

NP 3085 MT 3~ Adaptive 462

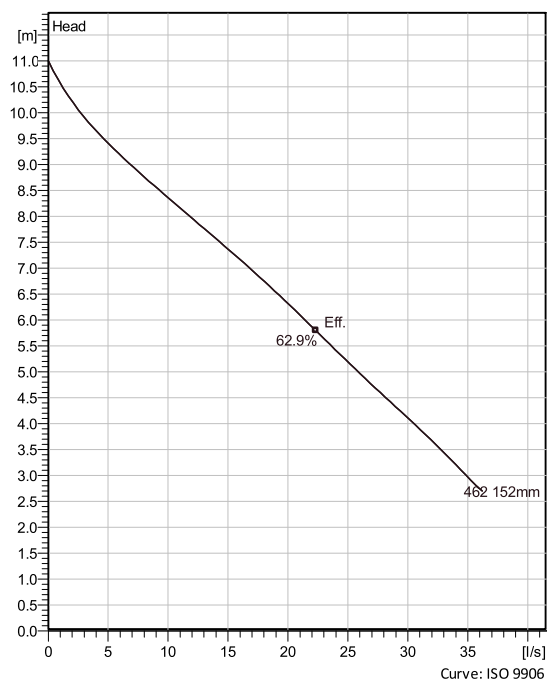
Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Possible to be upgraded with Guide-pin® for even better clogging resistance. Modular based design with high adaptation grade.



Technical specification



Curves according to: Water, pure [100%], 4 °C, 1 kg/dm³, 1.569 mm²/s



Configuration

Motor number N3085.160 15-10-4AL-W 3hp	Installation type P - Semi permanent, Wet
Impeller diameter 152 mm	Discharge diameter 80 mm

Pump information

Impeller diameter 152 mm
Discharge diameter 80 mm
Inlet diameter 80 mm
Maximum operating speed 1700 1/min
Number of blades 2

Materials

Impeller Grey cast iron
Stator housing material Grey cast iron

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Technical specification



Motor - General

Motor number N3085.160 15-10-4AL-W 3hp	Phases 3~	Rated speed 1700 1/min	Rated power 2.2 kW
Approval No	Number of poles 4	Rated current 9.6 A	Stator variant 68
Frequency 60 Hz	Rated voltage 208 V	Insulation class H	Type of Duty S1

Motor - Technical

Power factor - 1/1 Load 0.83	Motor efficiency - 1/1 Load 77.8 %	Total moment of inertia 0.02 kg m ²	Starts per hour max. 30
Power factor - 3/4 Load 0.77	Motor efficiency - 3/4 Load 78.9 %	Starting current, direct starting 53 A	
Power factor - 1/2 Load 0.66	Motor efficiency - 1/2 Load 77.3 %	Starting current, star-delta 17.7 A	

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Performance curve

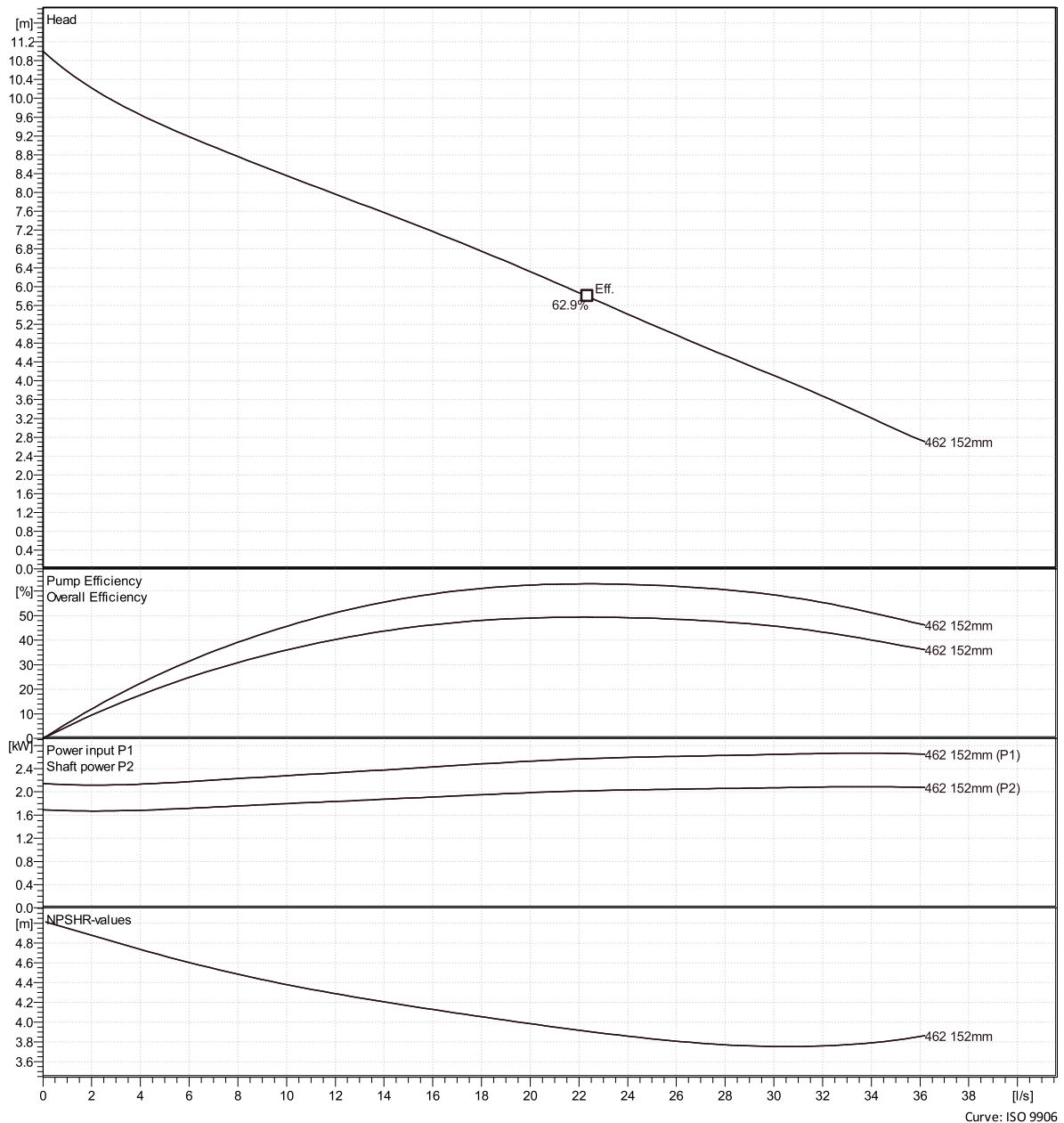


Duty point

Flow

Head

Curves according to: Water, pure [100%], 4 °C, 1 kg/dm³, 1.569 mm²/s



Curve: ISO 9906

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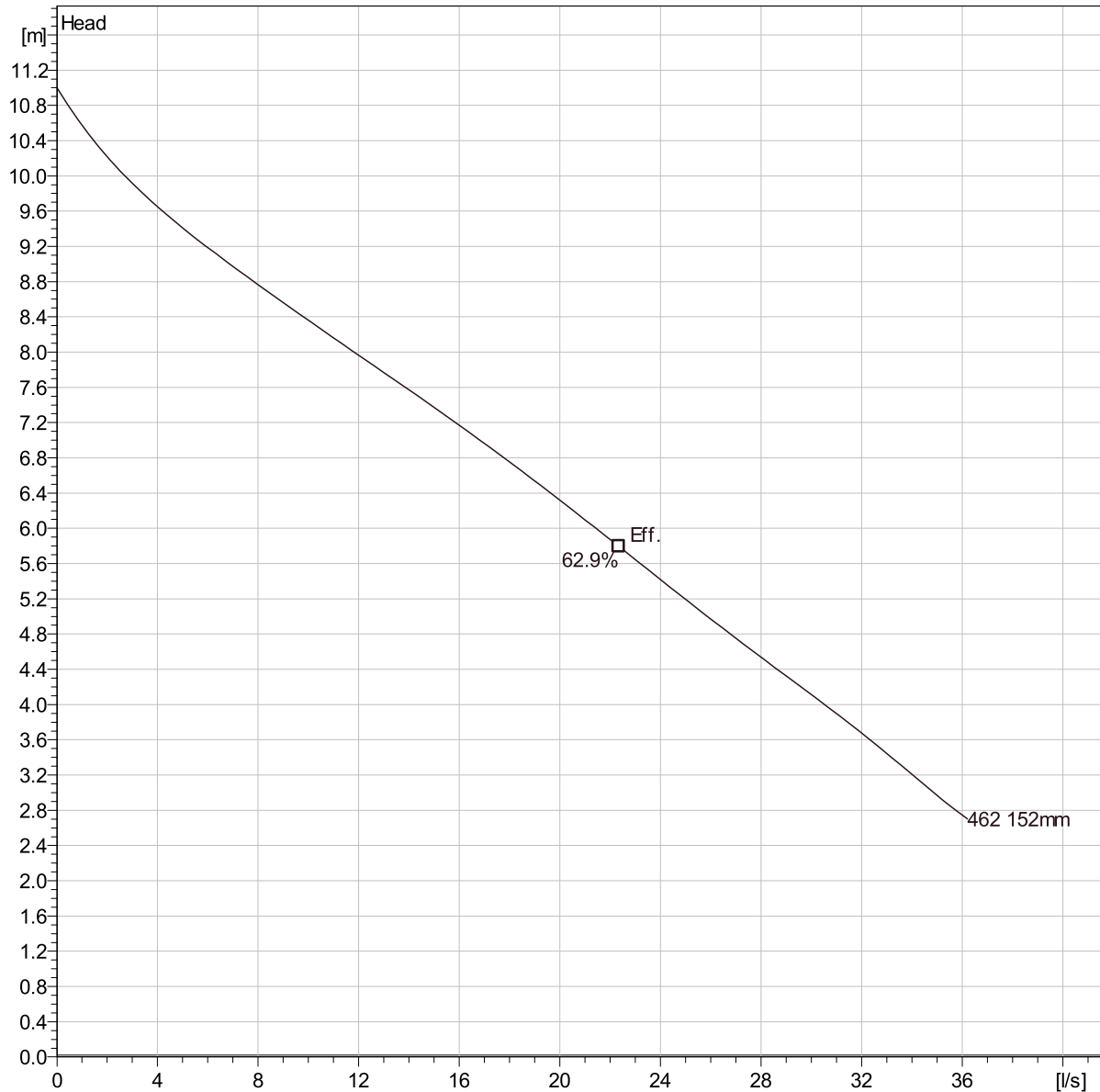
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Duty Analysis



Curves according to: Water, pure [100%], 4 °C, 1 kg/dm³, 1.569 mm²/s



Curve: ISO 9906

Operating characteristics

Pumps/Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific energy	NPSHr
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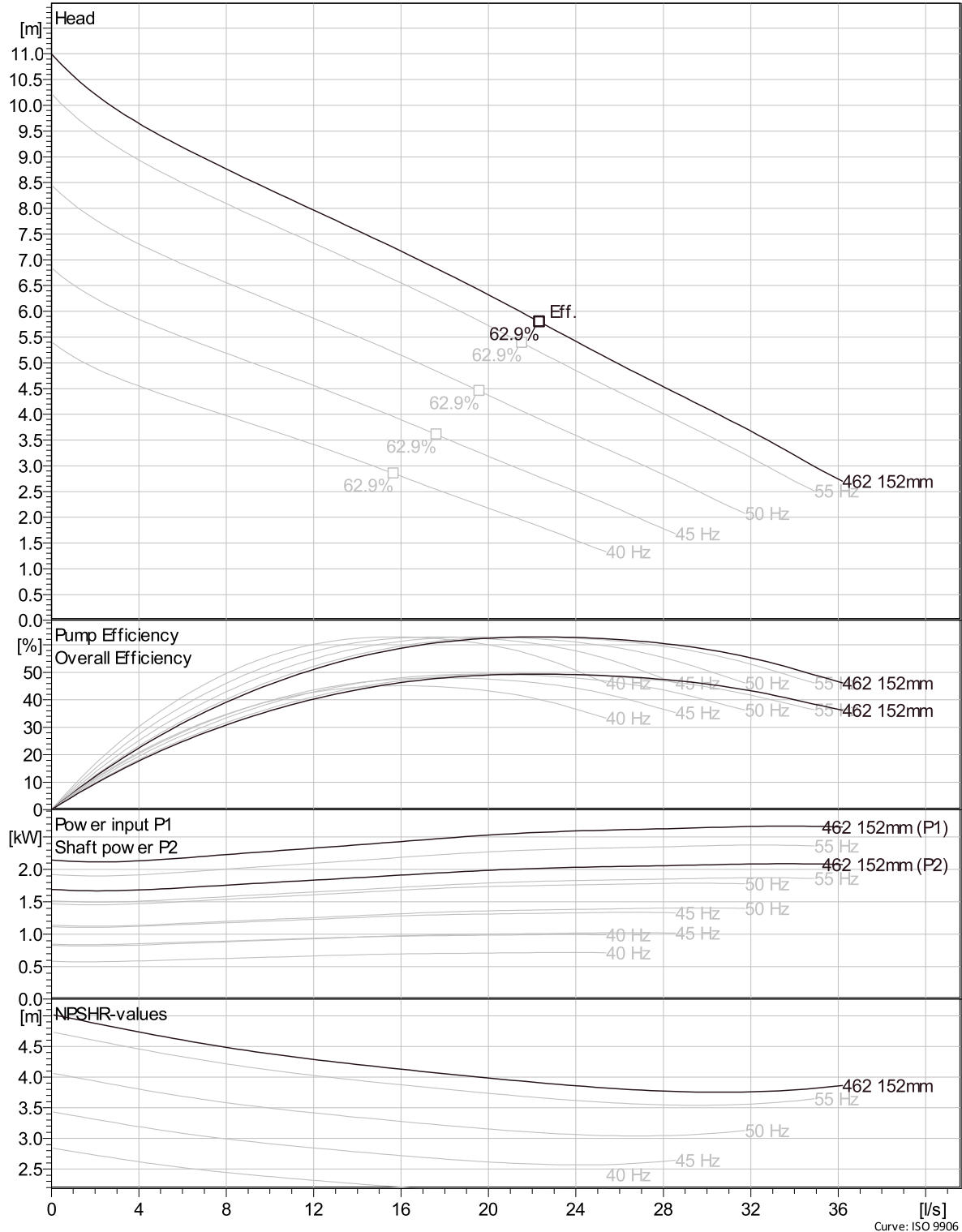
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VFD Curve



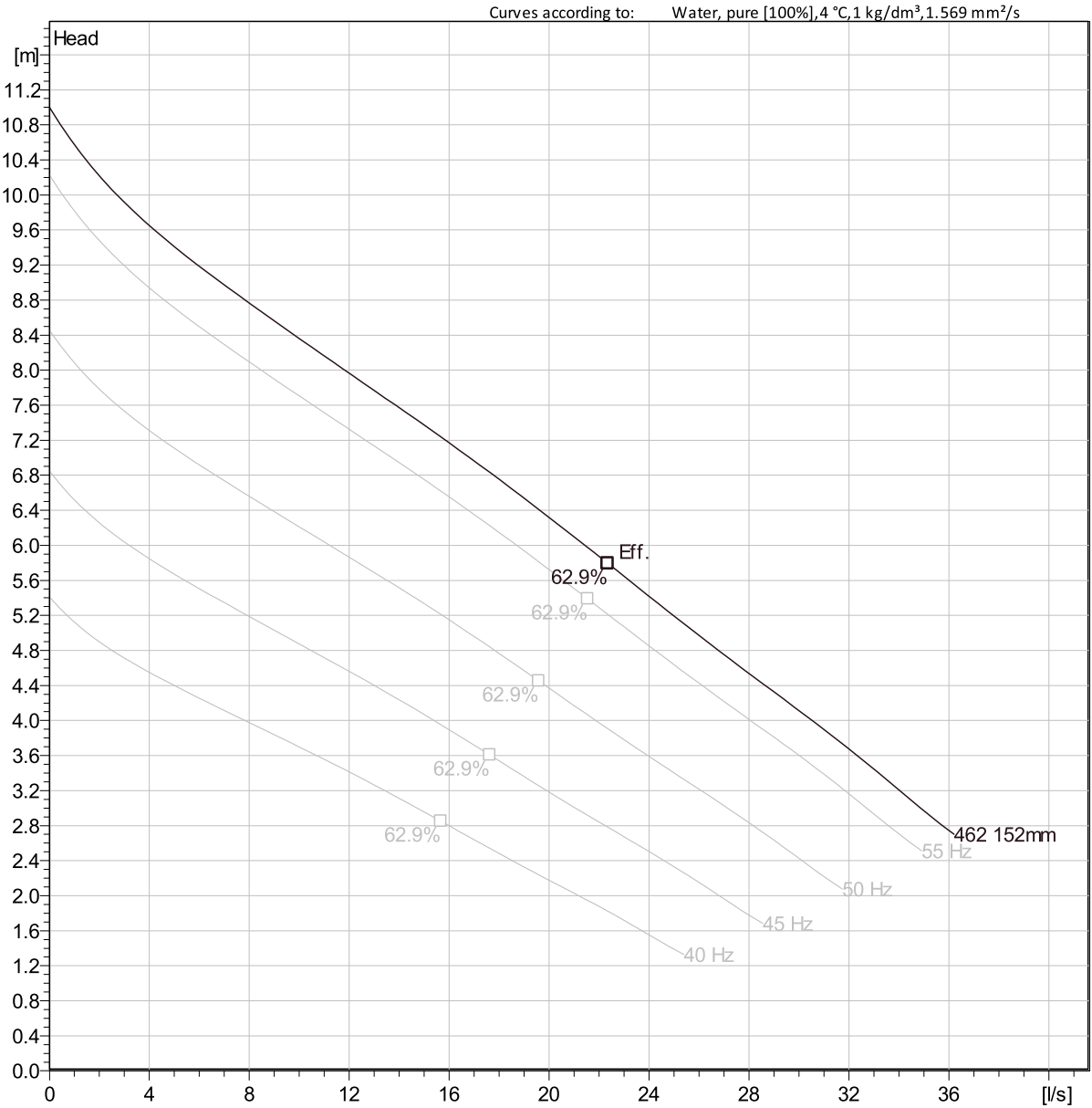
Curves according to: Water, pure [100%], 4 °C, 1 kg/dm³, 1.569 mm²/s



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VFD Analysis



Curve: ISO 9906

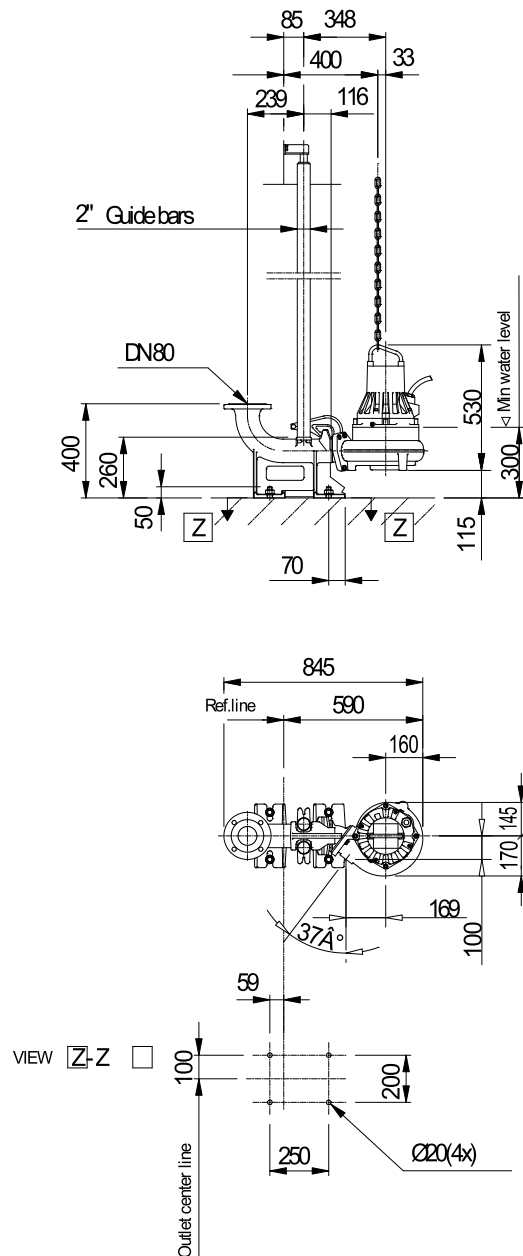
Operating Characteristics

Pumps/Syste s	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHr
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Dimensional Drawing



VIEW Z-Z



NP	3085	MT
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Discharge outlet	DN 80
Pump outlet	
Pump inlet	
Suction inlet	

Weight (kg)	
Pump	Disch
69	35
Scale	Date
1:20	181122
Drawing number	Revision
6601900	4

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