

Concertor N80-4350

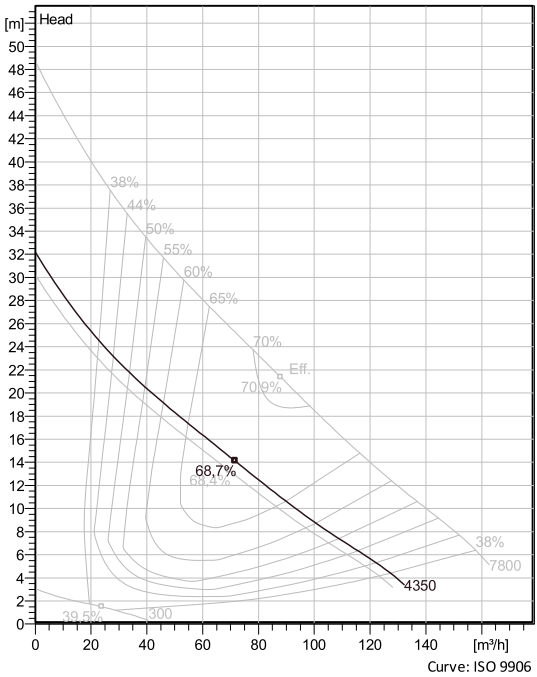
The most intelligent wastewater pump on the market. Suitable for customers operating traditional on/off pump stations who want to benefit from re-settable pump performance, clog detection and pump cleaning, soft start, constant power and motor protection.



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 N6020.182 18-08-1AZ-W 4KW	Installation type P - Semi permanent, Wet
Impeller diameter 170 mm	Discharge diameter 80 mm

Pump information

Impeller diameter 170 mm
Discharge diameter 80 mm
Inlet diameter 110 mm
Maximum operating speed 800-2611,4 rpm
Number of blades 2

Materials

Impeller Hard-Iron

Max. fluid temperature
40 °C

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Technical specification



Motor - General

Motor number N6020.182 18-08-1AZ-W 4KW	Phases 3~	Rated speed 800-2611 rpm	Rated power 4 kW
Approval No	Insulation class H	Rated current 7 A	Type of Duty S1
Frequency 50 Hz	Rated voltage 400 V	Motor efficiency class IE4 according to IEC/TS 60034-30-2 Ed. 1	

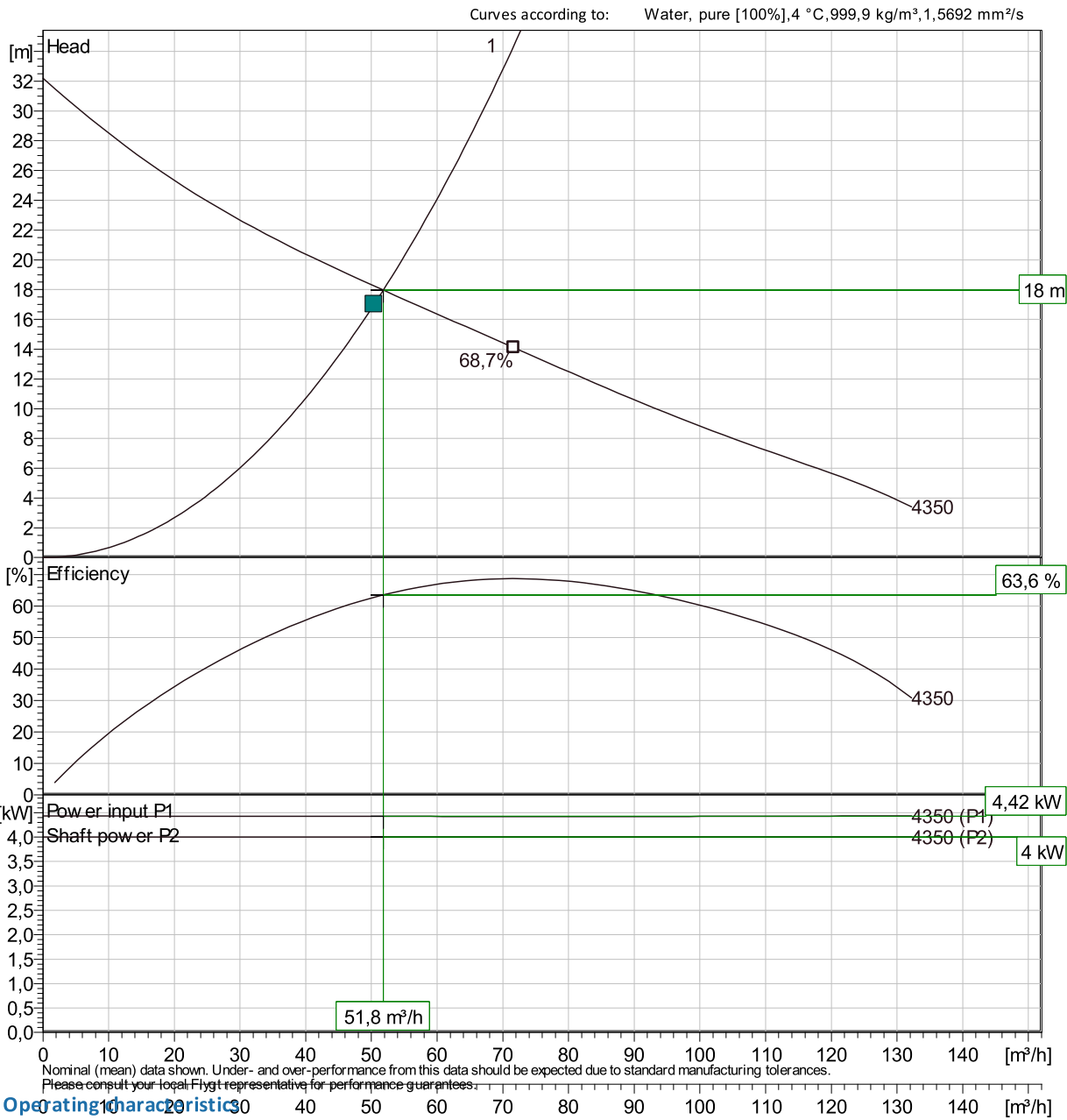
Motor - Technical

Power factor - 1/1 Load 0,95	Motor efficiency - 1/1 Load 90,0 %	Nominal speed - 1/1 Load 2300 rpm
Power factor - 3/4 Load 0,95	Motor efficiency - 3/4 Load 91,0 %	Nominal speed - 3/4 Load 2070 rpm
Power factor - 1/2 Load 0,95	Motor efficiency - 1/2 Load 91,0 %	Nominal speed - 1/2 Load 1840 rpm
Starting current 7 A		

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Duty Analysis

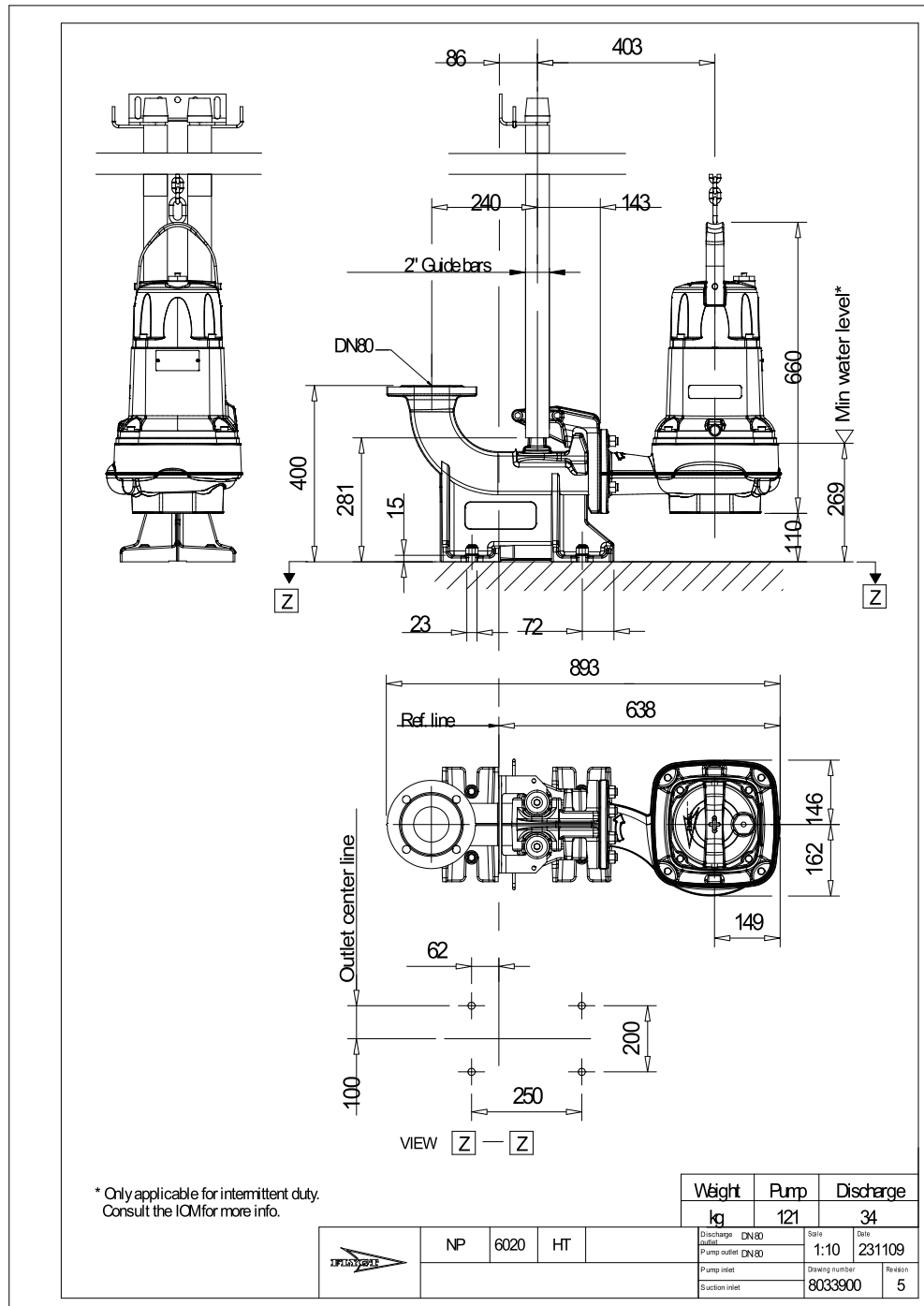


Pumps / Systems	Flow m ³ /h	Head m	Shaft power kW	Flow m ³ /h	Head m	Shaft power kW	Hydr.eff.	Specific energy kWh/m ³	NPSHr m
1	51,8	18	4	51,8	18	4	63,6 %	0,0854	3,22

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Dimensional drawing



Project Xylect-20149361
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