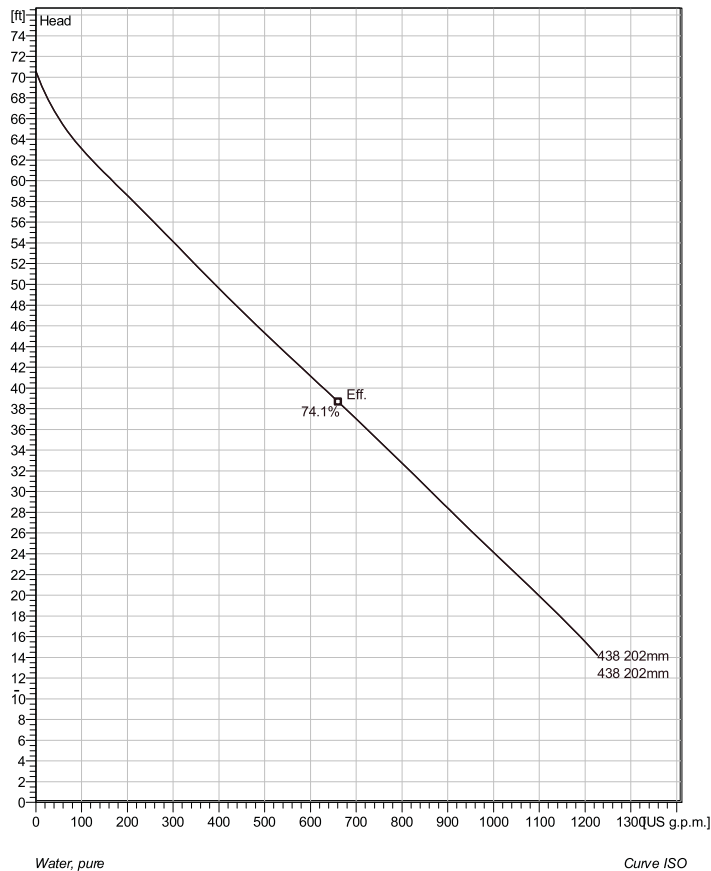


NP 3127 MT 3~ Adaptive 438

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

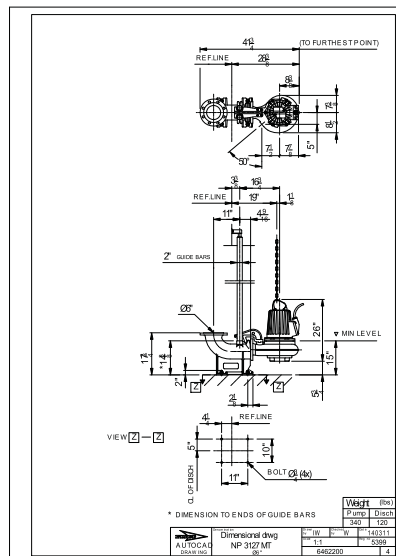
Impeller material	Hard-Iron
Discharge Flange Diameter	3 15/16 inch
Suction Flange Diameter	5 7/8 inch
Impeller diameter	202 mm
Number of blades	2

Motor

Motor #	N3127.060 21-12-4AL-W 10hp
	Standard
Stator variant	12
Frequency	60 Hz
Rated voltage	460 V
Number of poles	4
Phases	3~
Rated power	10 hp
Rated current	13 A
Starting current	68 A
Rated speed	1720 rpm
Power factor	
1/1 Load	0.85
3/4 Load	0.83
1/2 Load	0.75
Motor efficiency	
1/1 Load	82.1 %
3/4 Load	83.6 %
1/2 Load	83.1 %

Configuration

Installation: P - Semi permanent, Wet



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Performance curve

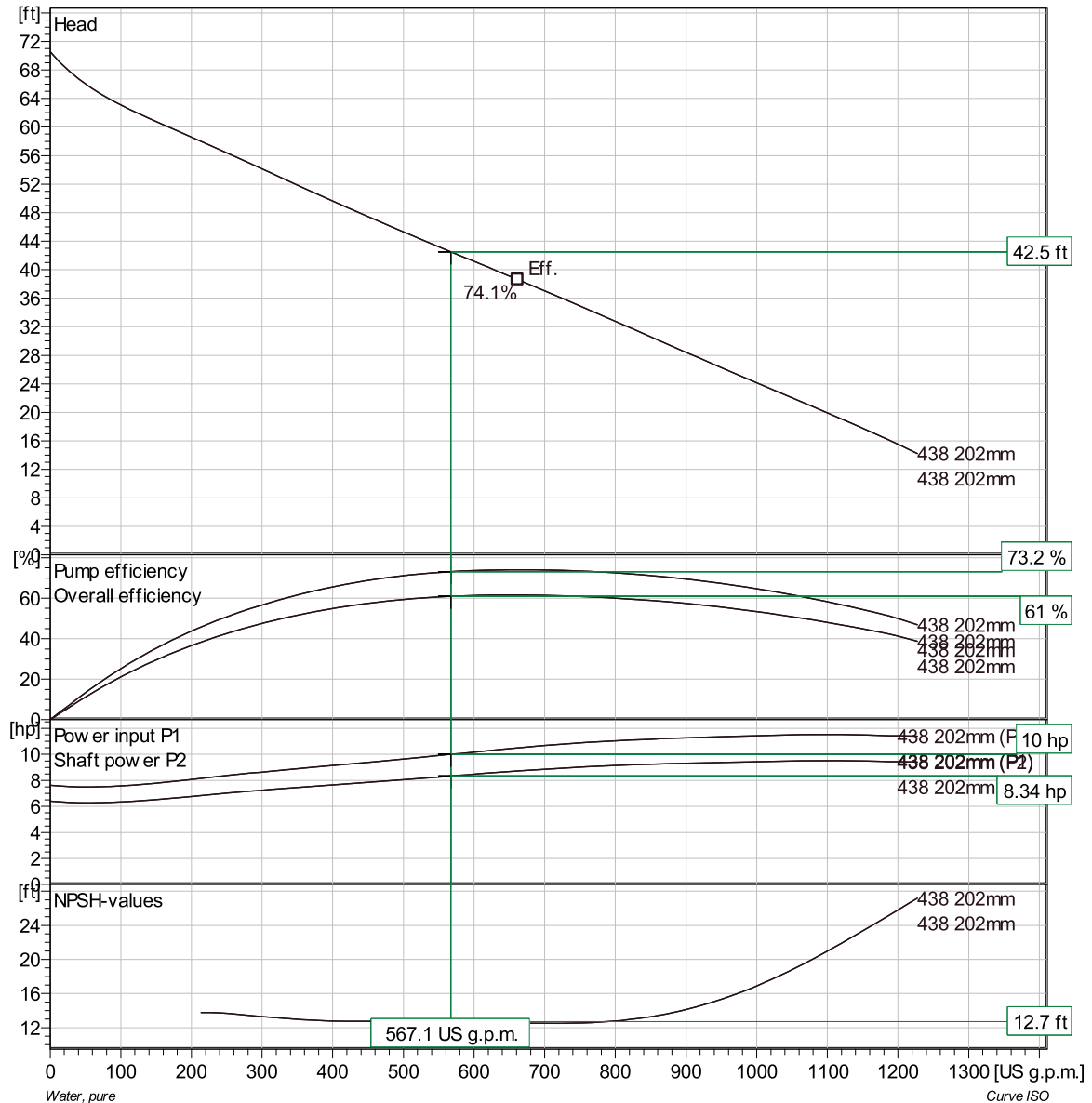
Pump

Discharge Flange Diameter 3 15/16 inch
Suction Flange Diameter 150 mm
Impeller diameter 7 15/16"
Number of blades 2

Motor

Motor # N3127.060 21-12-4AL-W 10hp
Stator variant 12
Frequency 60 Hz
Rated voltage 460 V
Number of poles 4
Phases 3~
Rated power 10 hp
Rated current 13 A
Starting current 68 A
Rated speed 1720 rpm

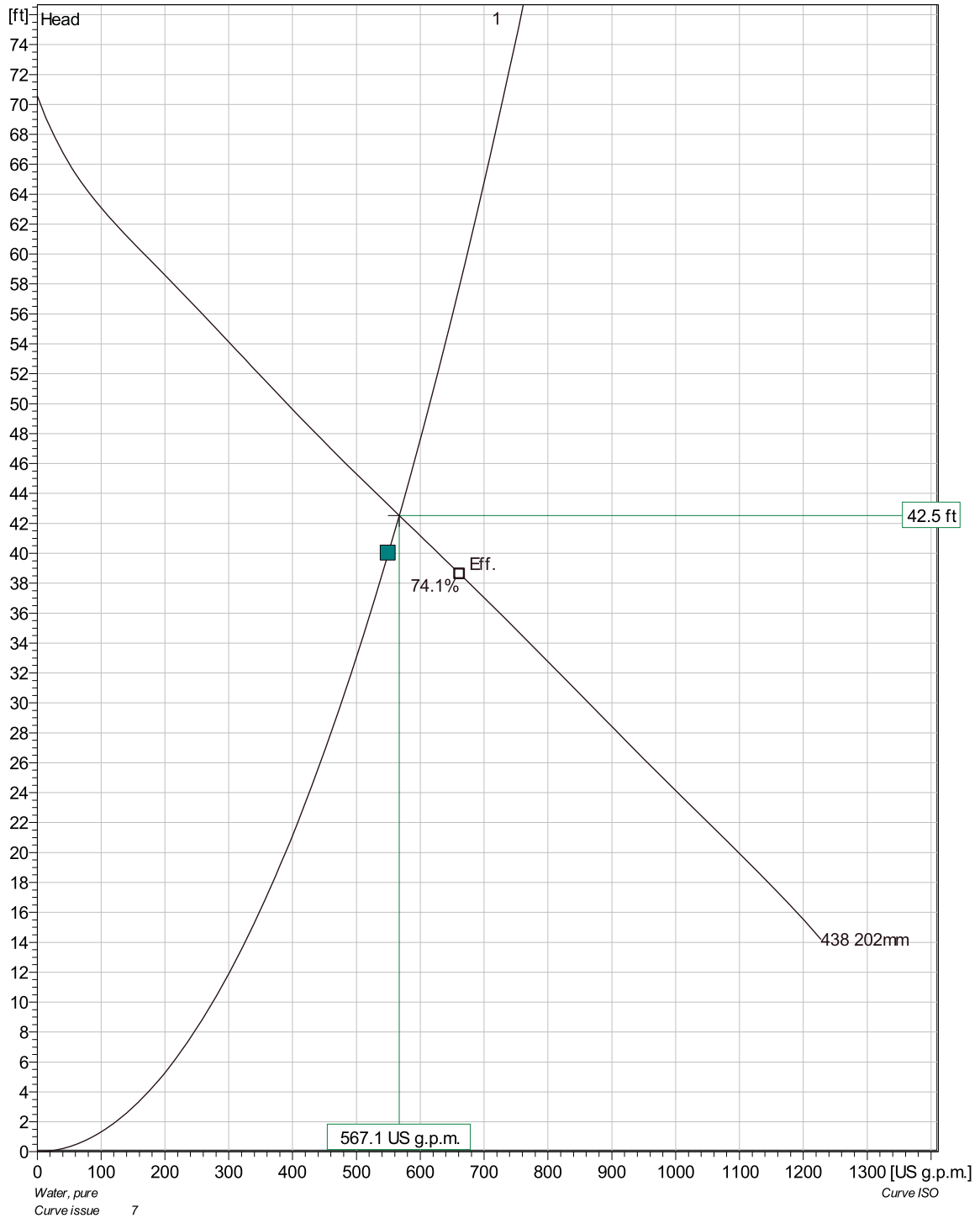
Power factor
1/1 Load 0.85
3/4 Load 0.83
1/2 Load 0.75
Motor efficiency
1/1 Load 82.1 %
3/4 Load 83.6 %
1/2 Load 83.1 %



Duty point	Guarantee
Flow	Head
550 US g.p.m.	40 ft
	No

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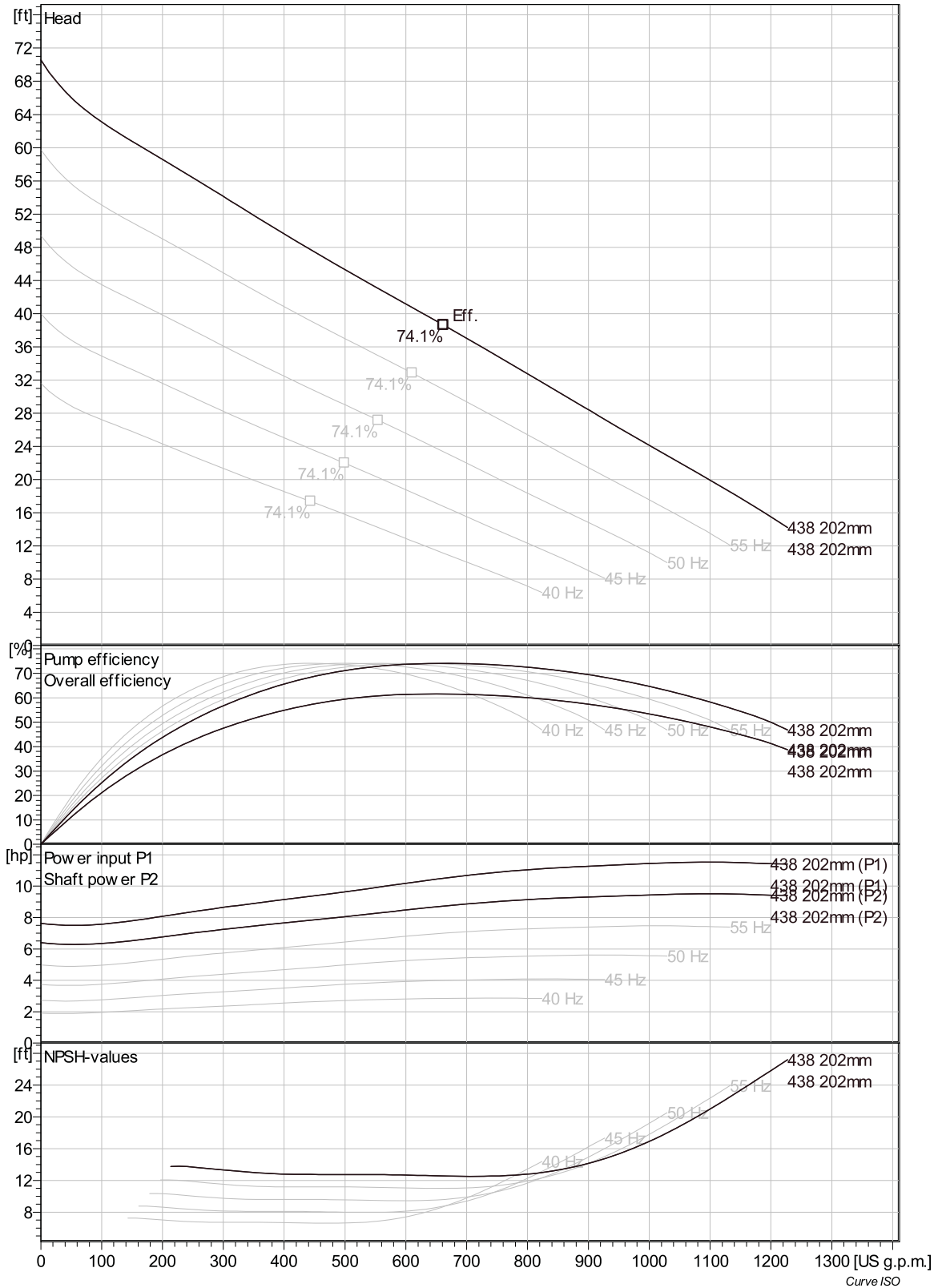
NP 3127 MT 3~ Adaptive 438 Duty Analysis



Pumps running /System	Individual pump			Total			Pump eff.	Specific energy	NPSHre
	Flow	Head	Shaft power	Flow	Head	Shaft power			
1	567 US g.p.m.	42.5 ft	8.34 hp	567 US g.p.m.	42.5 ft	8.34 hp	73.2 %	219 kWh/US MG	12.7 ft

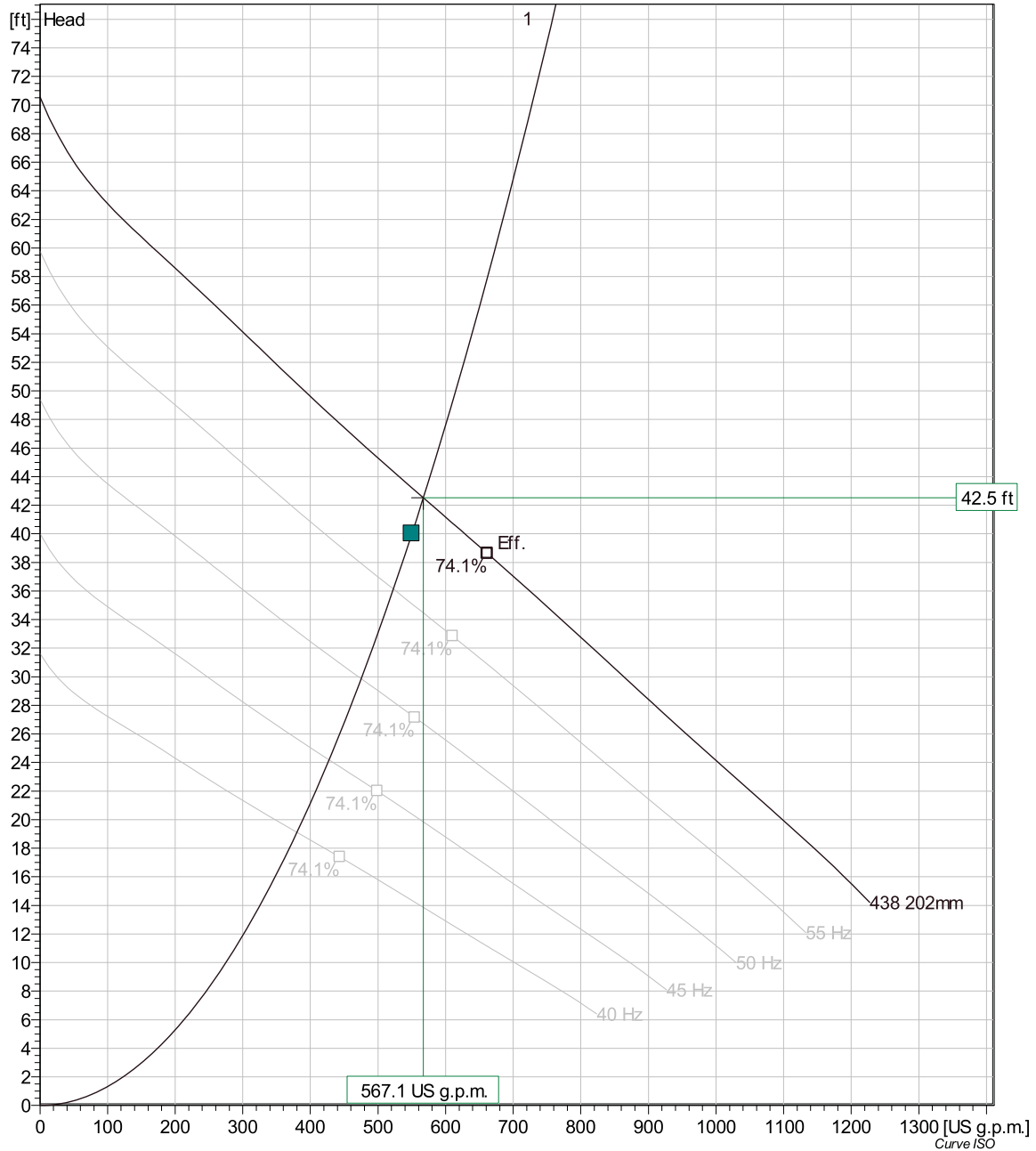
Project	Project ID	Created by	Created on	Last update
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NP 3127 MT 3~ Adaptive 438 VFD Curve



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NP 3127 MT 3~ Adaptive 438 VFD Analysis

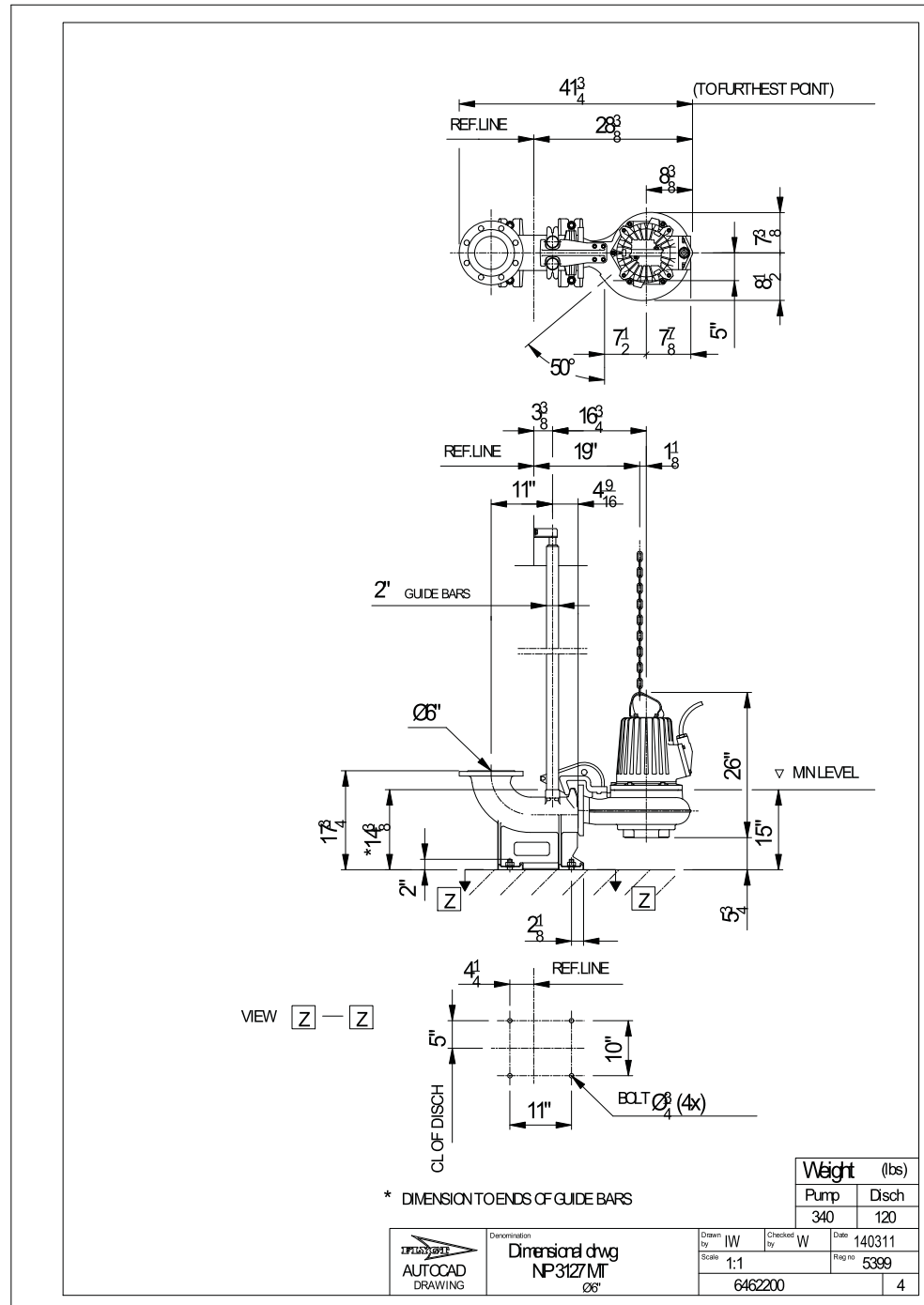


Pumps running /System	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Pump eff.	Specific energy	NPSHre
1	60 Hz	567 US g.p.m.	42.5 ft	8.34 hp	567 US g.p.m.	42.5 ft	8.34 hp	73.2 %	219 kWh/US MG	12.7 ft
1	55.1 Hz	523 US g.p.m.	36.1 ft	6.53 hp	523 US g.p.m.	36.1 ft	6.53 hp	73.2 %	185 kWh/US MG	11.2 ft
1	50.1 Hz	475 US g.p.m.	29.9 ft	4.91 hp	475 US g.p.m.	29.9 ft	4.91 hp	73.2 %	155 kWh/US MG	9.57 ft
1	45.1 Hz	428 US g.p.m.	24.2 ft	3.58 hp	428 US g.p.m.	24.2 ft	3.58 hp	73.2 %	129 kWh/US MG	8.09 ft
1	40.1 Hz	380 US g.p.m.	19.1 ft	2.51 hp	380 US g.p.m.	19.1 ft	2.51 hp	73.2 %	107 kWh/US MG	6.7 ft

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Dimensional drawing



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