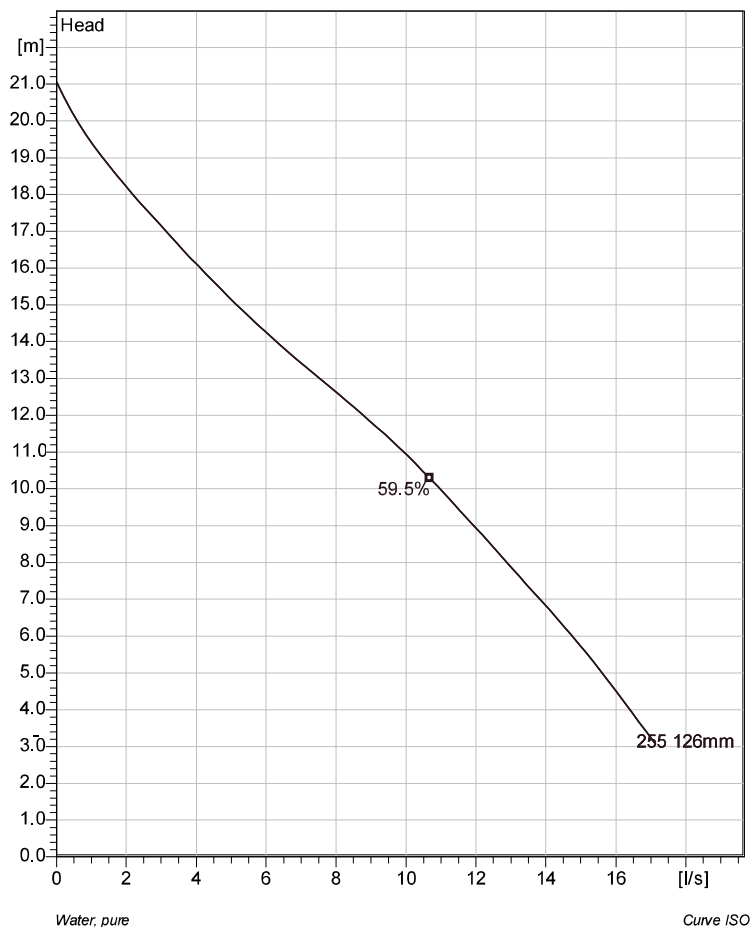


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Technical specification



Note: Picture might not correspond to the current configuration.

General

Patented self cleaning semi-open channel impeller, ideal for pumping in most waste water applications. Possible to be upgraded with Guide-pin® for even better clogging resistance. Modular based design with high adaptation grade.

Impeller

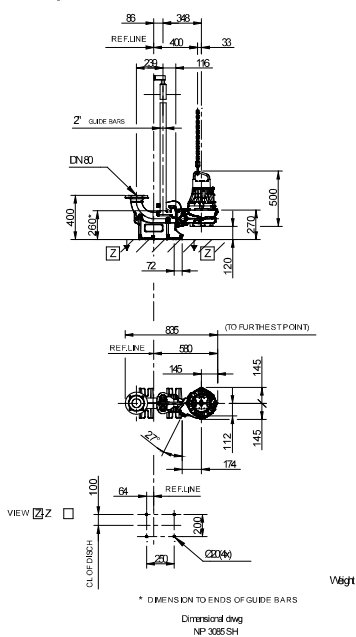
Impeller material	Grey cast iron
Discharge Flange Diameter	80 mm
Inlet diameter	80 mm
Impeller diameter	126 mm
Number of blades	2

Motor

Motor #	N3085.160 15-09-2AL-W 2.4KW
Stator variant	31
Frequency	50 Hz
Rated voltage	400 V
Number of poles	2
Phases	3~
Rated power	2.4 kW
Rated current	4.7 A
Starting current	28 A
Rated speed	2840 1/min
Power factor	
1/1 Load	0.92
3/4 Load	0.89
1/2 Load	0.82
Efficiency	
1/1 Load	80.5 %
3/4 Load	82.5 %
1/2 Load	82.0 %

Configuration

Installation: P - Semi permanent, Wet



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Performance curve

Pump

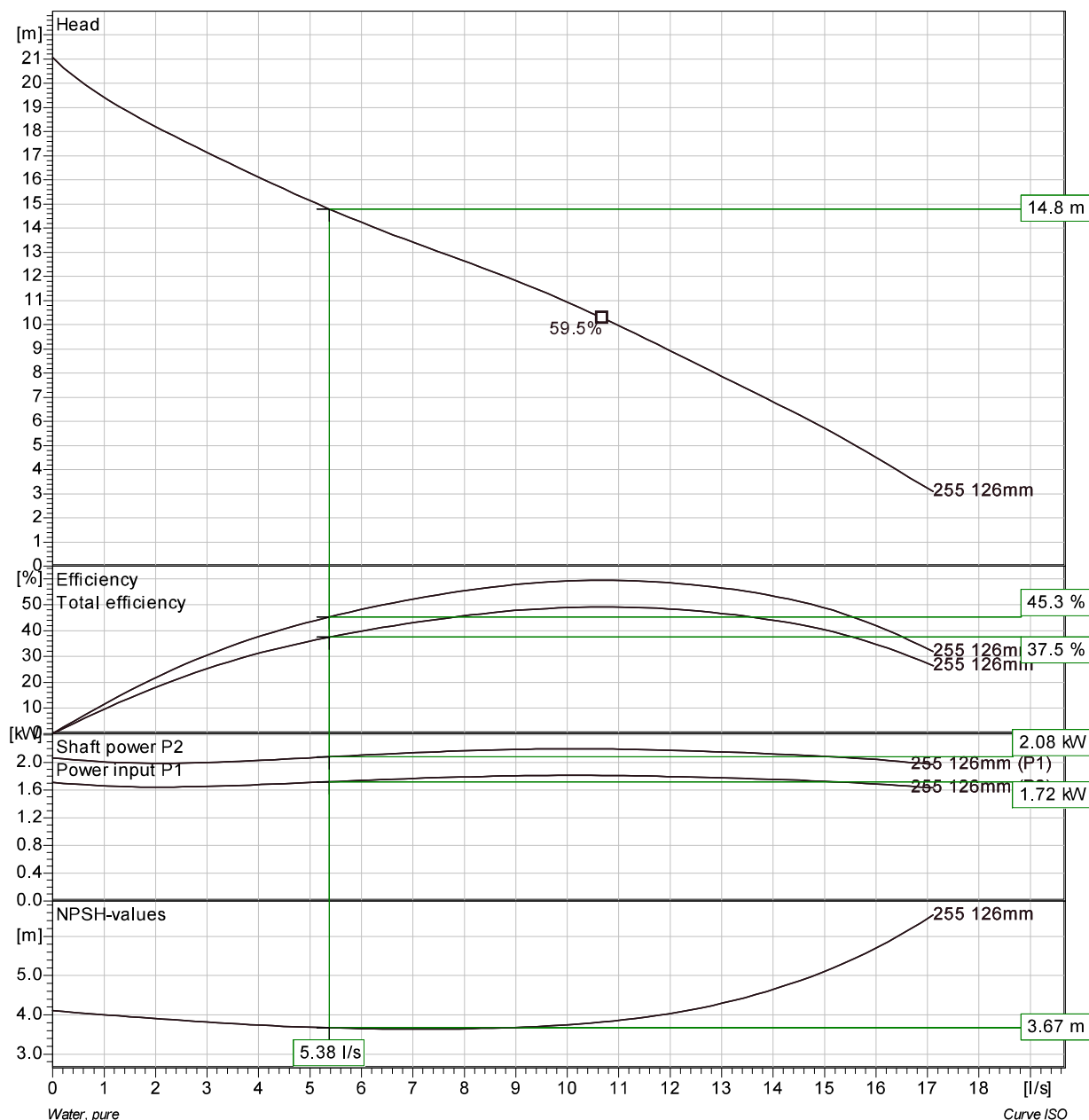
Discharge Flange Diameter 80 mm
Inlet diameter 80 mm
Impeller diameter 126 mm
Number of blades 2

Motor

Motor # N3085.160 15-09-2AL-W 2.4KW
Stator variant 31
Frequency 50 Hz
Rated voltage 400 V
Number of poles 2
Phases 3~
Rated power 2.4 kW
Rated current 4.7 A
Starting current 28 A
Rated speed 2840 1/min

Power factor
1/1 Load 0.92
3/4 Load 0.89
1/2 Load 0.82

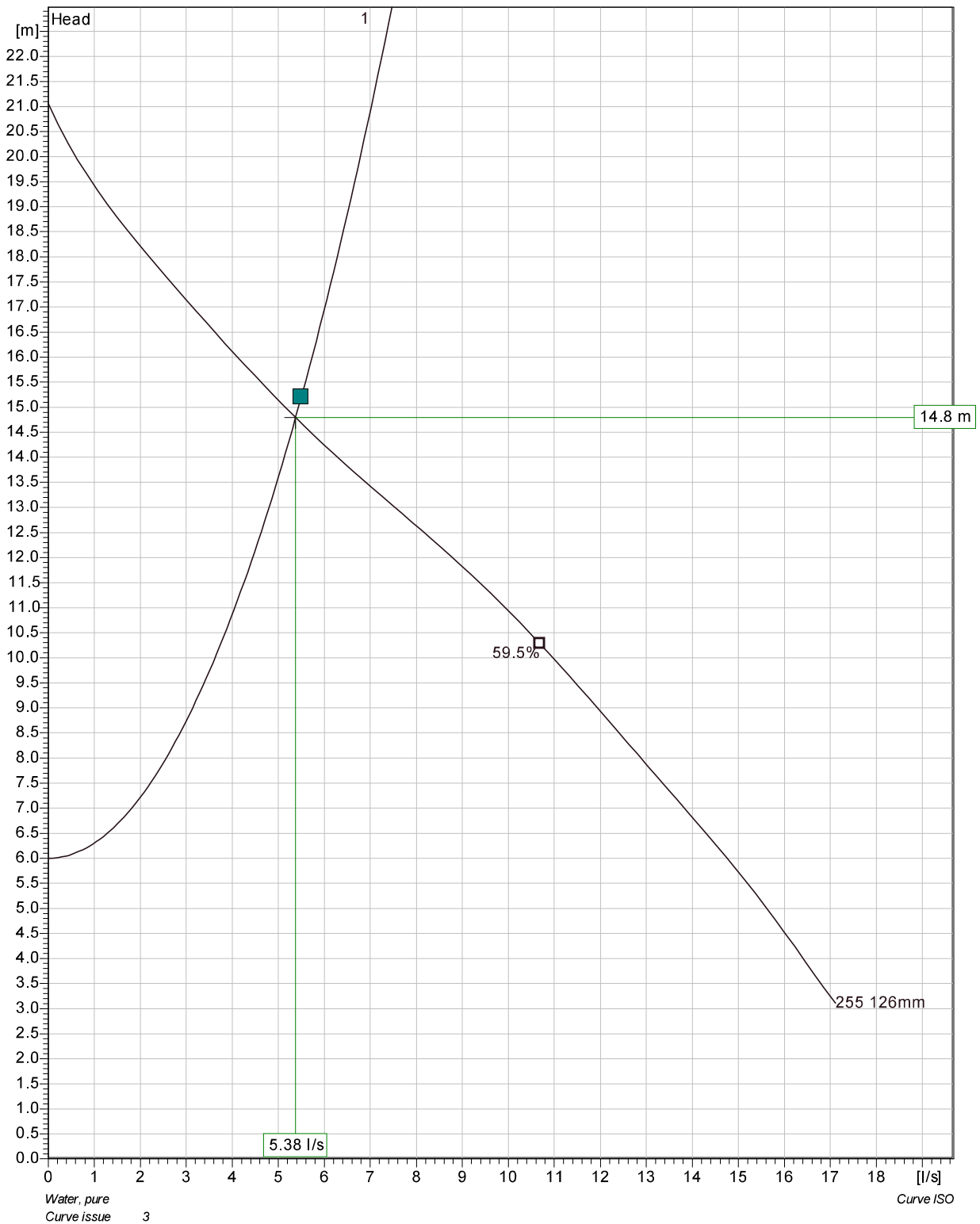
Efficiency
1/1 Load 80.5 %
3/4 Load 82.5 %
1/2 Load 82.0 %



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Duty Analysis

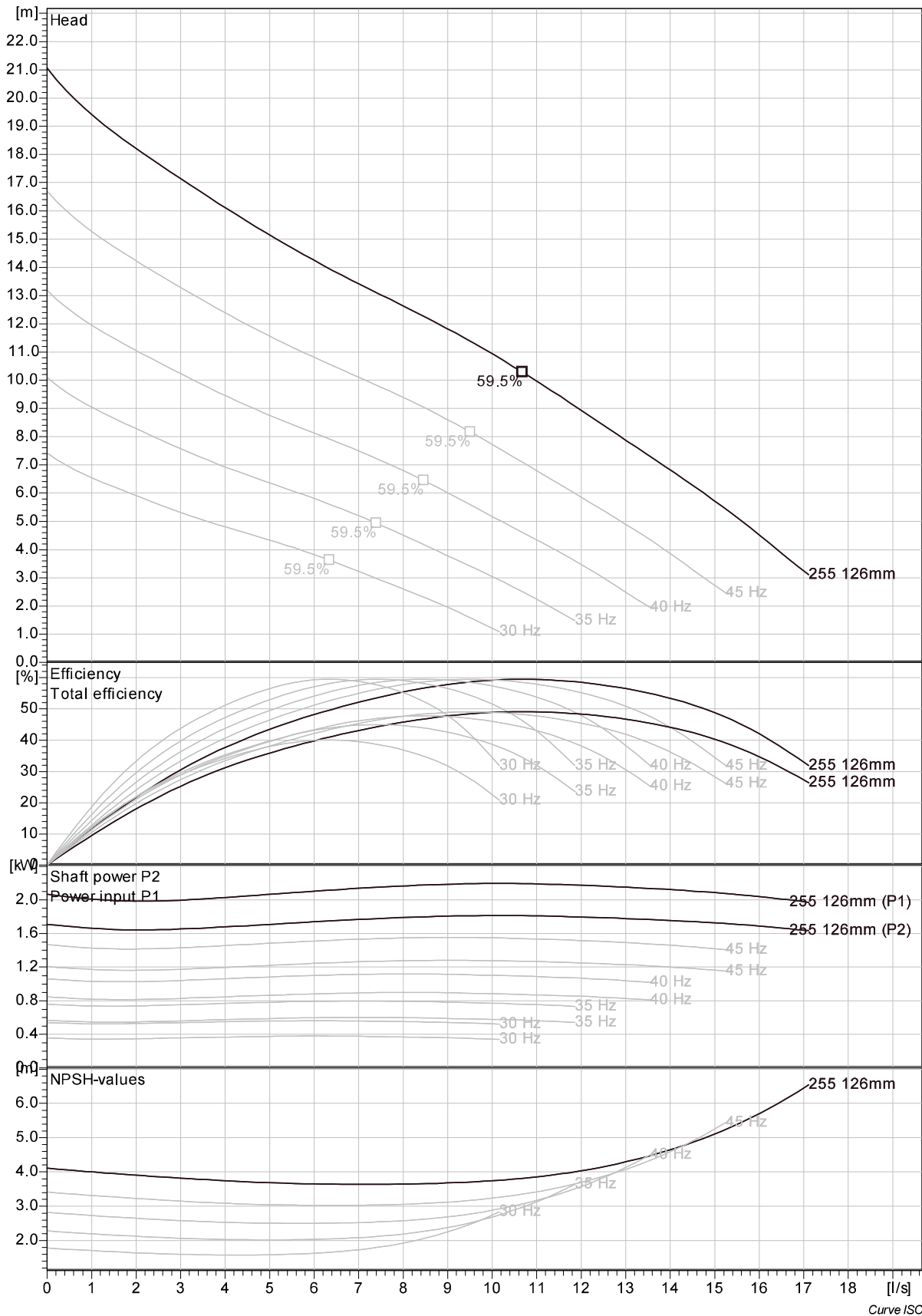


Pumps running /System	Individual pump			Total			Pump eff.	Specific energy	NPSH _{re}
	Flow	Head	Shaft power	Flow	Head	Shaft power			
1	5.38 l/s	14.8 m	1.72 kW	5.38 l/s	14.8 m	1.72 kW	45.3 %	0.108 kWh/m³	3.67 m

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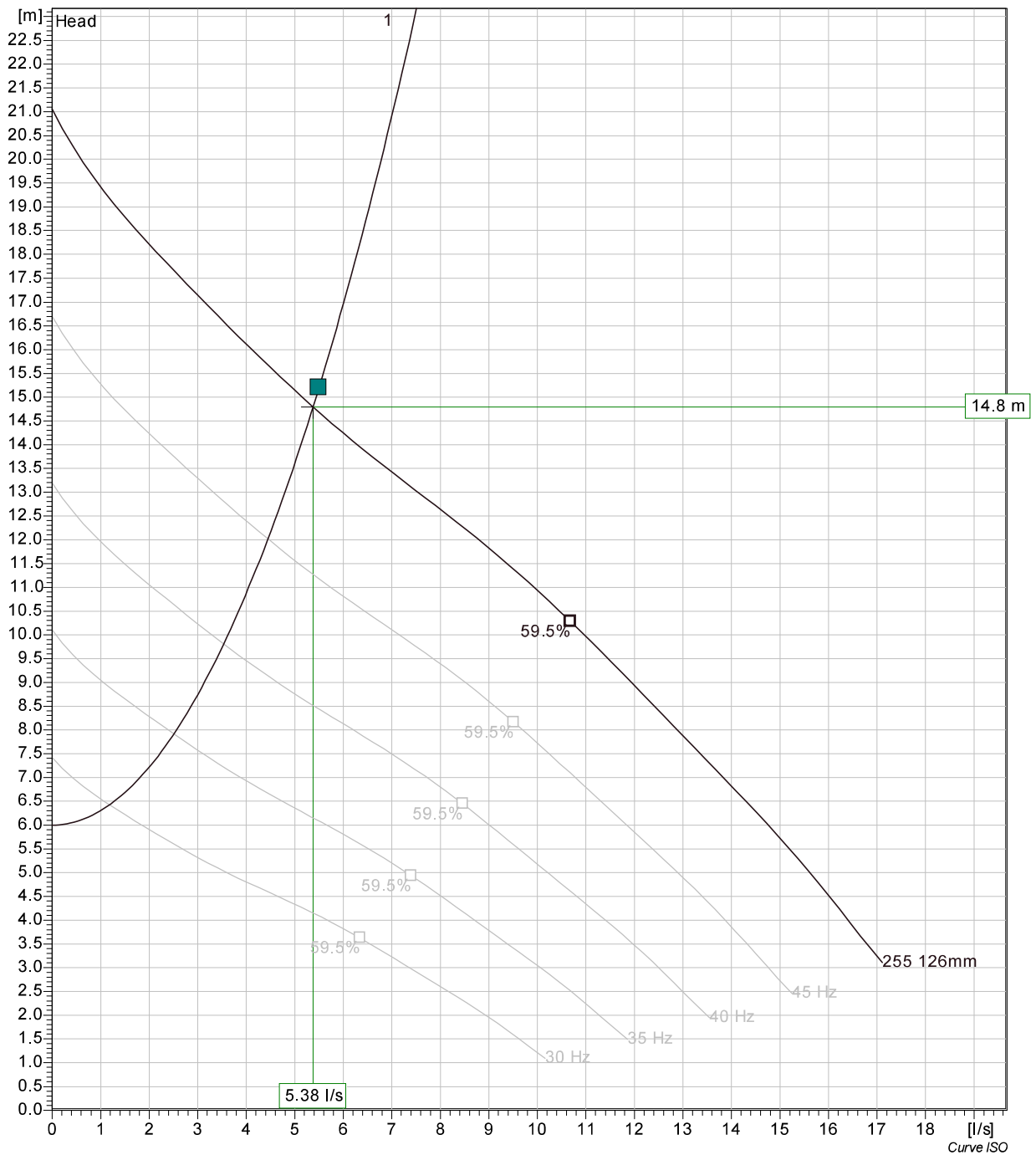
VFD Curve



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VFD Analysis

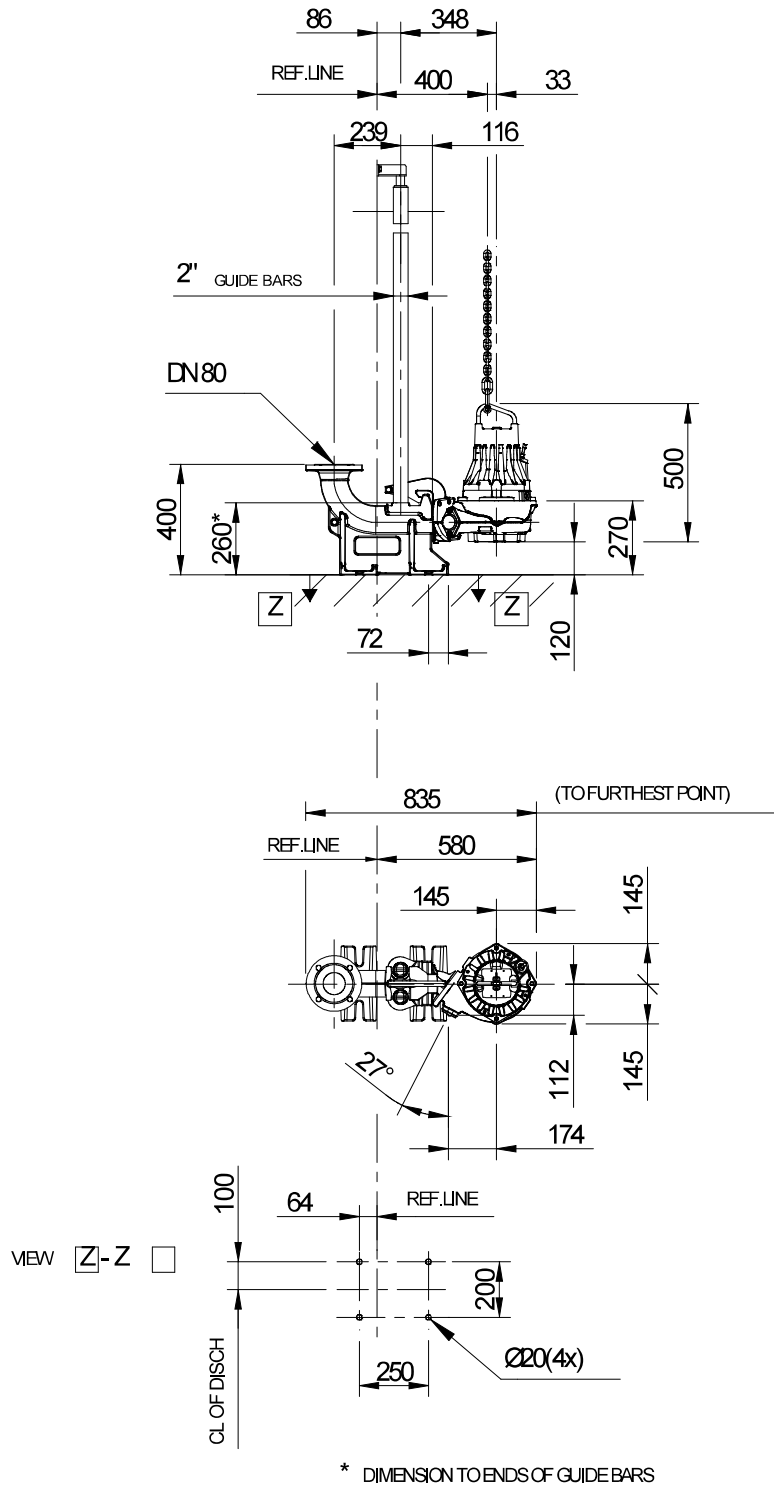


Pumps running /System	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hyd eff.	Specific energy	NPSHre
1	50 Hz	5.38 l/s	14.8 m	1.72 kW	5.38 l/s	14.8 m	1.72 kW	45.3 %	0.108 kWh/m ³	3.67 m
1	45 Hz	4.45 l/s	12 m	1.21 kW	4.45 l/s	12 m	1.21 kW	43.4 %	0.0917 kWh/m ³	3.06 m
1	40 Hz	3.54 l/s	9.81 m	0.84 kW	3.54 l/s	9.81 m	0.84 kW	40.5 %	0.0827 kWh/m ³	2.55 m
1	35 Hz	2.51 l/s	7.92 m	0.554 kW	2.51 l/s	7.92 m	0.554 kW	35.2 %	0.0825 kWh/m ³	2.09 m
1	30 Hz	1.18 l/s	6.42 m	0.344 kW	1.18 l/s	6.42 m	0.344 kW	21.6 %	0.124 kWh/m ³	1.7 m

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Dimensional drawing



Weight

Dimensional drwg
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