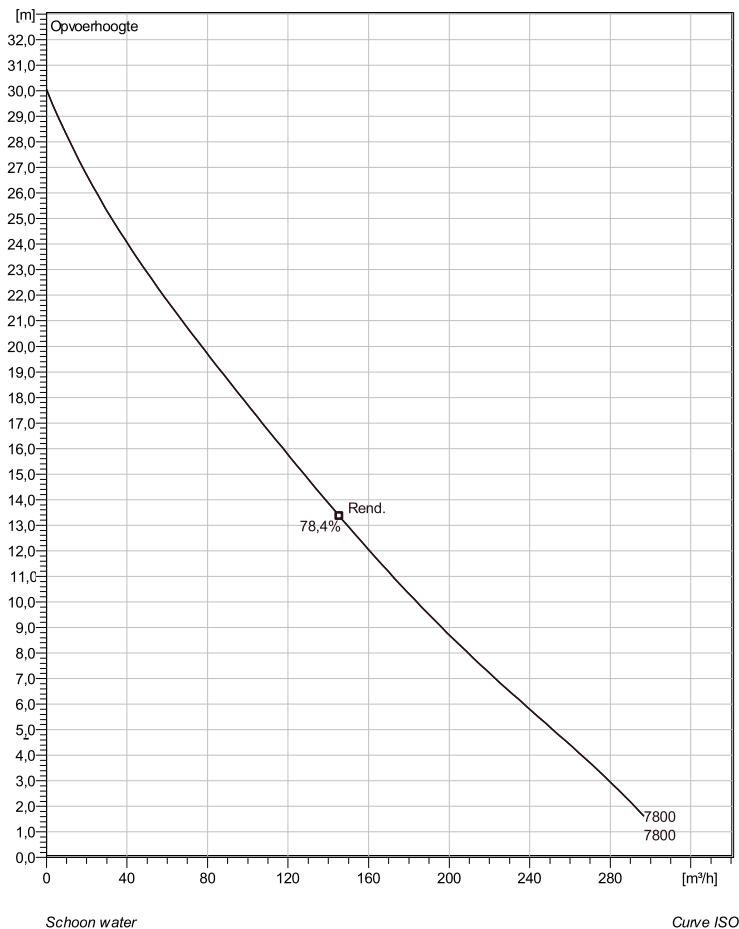


Concertor DP N100-7800

Technical Specification



Note: Picture might not correspond to the current configuration.

General

A process controlled wastewater pumping system that consists of as many pumps as required by the customer's application, as well as one gateway per pump. Suitable for customers who own specially designed process control algorithms and want to benefit from lower capital costs, smaller control cabinets and higher pump system efficiencies as well as clog detection and pump cleaning.

Impeller

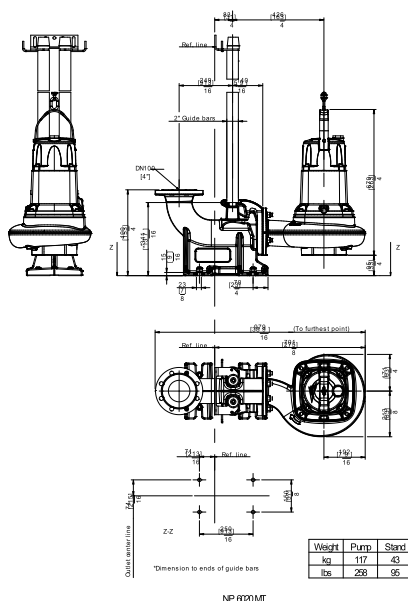
Impeller material	Grey cast iron
Persaansluiting	100 mm
Diameter aanzuigzijde	120 mm
Impeller diameter	200 mm
Aantal bladen	2

Motor

Motor #	N6020.180 18-08-1AZ-W 7.3KW
	standaard
Frequentie	50/60 Hz
Nominale spanning	400 V
Fasen	3~
Nominaal vermogen	7,3 kW
Set power	7800 W
Toegekende stroom	12 A
Aanloopstroom	12 A
Rated speed	500-2146 rpm
Vermogensfactor	
1/1 Load	
3/4 Load	
1/2 Load	
Drive and Motor efficiency	
1/1 Load	
3/4 Load	
1/2 Load	

Configuration

Soort installatie: Semi Permanent, Natuurlijk



Weight	Pump	Stand
kg	117	43
lbs	258	95

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Concertor DP N100-7800

Monitoring & Control producten



Gateway

Ja

Power Supply

24 V DC

Ports

1 x USB

1 x RS485

1 X Ethernet RJ 45

1 x Display interface, CAN

Communication

Modbus RTU

Modbus TCP

Standard I/O

4 x Digital outputs

4 x Digital inputs

1 x Analog input

1 x Analog output

Pump Interface

1 x Pump Communication Port

User Interface

14 x LED

1 x Rotator Switch

Data Logging

1000 data points

Environment Class

Protection class: IP 20

Operation temperature: -20°C to +70°C

Software Version

DP software – Variable performance control via external signal, status and alarms

Approvals

CE, UL, CSA

Interface (HMI)

None

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Concertor DP N100-7800



Karakteristiek

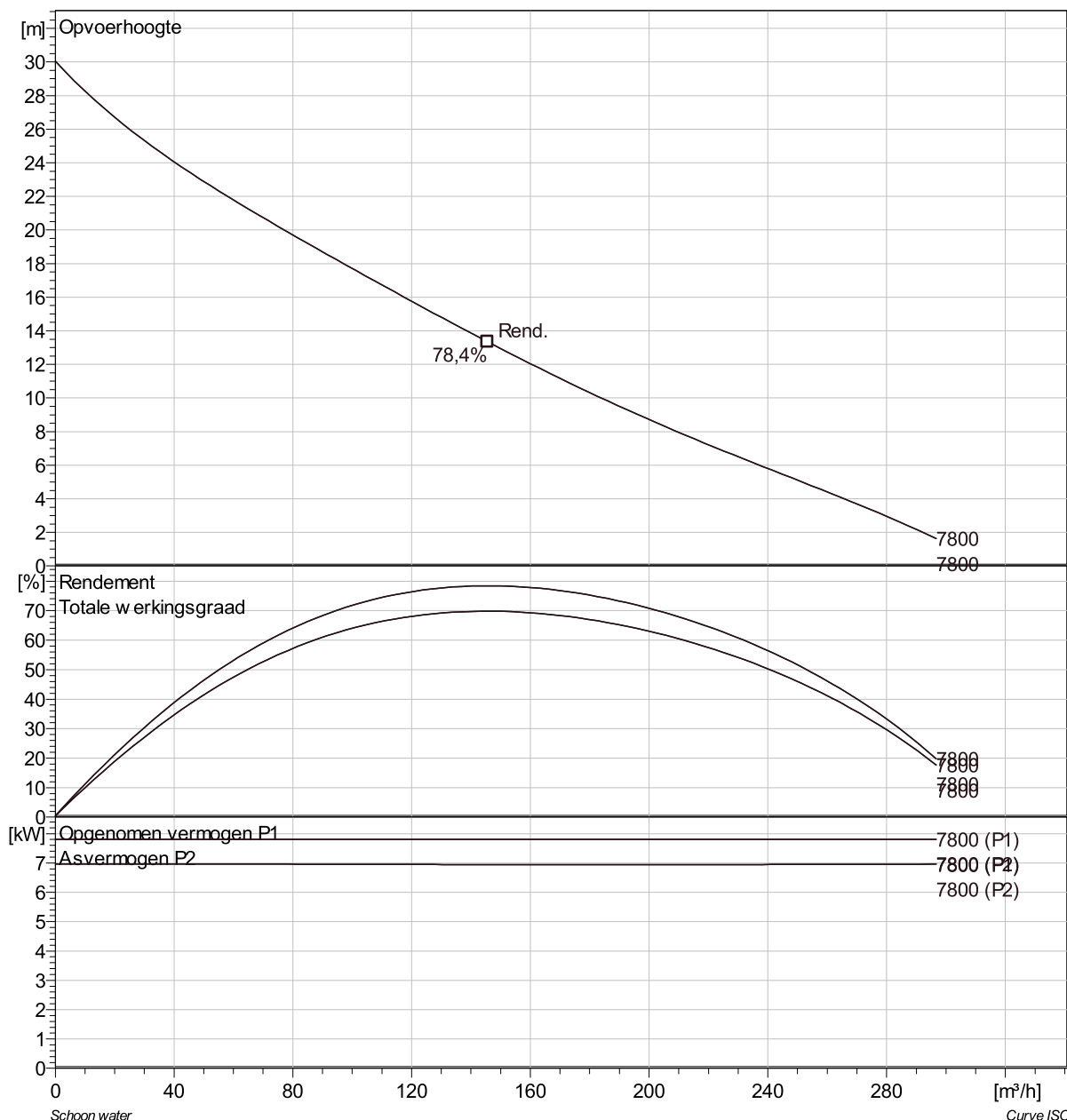
Pomp

Persaansluiting	100 mm
Diameter aanzuigzijde	120 mm
Impeller diameter	200 mm
Aantal bladen	2

Motor

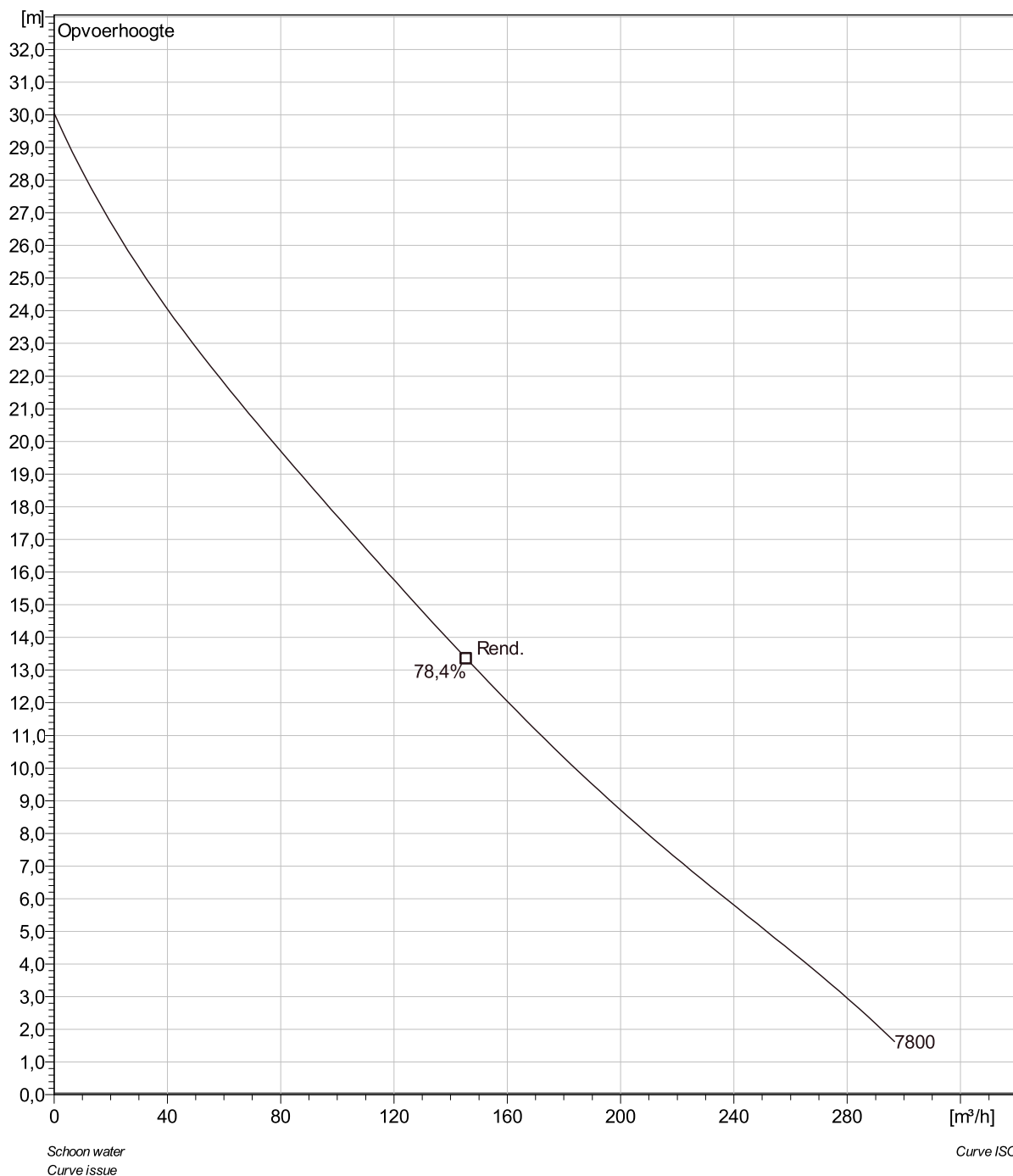
Motor #	N6020.180 18-08-1AZ-W 7.3KW
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Rated speed	500-2146 rpm

Vermogensfactor	1/1 Load
	3/4 Load
	1/2 Load
Drive and Motor efficiency	1/1 Load
	3/4 Load
	1/2 Load



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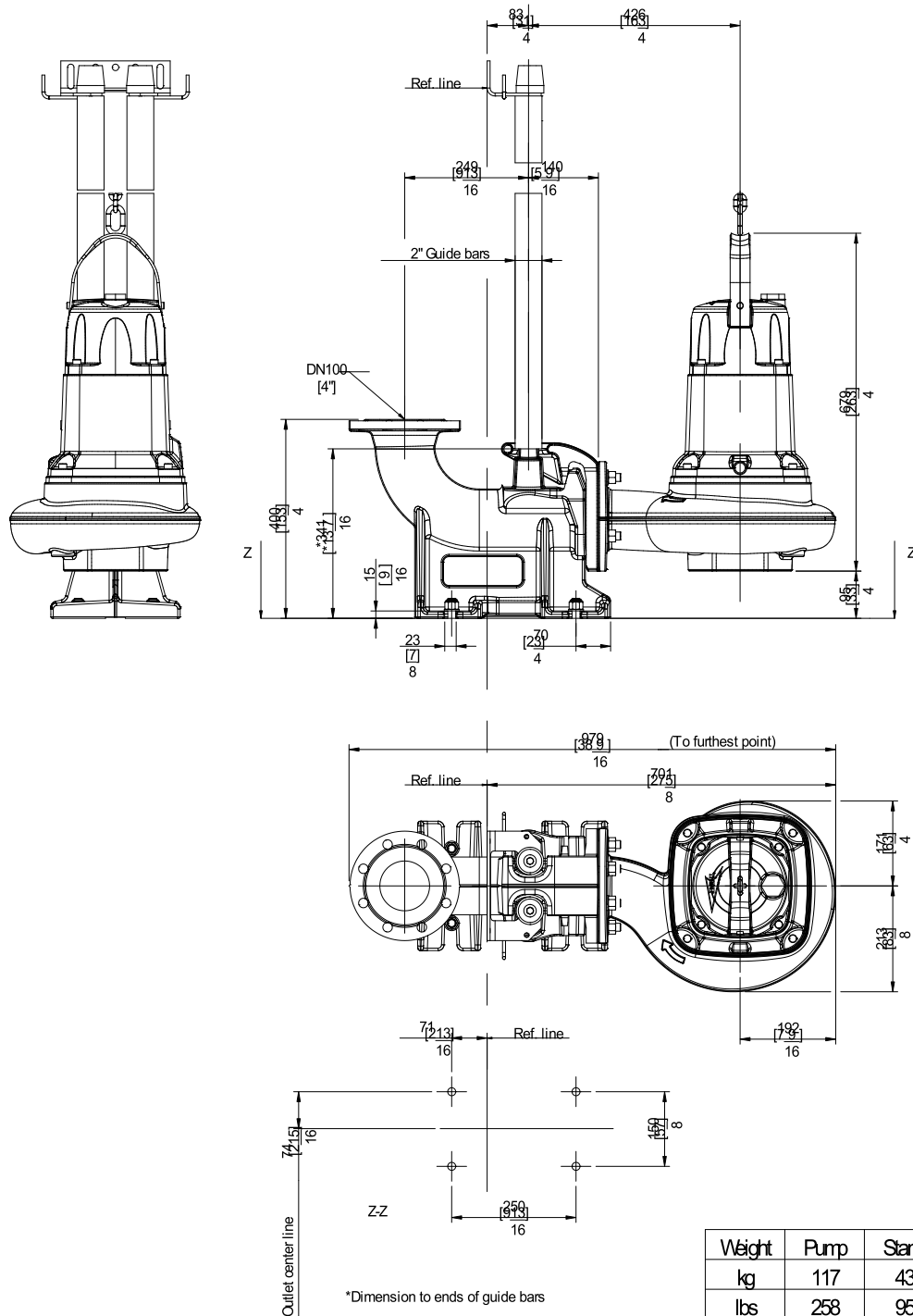
Concertor DP N100-7800 Duty Analysis



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Concertor DP N100-7800

Dimensional drawing



NP6020 MT

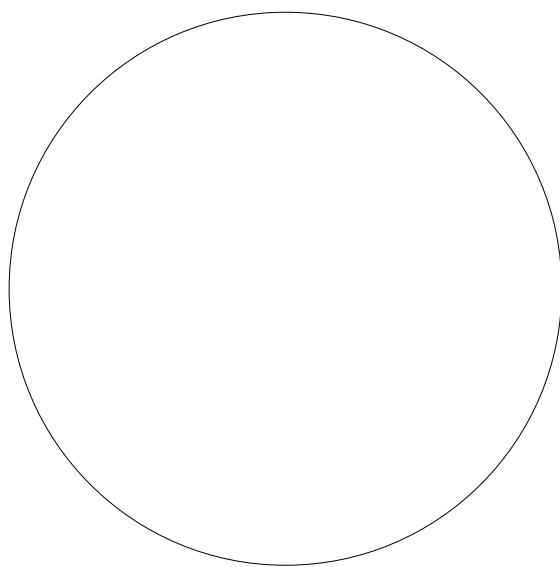
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Concertor DP N100-7800

Life cycle costs (LCC)

Total lifetime	15	Inflation rate (rate of price increases)	2 %
Annual operating time	5600	Interest rate (for investment)	3 %
Energy cost per kWh	0,00 EUR		
Opgenomen vermogen P1			

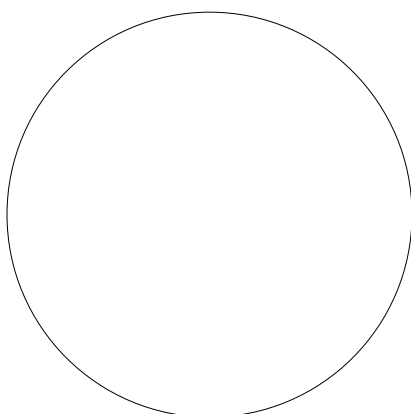
Totale prijs



EUR

0%	0,00 EUR	Energy
0%	0,00 EUR	Investment costs
0%	0,00 EUR	Installation & commissioning
0%	0,00 EUR	Operating cost
0%	0,00 EUR	Maintenance & repair
0%	0,00 EUR	Downtime
0%	0,00 EUR	Environmental
0%	0,00 EUR	Decommissioning

First year costs



EUR

0%	0,00 EUR	Energy (1st year)
0%	0,00 EUR	Investment costs (1st year)
0%	0,00 EUR	Installation & commissioning (1st year)
0%	0,00 EUR	Operating cost (1st year)
0%	0,00 EUR	Maintenance & repair (1st year)
0%	0,00 EUR	Downtime (1st year)
0%	0,00 EUR	Environmental (1st year)
0%	0,00 EUR	Decommissioning (1st year)

Disclaimer: The calculations and the results are based on user input values and general assumptions and provide only estimated costs for the input data. Xylem inc can therefore not guarantee that the estimated savings will actually occur.

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