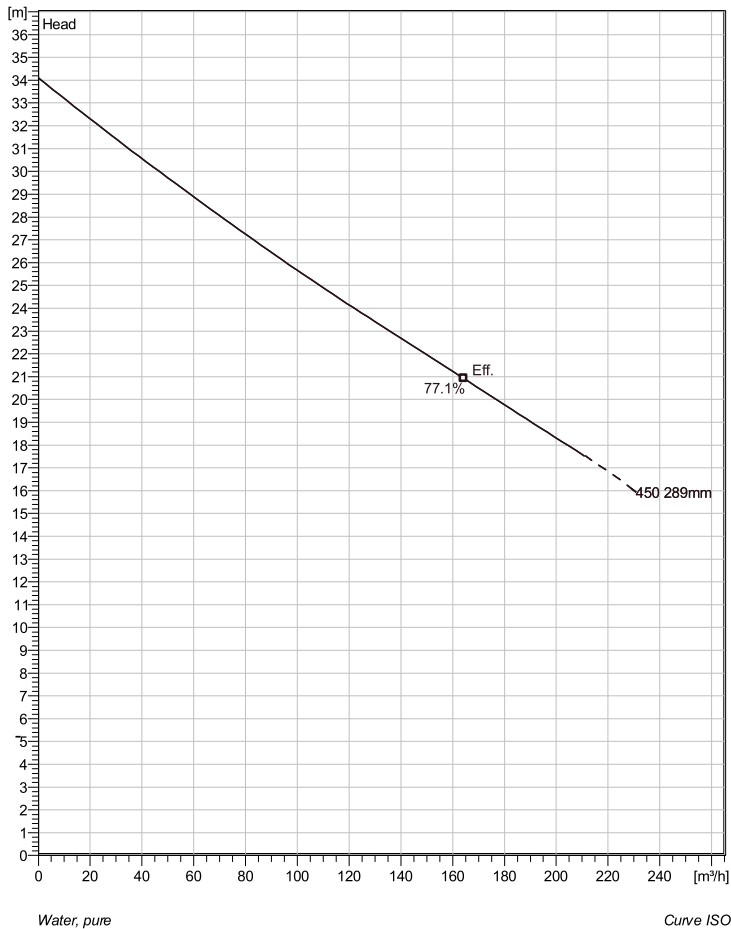


NP 3153 HT 3~ 450 Technical specification



Note: Picture might not correspond to the current configuration.

General

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

Impeller

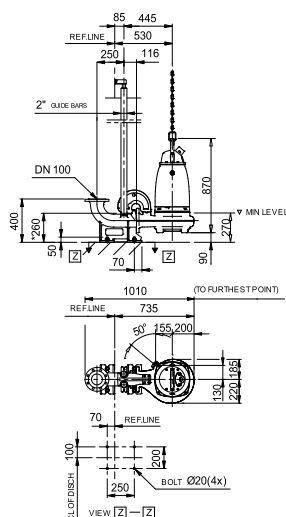
Impeller material	Grey cast iron
Discharge Flange Diameter	100 mm
Suction Flange Diameter	100 mm
Impeller diameter	289 mm
Number of blades	2

Motor

Motor #	N3153.091 21-18-4AA-W 13.5KW
	EN
Stator variant	1
Frequency	50 Hz
Rated voltage	400 V
Number of poles	4
Phases	3~
Rated power	13.5 kW
Rated current	27 A
Starting current	145 A
Rated speed	1455 rpm
Power factor	
1/1 Load	0.82
3/4 Load	0.77
1/2 Load	0.66
Motor efficiency	
1/1 Load	86.5 %
3/4 Load	88.0 %
1/2 Load	88.5 %

Configuration

Installation: P - Semi permanent, Wet



* DIMENSION TO ENDS OF GUIDE BARS

Weight

Dimensional dwg
NP-PP-3153HT

Project	Project ID	Created by	Created on 2017-04-28	Last update
---------	------------	------------	--------------------------	-------------

NP 3153 HT 3~ 450

Performance curve

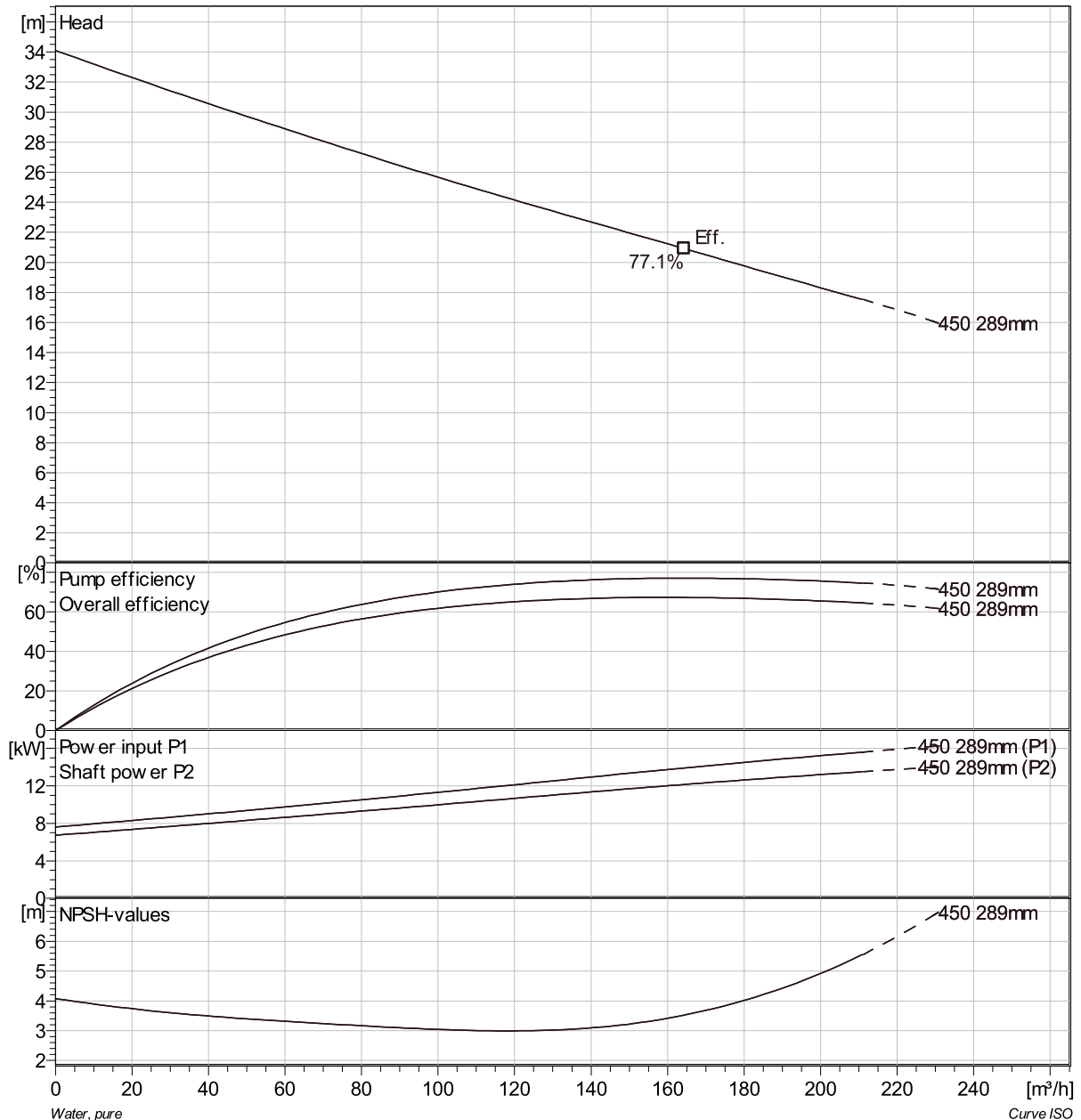
Pump

Discharge Flange Diameter 100 mm
 Suction Flange Diameter 100 mm
 Impeller diameter 289 mm
 Number of blades 2

Motor

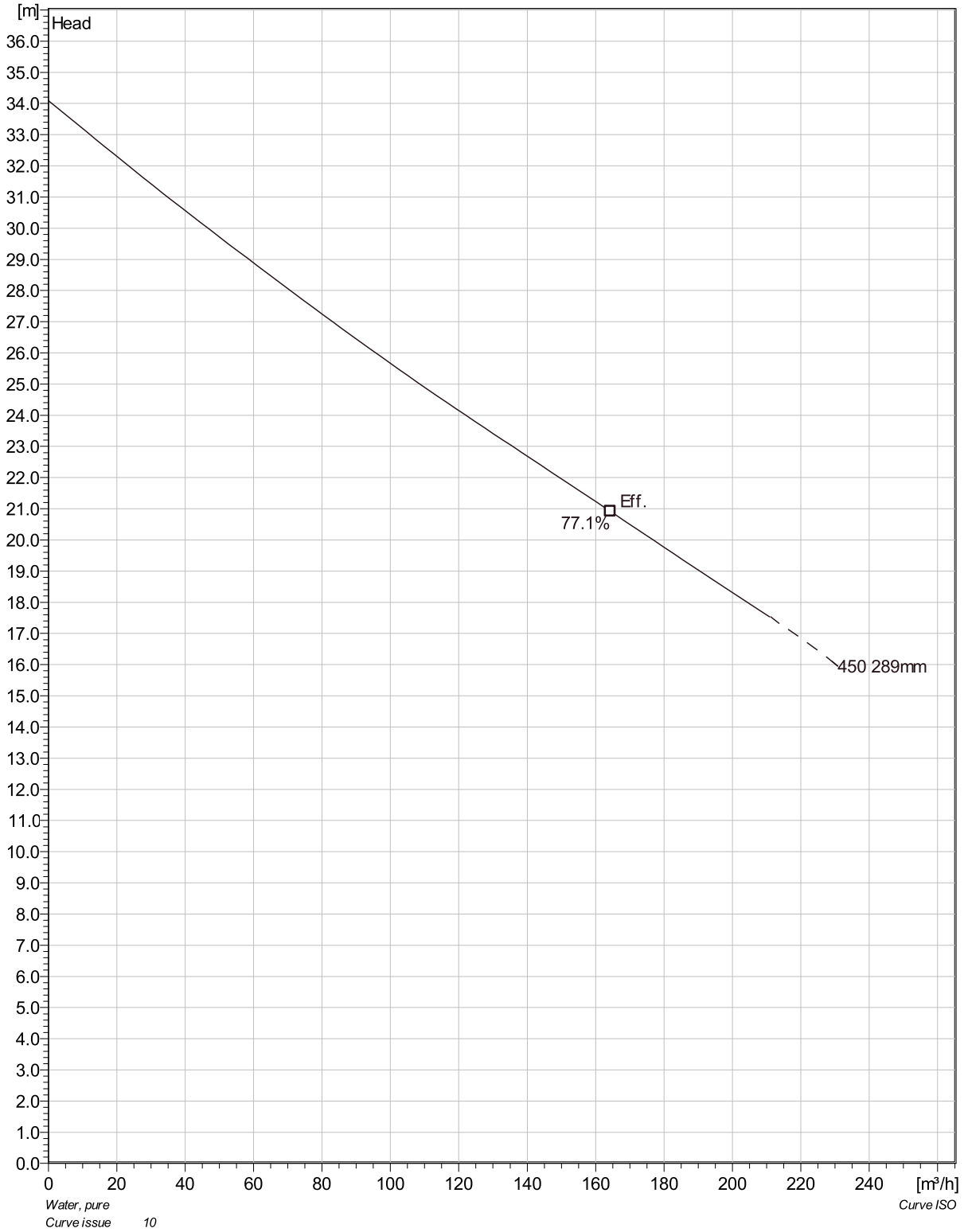
Motor # N3153.091 21-18-4AA-W 13.5KW
 Stator variant 1
 Frequency 50 Hz
 Rated voltage 400 V
 Number of poles 4
 Phases 3~
 Rated power 13.5 kW
 Rated current 27 A
 Starting current 145 A
 Rated speed 1455 rpm

Power factor
 1/1 Load 0.82
 3/4 Load 0.77
 1/2 Load 0.66
 Motor efficiency
 1/1 Load 86.5 %
 3/4 Load 88.0 %
 1/2 Load 88.5 %



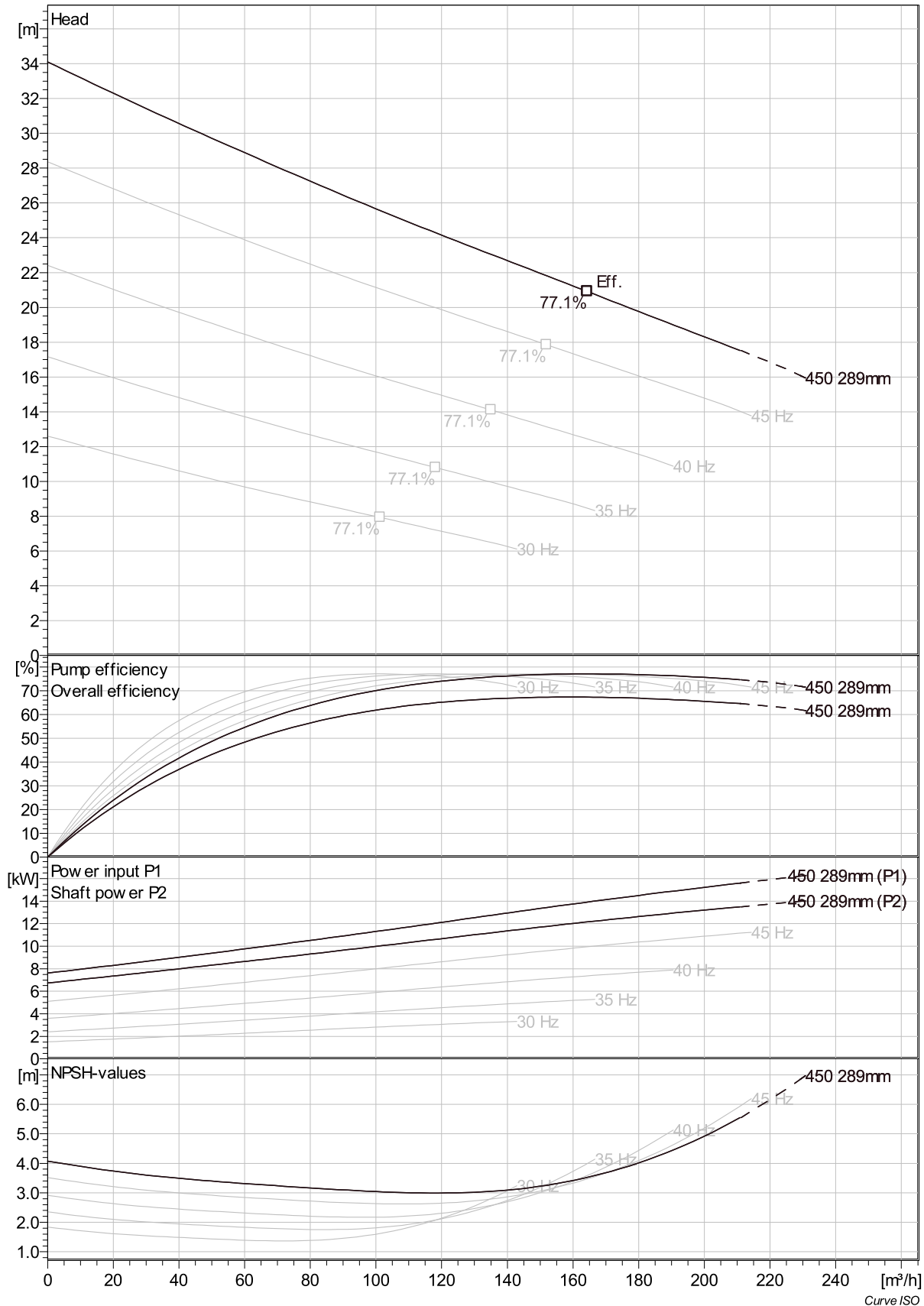
Project	Project ID	Created by	Created on 2017-04-28	Last update
---------	------------	------------	--------------------------	-------------

NP 3153 HT 3~ 450 Duty Analysis



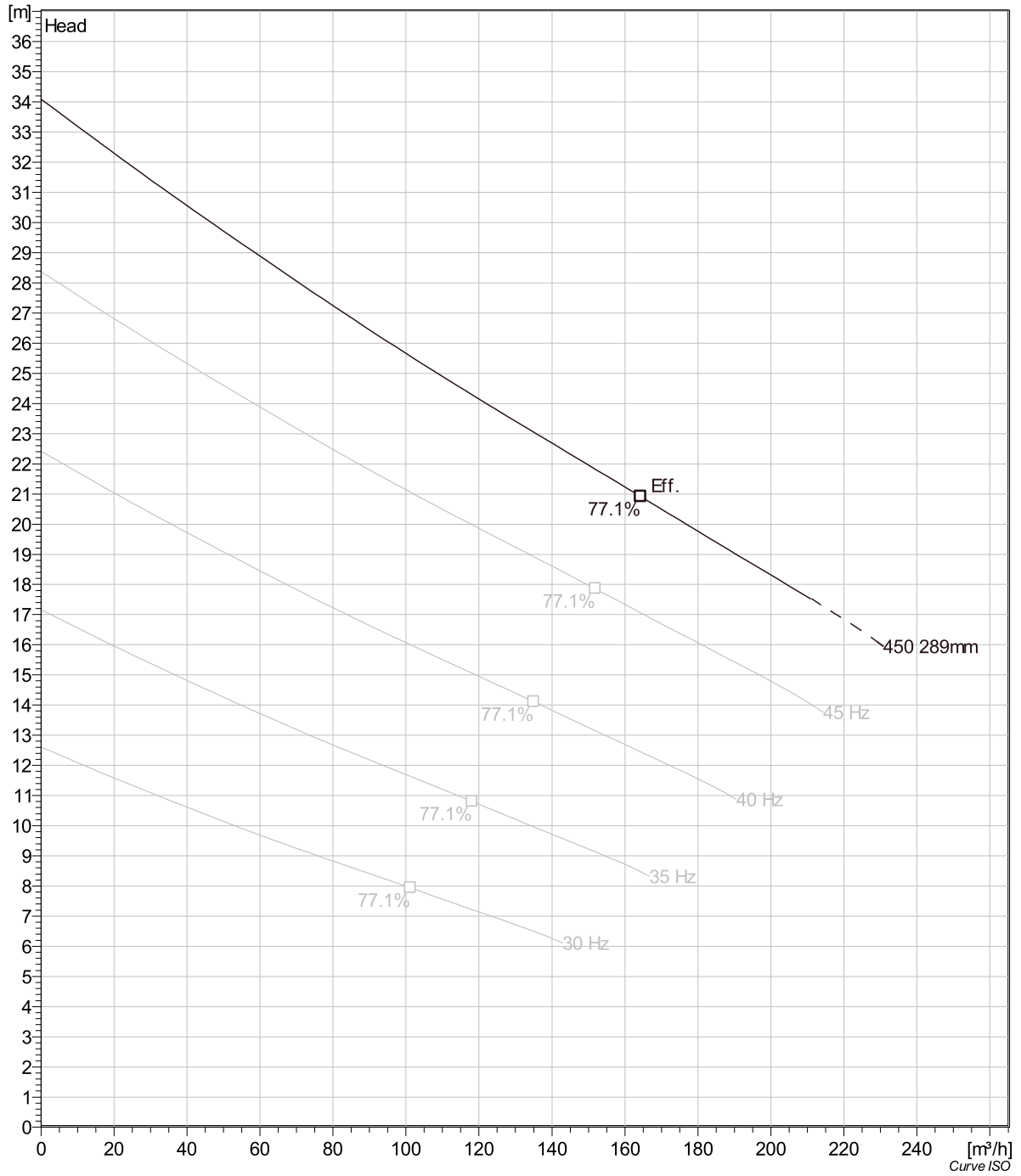
Project	Project ID	Created by	Created on	Last update
			2017-04-28	

NP 3153 HT 3~ 450 VFD Curve

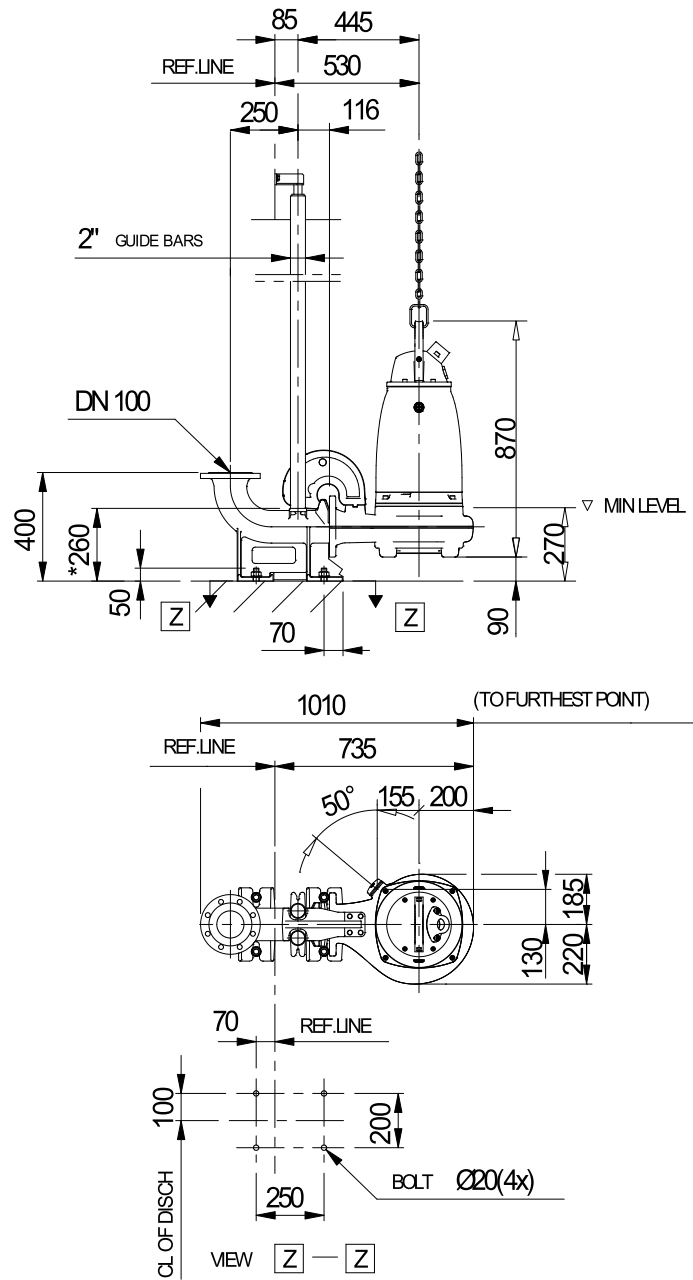


Project	Project ID	Created by	Created on	Last update
			2017-04-28	

NP 3153 HT 3~ 450 VFD Analysis



Project	Project ID	Created by	Created on	Last update
			2017-04-28	



* DIMENSION TO ENDS OF GUIDE BARS

Weight

Dimensional dwg
NP,FP3153HT

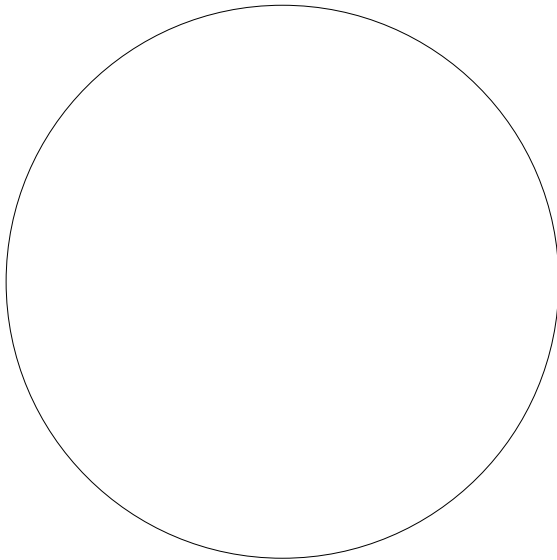
Project	Project ID	Created by	Created on	Last update
			2017-04-28	

NP 3153 HT 3~ 450

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 GBP		
Power input P1			

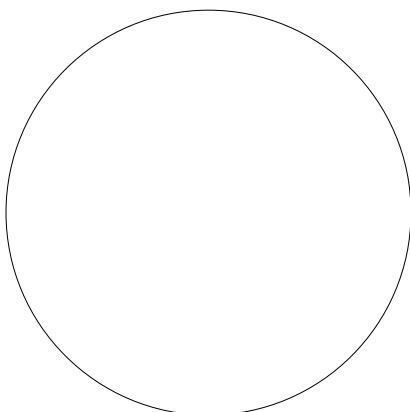
Total costs



- 0% 0.00 GBP Energy
- 0% 0.00 GBP Investment costs
- 0% 0.00 GBP Installation & commissioning
- 0% 0.00 GBP Operating cost
- 0% 0.00 GBP Maintenance & repair
- 0% 0.00 GBP Downtime
- 0% 0.00 GBP Environmental
- 0% 0.00 GBP Decommissioning

GBP

First year costs



- 0% 0.00 GBP Energy (1st year)
- 0% 0.00 GBP Investment costs (1st year)
- 0% 0.00 GBP Installation & commissioning (1st year)
- 0% 0.00 GBP Operating cost (1st year)
- 0% 0.00 GBP Maintenance & repair (1st year)
- 0% 0.00 GBP Downtime (1st year)
- 0% 0.00 GBP Environmental (1st year)
- 0% 0.00 GBP Decommissioning (1st year)

GBP

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.

Project	Project ID	Created by	Created on 2017-04-28	Last update
---------	------------	------------	---------------------------------	-------------