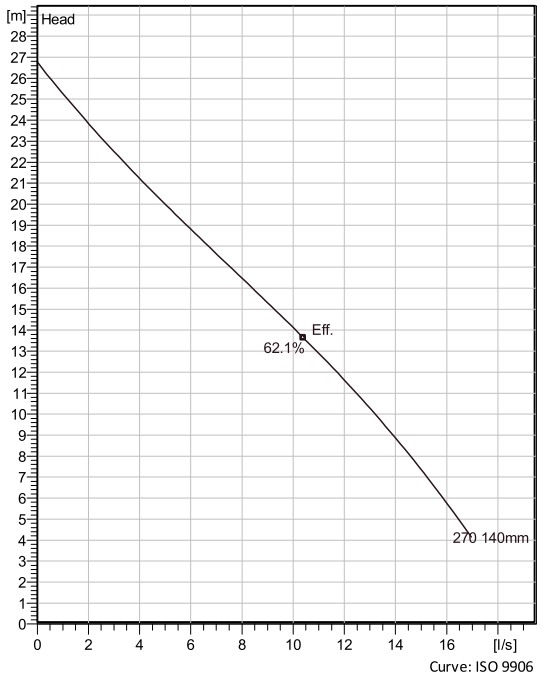
NP 3069 SH 3~ Adaptive 270

Patented self cleaning semi-open channel impeller, ideal for pumping in most waste water applications. Modular based design with high adaptation grade.

Technical specification

Curves according to: Water, pure [100%],4 °C,1000 kg/m³,1.569 mm²/s



Curve: ISO 9906

Nominal (mean) data shown. Under- and over-performance from this data should be expected due to standard manufacturing tolerances.
Please consult your local Flygt representative for performance guarantees.

Configuration

Motor number
N3069.160 13-10-2BB-W 2.4KW

Installation type
P - Semi permanent, Wet

Impeller diameter
140 mm

Discharge diameter
50 mm

Pump information

Impeller diameter
140 mm

Discharge diameter
50 mm

Inlet diameter
100 mm

Maximum operating speed
2775 rpm

Number of blades
2

Max. fluid temperature
40 °C

Materials

Impeller
Grey cast iron

Stator housing material
Grey cast iron

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Technical specification

Motor - General

Motor number N3069.160 13-10-2BB-W 2.4KW	**Phases** 3~	**Rated speed** 2775 rpm	**Rated power** 2.4 kW
Approval No	**Number of poles** 2	**Rated current** 5.1 A	**Stator variant** 5
Frequency 50 Hz	**Rated voltage** 400 V	**Insulation class** F	**Type of Duty** S1
Version code 160			

Motor - Technical

Power factor - 1/1 Load 0.86	**Motor efficiency - 1/1 Load** 79.8 %	**Total moment of inertia** 0.00444 kg m²	**Starts per hour max.** 15
Power factor - 3/4 Load 0.80	**Motor efficiency - 3/4 Load** 82.7 %	**Starting current, direct starting** 27 A	
Power factor - 1/2 Load 0.68	**Motor efficiency - 1/2 Load** 83.6 %	**Starting current, star-delta** 8.99 A	

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Performance curve

Duty point

Flow	Head
10.6 l/s	13.4 m

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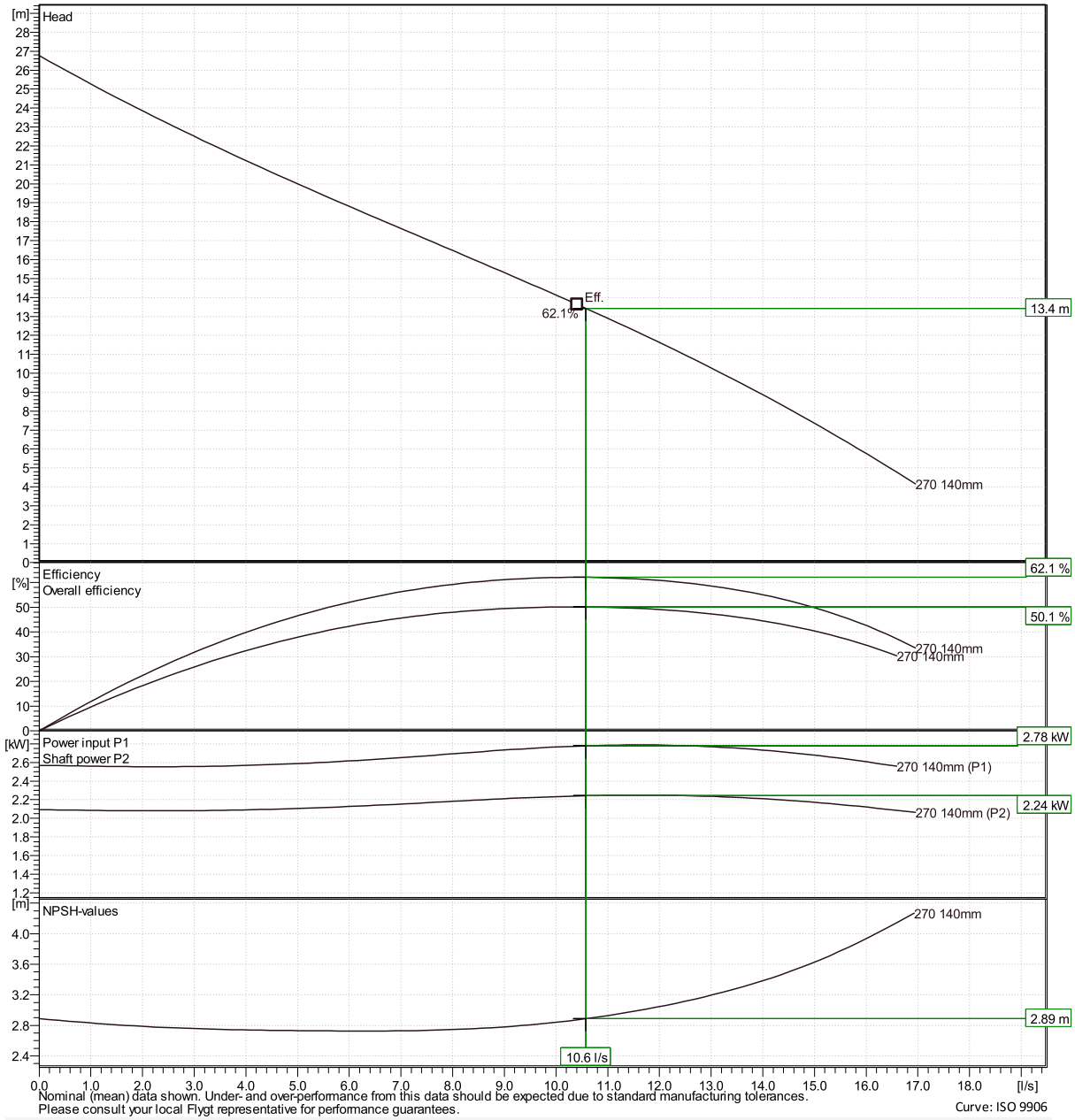

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Curve: ISO 9906

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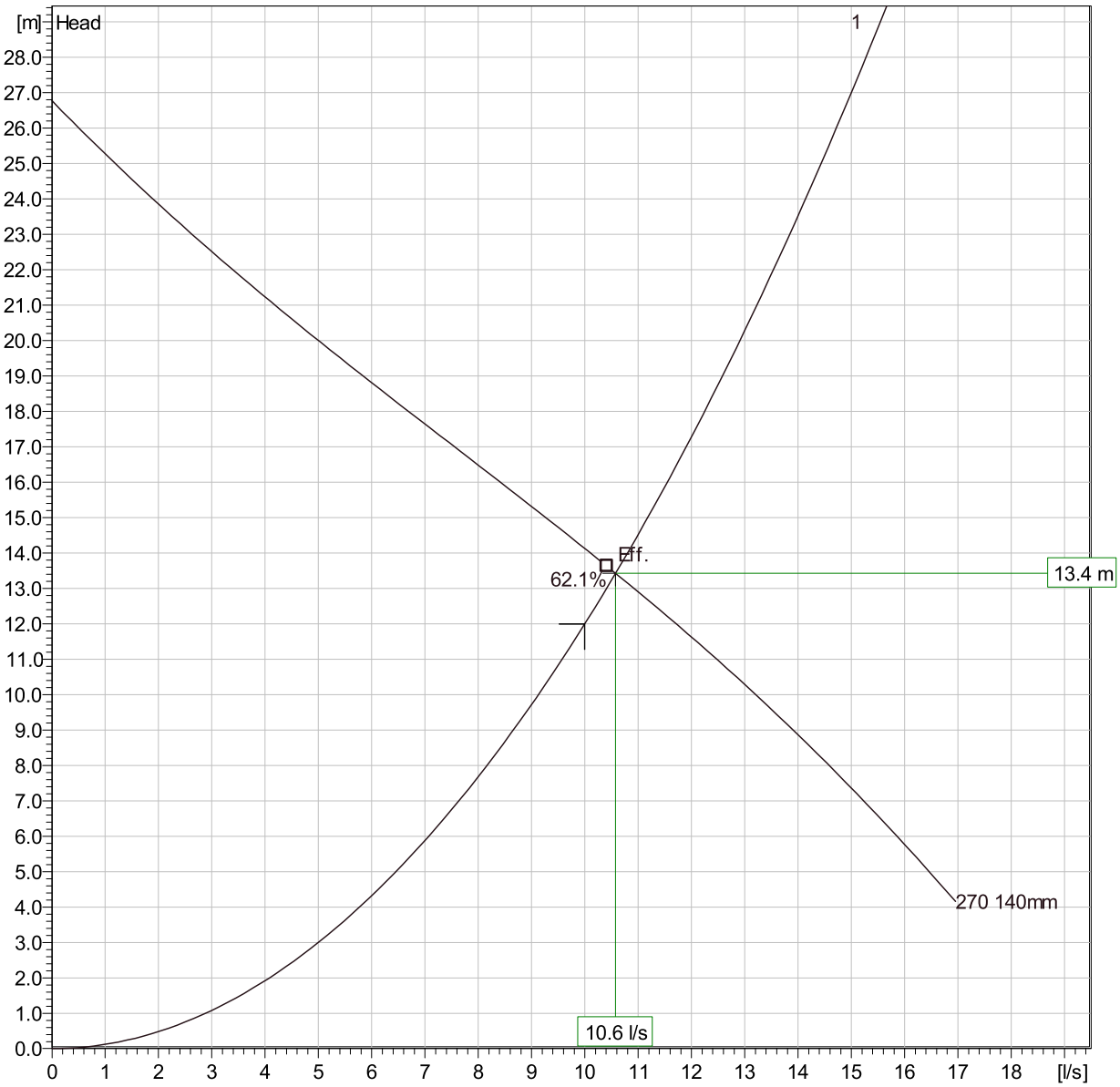
Duty Analysis

Curves according to: Water, pure ,4 °C,1000 kg/m³,1.569 mm²/s



Operating characteristics

Pumps / Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHre
1	10.6 l/s	13.4 m	2.24 kW	10.6 l/s	13.4 m	2.24 kW	62.1 %	0.073 kWh/m³	2.89 m

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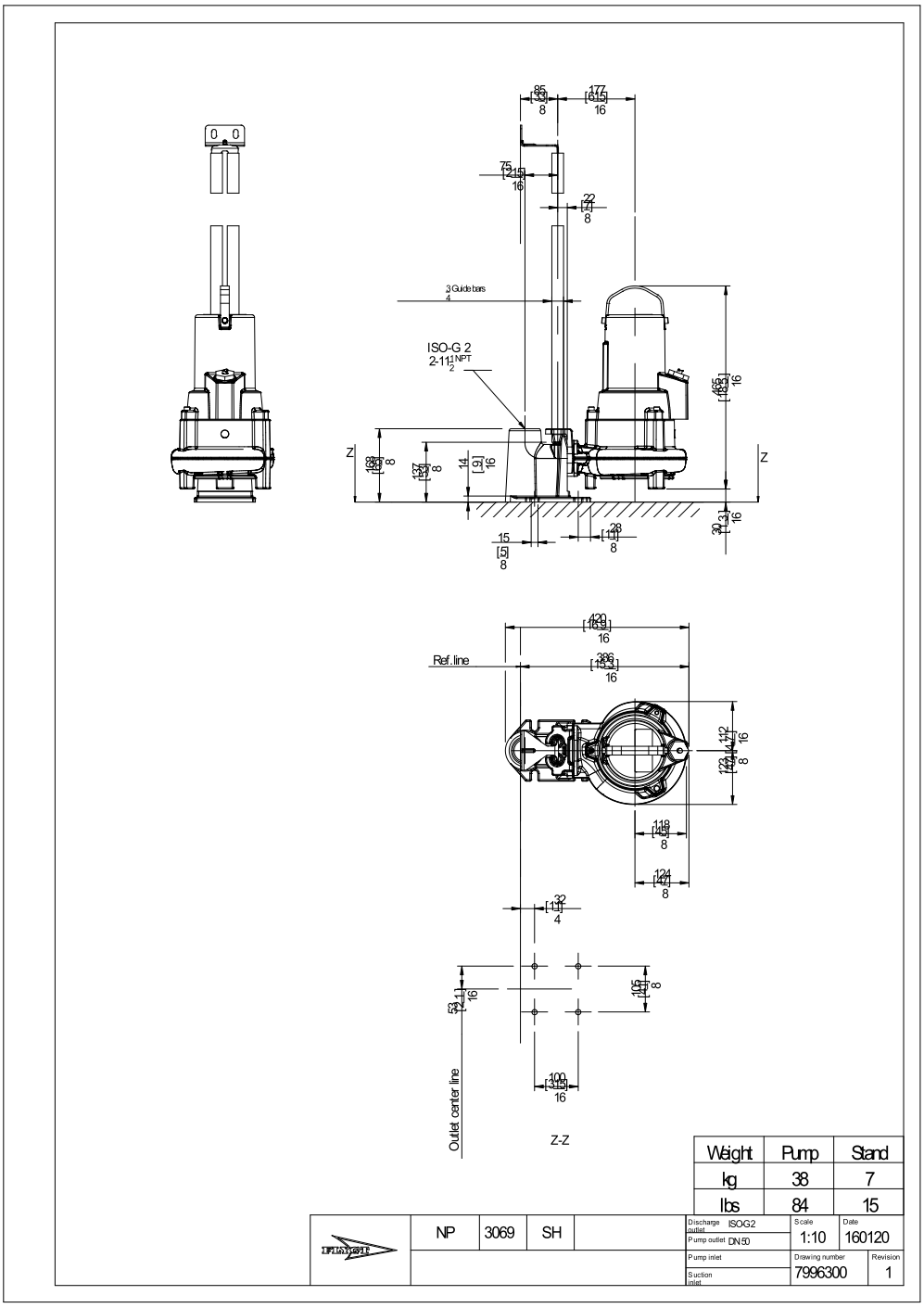
Dimensional drawing



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