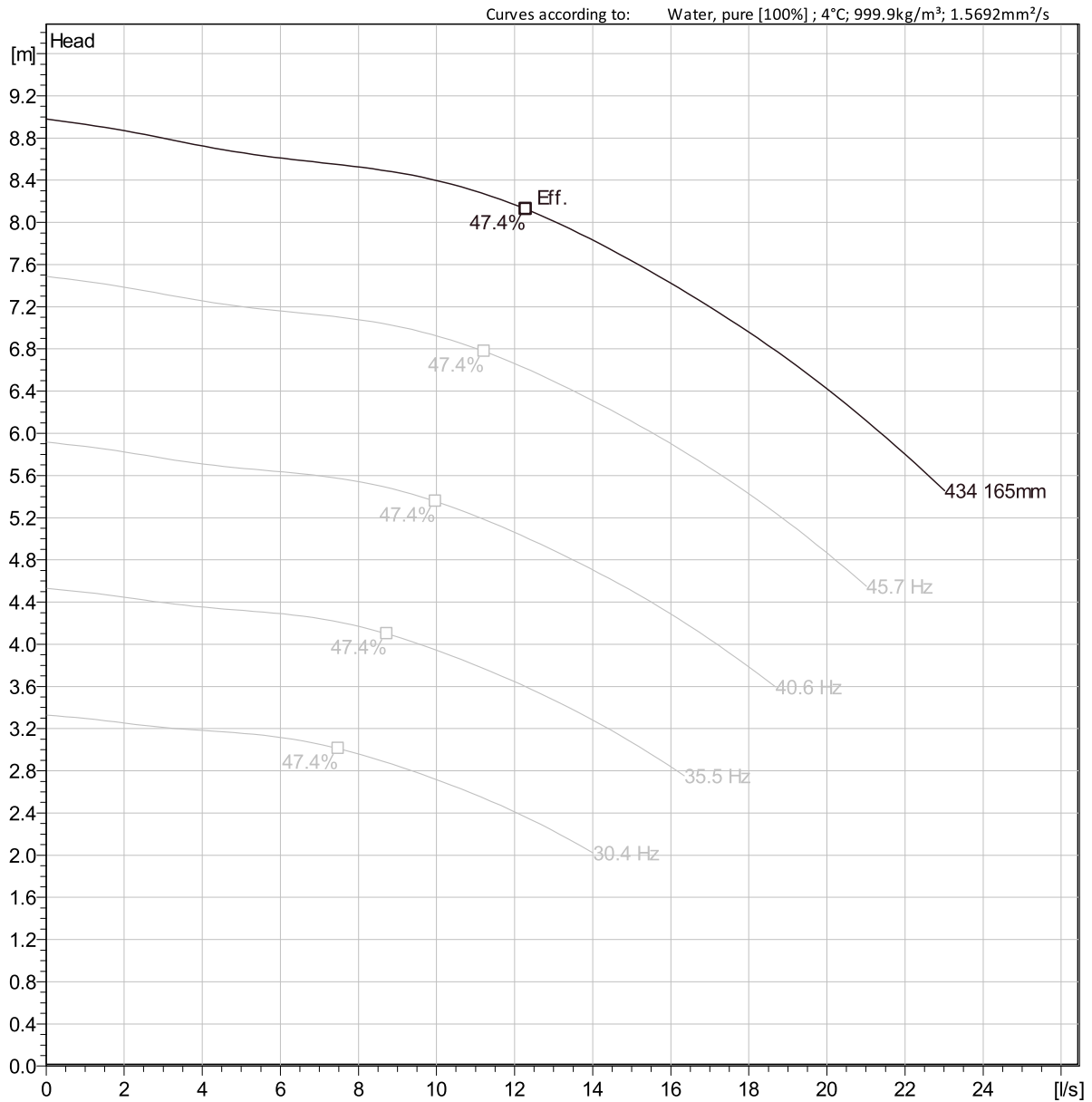


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Curve: ISO 9906

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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 <sup>3</sup>	m

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Dimensional drawing



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