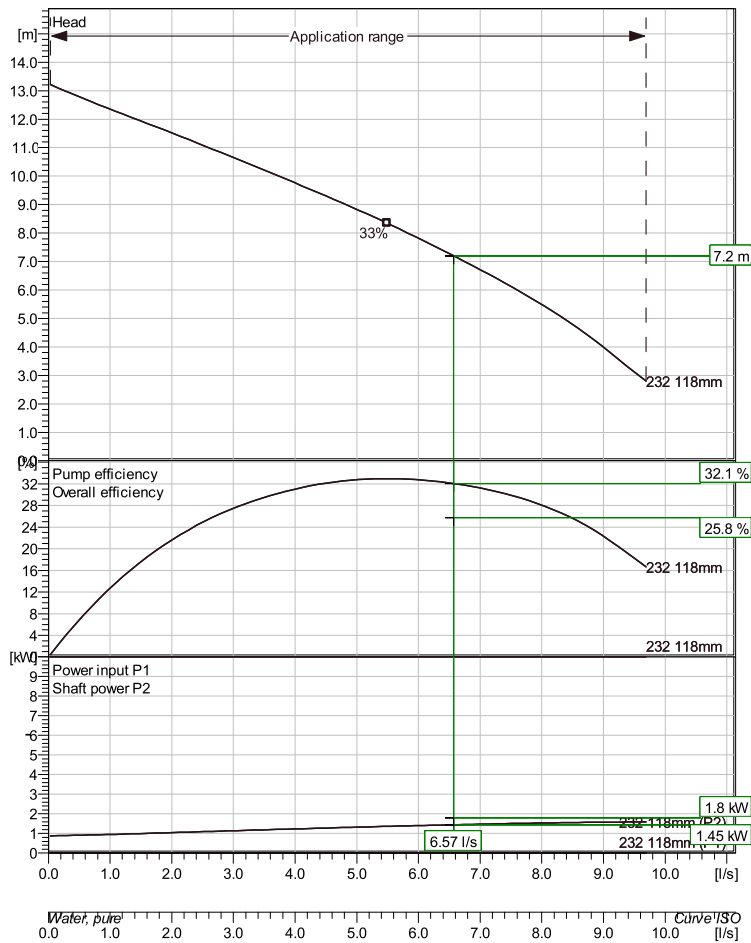


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Technical specification



Note: Picture might not correspond to the current configuration.

General

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

Impeller

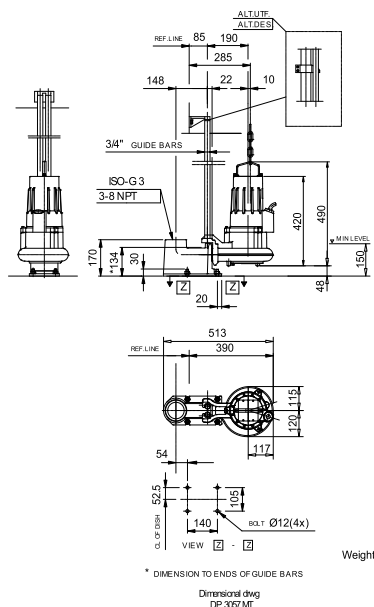
Impeller material	Grey cast iron
Discharge Flange Diameter	50 mm
Inlet diameter	50 mm
Impeller diameter	118 mm
Number of blades	6
48 mm	48 mm

Motor

Motor #	D3057.181 13-10-2BB-W 2.4KW
Approval	Standard
Stator variant	5
Frequency	50 Hz
Rated voltage	400 V
Number of poles	2
Phases	3~
Rated power	2.4 kW
Rated current	5.3 A
Starting current	24 A
Rated speed	2775 1/min
Power factor	
1/1 Load	0.87
3/4 Load	0.81
1/2 Load	0.70
Motor efficiency	
1/1 Load	75.5 %
3/4 Load	79.0 %
1/2 Load	80.0 %

Configuration

Installation: P - Semi permanent, Wet



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Performance curve



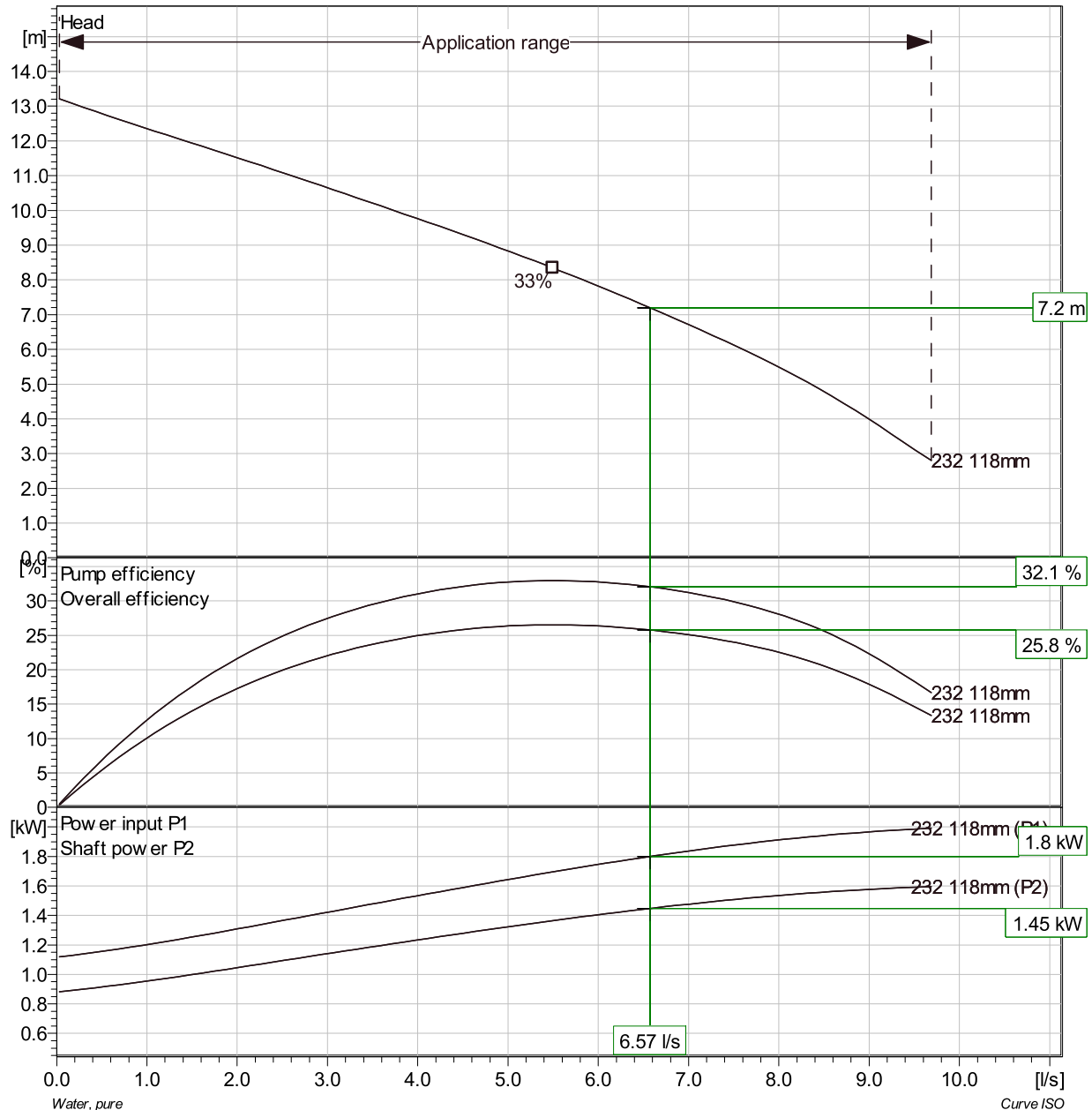
Pump

Discharge Flange Diameter 50 mm
Inlet diameter 50 mm
Impeller diameter 118 mm
Number of blades 6
48 mm 48 mm

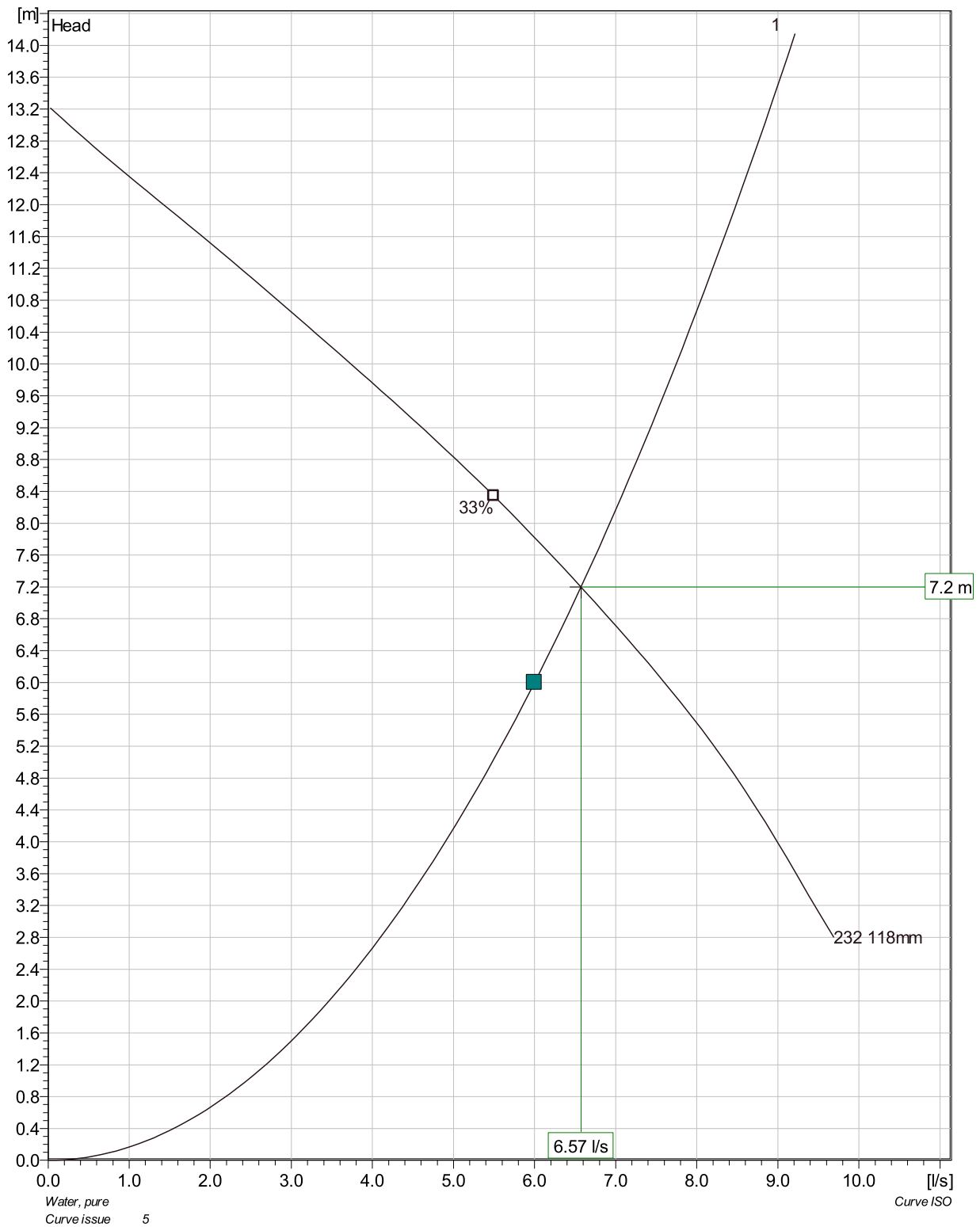
Motor

Motor # D3057.181 13-10-2BB-W 2.4KW
Approval Standard
Stator variant 5
Frequency 50 Hz
Rated voltage 400 V
Number of poles 2
Phases 3~
Rated power 2.4 kW
Rated current 5.3 A
Starting current 24 A
Rated speed 2775 1/min

Power factor
1/1 Load 0.87
3/4 Load 0.81
1/2 Load 0.70
Motor efficiency
1/1 Load 75.5 %
3/4 Load 79.0 %
1/2 Load 80.0 %



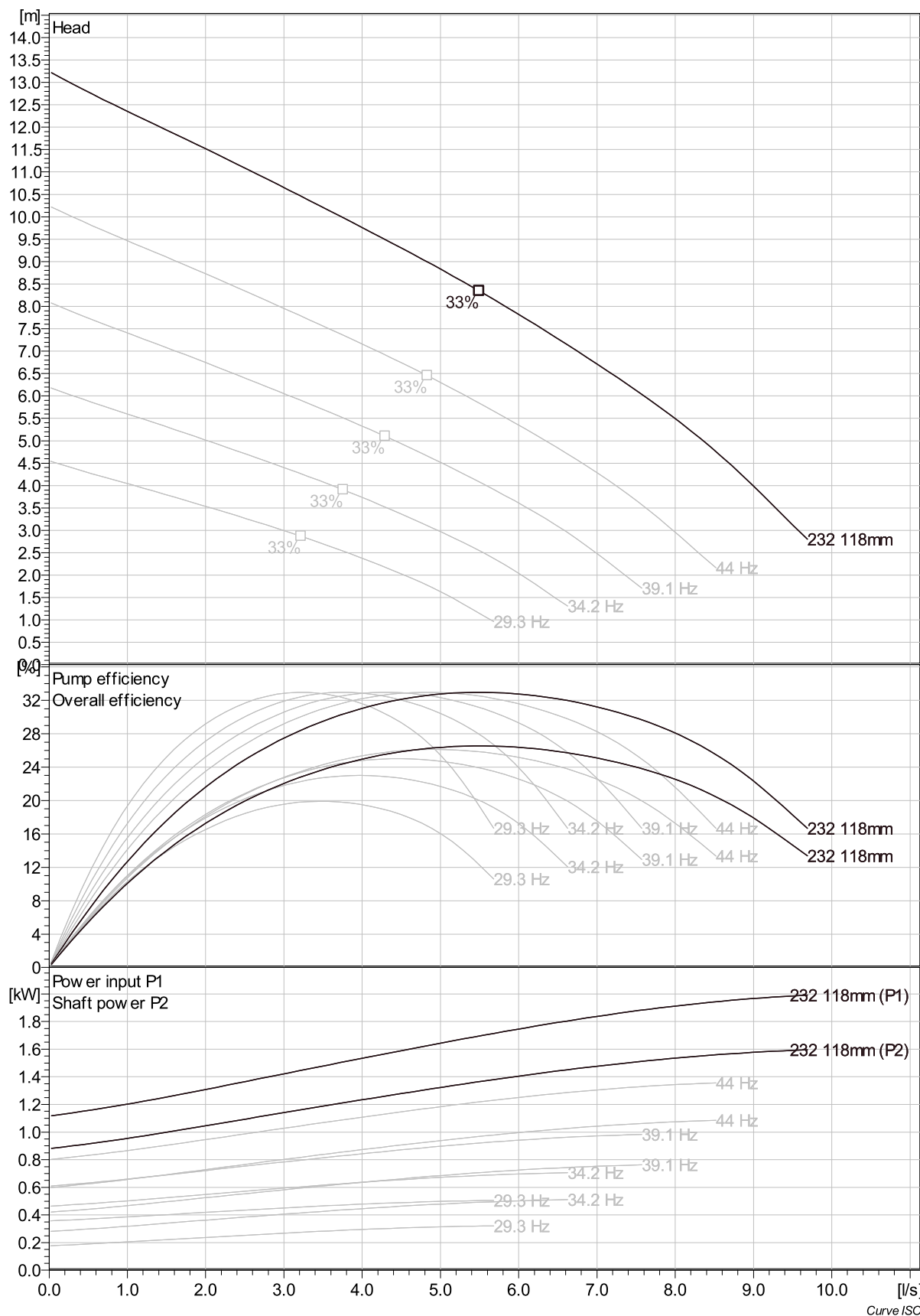
DP 3057 MT 3~ 232 Duty Analysis



Pumps running /System	Individual pump			Total					NPSHre
	Flow	Head	Shaft power	Flow	Head	Shaft power	Pump eff.	Specific energy	
1	6.57 l/s	7.2 m	1.45 kW	6.57 l/s	7.2 m	1.45 kW	32.1 %	0.0761 kWh/m³	

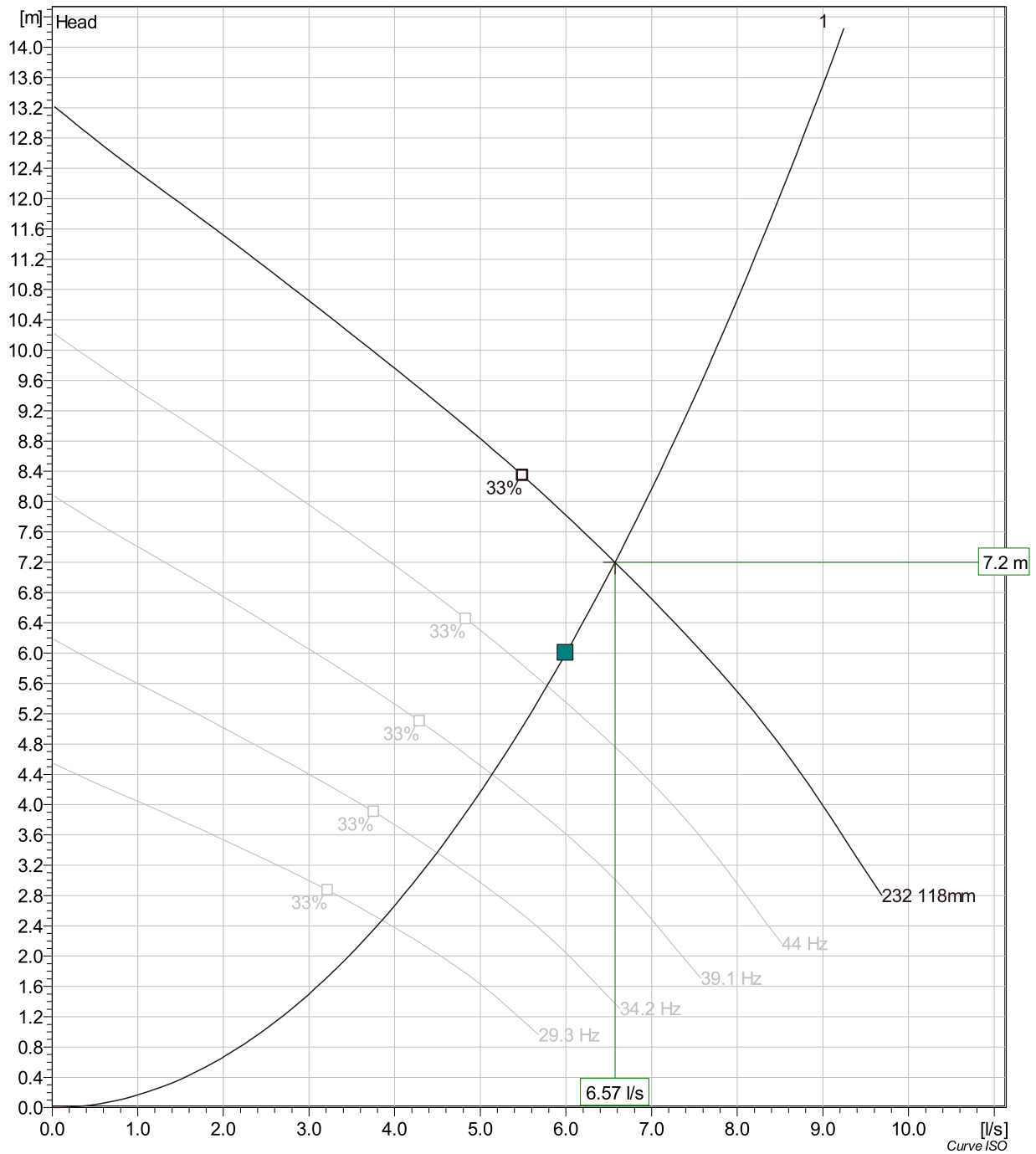
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DP 3057 MT 3~ 232 VFD Curve



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DP 3057 MT 3~ 232 VFD Analysis

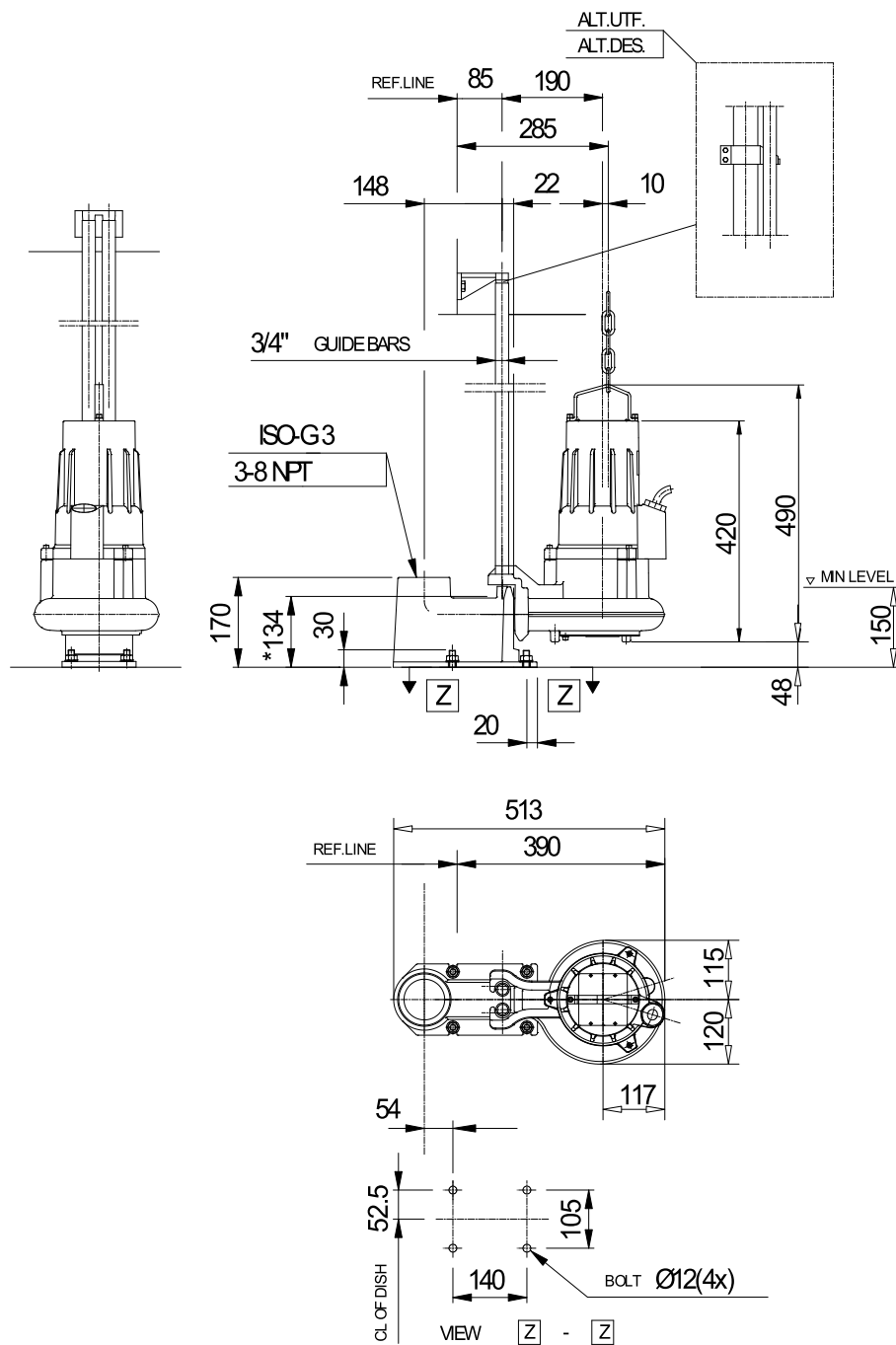


Pumps running /System	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Pump eff.	Specific energy	NPSHre
1	50 Hz	6.57 l/s	7.2 m	1.45 kW	6.57 l/s	7.2 m	1.45 kW	32.1 %	0.0761 kWh/m ³	
1	44 Hz	5.78 l/s	5.57 m	0.984 kW	5.78 l/s	5.57 m	0.984 kW	32.1 %	0.0595 kWh/m ³	
1	39.1 Hz	5.14 l/s	4.4 m	0.691 kW	5.14 l/s	4.4 m	0.691 kW	32.1 %	0.0489 kWh/m ³	
1	34.2 Hz	4.5 l/s	3.37 m	0.463 kW	4.5 l/s	3.37 m	0.463 kW	32.1 %	0.0405 kWh/m ³	
1	29.3 Hz	3.85 l/s	2.47 m	0.292 kW	3.85 l/s	2.47 m	0.292 kW	32.1 %	0.0342 kWh/m ³	

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Dimensional drawing



Weight

* DIMENSION TO ENDS OF GUIDE BARS

Dimensional dwg
DP 3057 MT

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