

NP 3069 SH 3~ Adaptive 272

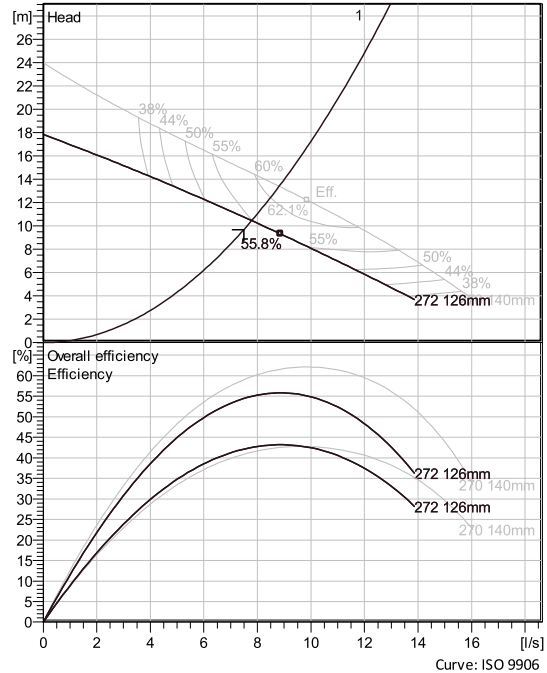
Patented self cleaning semi-open channel impeller, ideal for pumping in most waste water applications. Modular based design with high adaptation grade.



Technical specification



Curves according to: Water, pure [100%], 4 °C, 999.9 kg/m³, 1.5692 mm²/s



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 13-08-2BB-W 1.7KW	Installation type P - Semi permanent, Wet
Impeller diameter 126 mm	Discharge diameter 50 mm

Pump information

Impeller diameter 126 mm
Discharge diameter 50 mm
Inlet diameter 100 mm
Maximum operating speed 2700 rpm
Number of blades 2
Max. fluid temperature 40 °C

Materials

Impeller Grey cast iron
Stator housing material Grey cast iron

Project	Xylect-20443234	Created by	nicolas galeano
Block		Created on	8/8/2024
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Technical specification



Motor - General

Motor number N3069.160 13-08-2BB-W 1.7KW	Phases 3~	Rated speed 2700 rpm	Rated power 1.7 kW
Approval No	Number of poles 2	Rated current 3.8 A	Stator variant 1
Frequency 50 Hz	Rated voltage 400 V	Insulation class F	Type of Duty S1
Version code 160			

Motor - Technical

Power factor - 1/1 Load 0.87	Motor efficiency - 1/1 Load 75.2 %	Total moment of inertia 0.00349 kg m ²	Starts per hour max. 15
Power factor - 3/4 Load 0.81	Motor efficiency - 3/4 Load 78.8 %	Starting current, direct starting 17 A	
Power factor - 1/2 Load 0.70	Motor efficiency - 1/2 Load 79.6 %	Starting current, star-delta 5.66 A	

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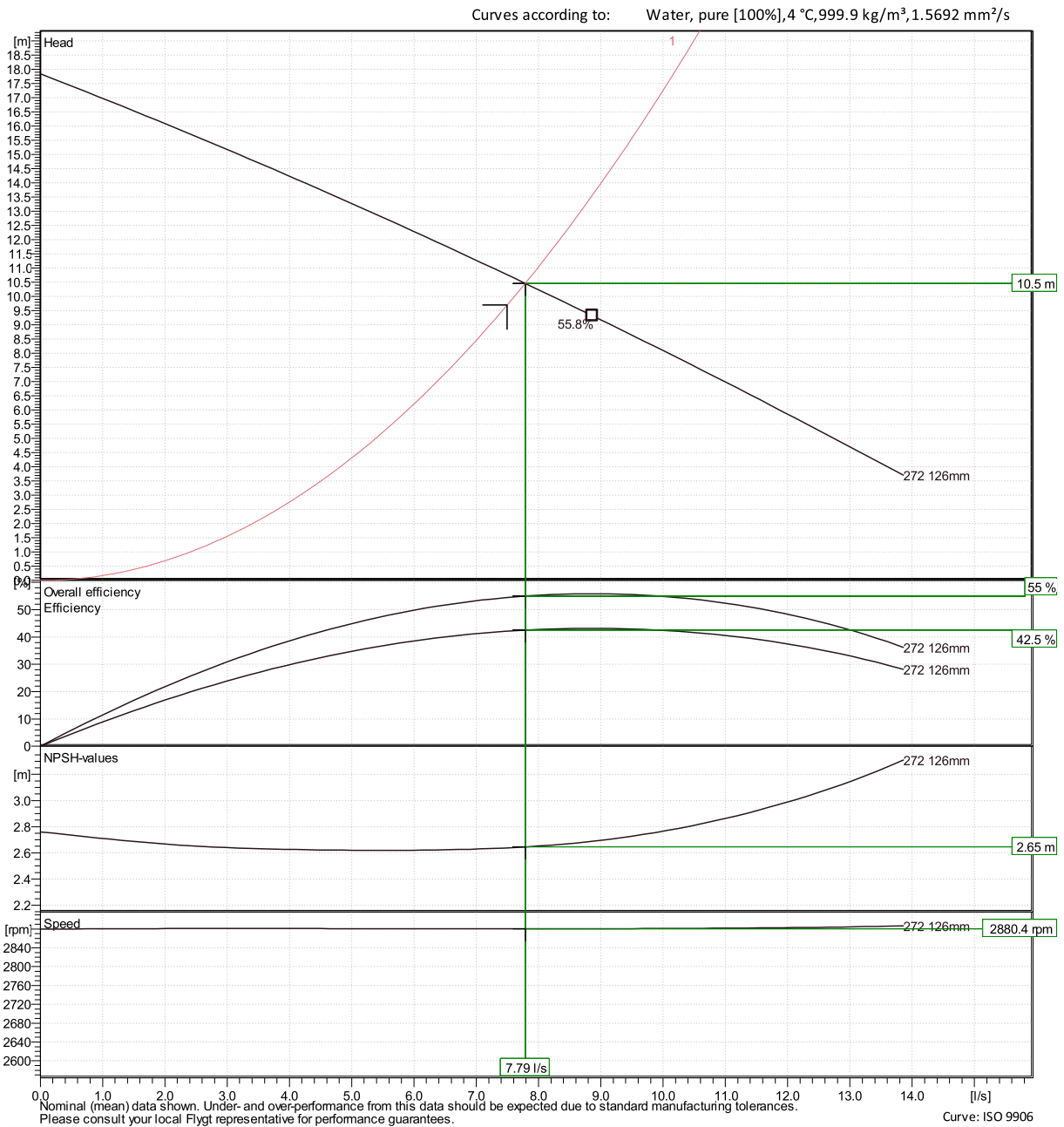
Performance curve



Duty point

Flow
7.79 l/s

Head
10.5 m



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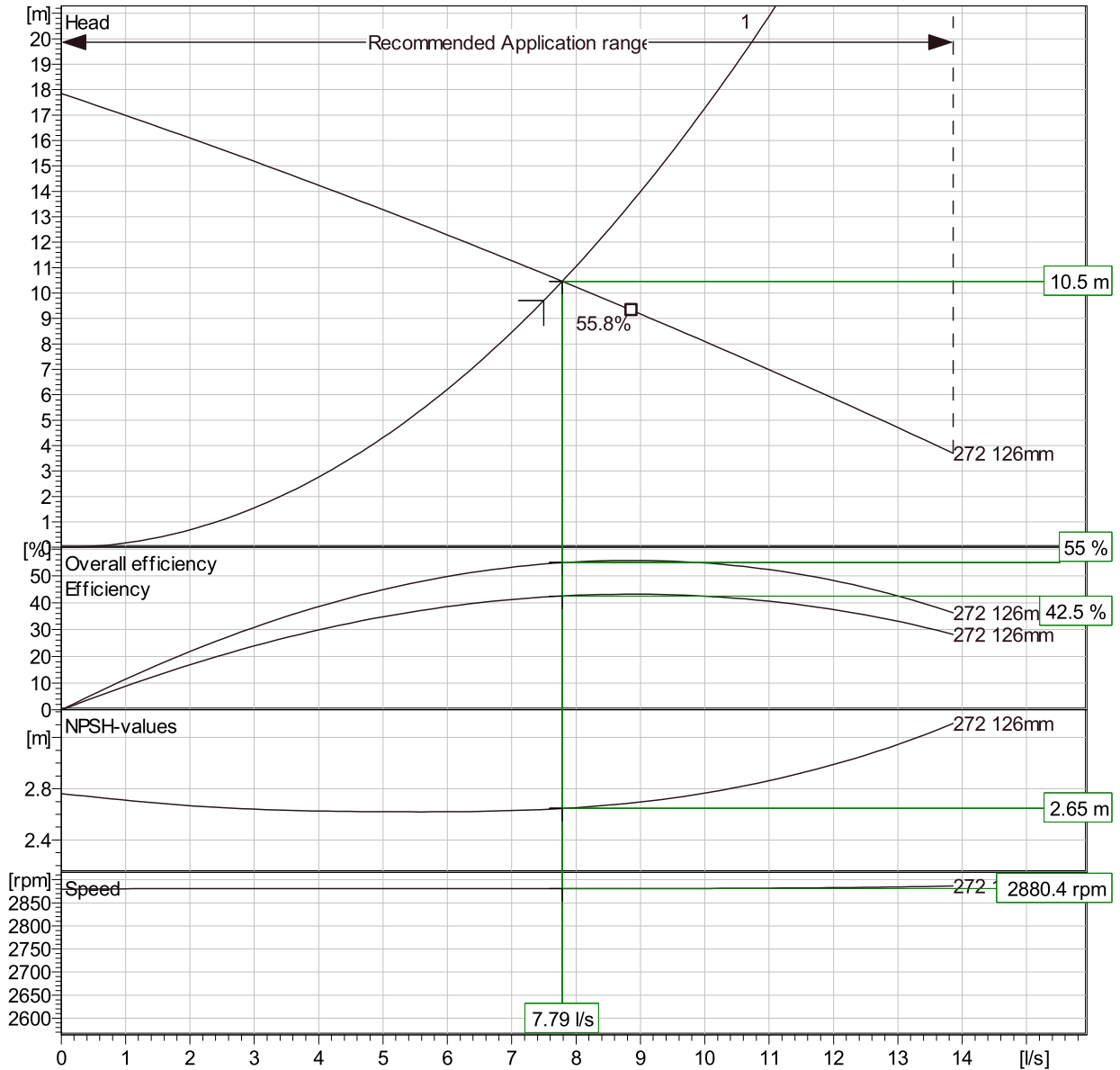
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Duty Analysis



Curves according to: Water, pure, 4 °C, 999.9 kg/m³, 1.5692 mm²/s



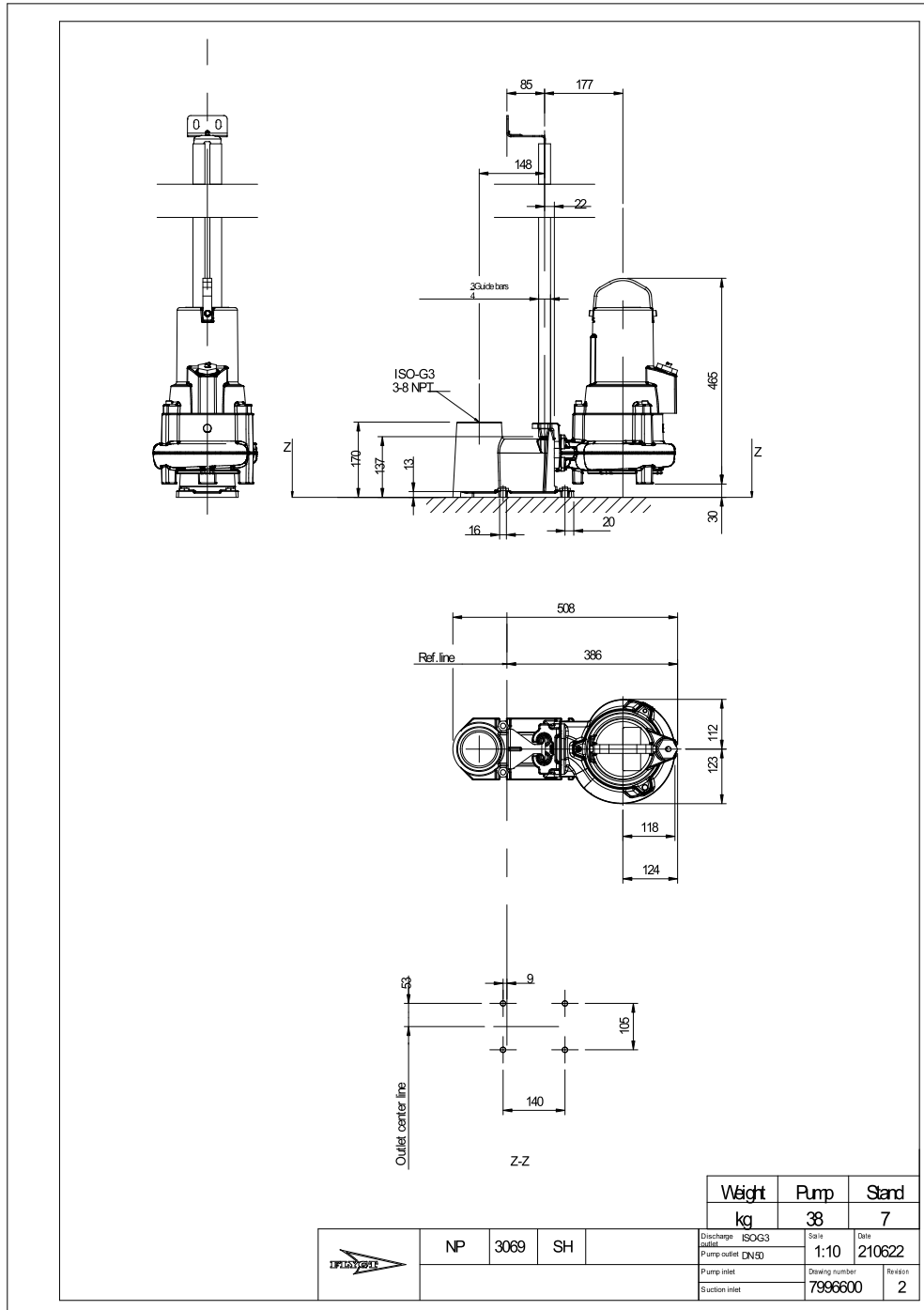
Operating characteristics

Pumps / Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr. eff.	Specific Energy	NPSHr
1	7.79 l/s	10.5 m	1.45 kW	7.79 l/s	10.5 m	1.45 kW	55 %	0.067 kWh/m ³	2.65 m

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Dimensional drawing



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