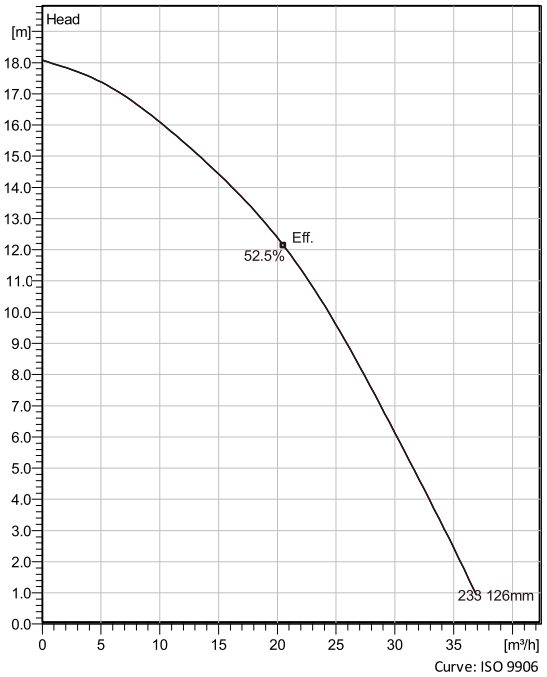
8101.160 Minex 1~

Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids
– up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.

Technical specification

Curves according to: Water [100%], 4 °C, 999.9 kg/m³, 1.569 mm²/s



Curve: ISO 9906

Configuration

Motor number
K8101.160 13-10-2BB-W 1.4KW

Installation type
S - Portable Semi permanent, Wet

Impeller diameter
126 mm

Discharge diameter
50 mm

Pump information

Impeller diameter
126 mm

Discharge diameter
50 mm

Inlet diameter
50 mm

Maximum operating speed
2830 rpm

Number of blades
4

Materials

Impeller
Hard-Iron

Project		**Created by**	**Last update**
Block	0	**Created on**	5/13/2020

8101.160 Minex 1~

Technical specification

Motor - General

Motor number K8101.160 13-10-2BB-W 1.4KW	**Phases** 1~	**Rated speed** 2830 rpm	**Rated power** 1.4 kW
ATEX approved No	**Number of poles** 2	**Rated current** 8 A	**Stator variant** 1
Frequency 50 Hz	**Rated voltage** 220 V	**Insulation class** F	**Type of Duty** S1

Motor - Technical

Power factor - 1/1 Load 0.99	**Motor efficiency - 1/1 Load** 80.2 %	**Total moment of inertia** 0.0018 kg m²	**Starts per hour max.** 15
Power factor - 3/4 Load 0.99	**Motor efficiency - 3/4 Load** 80.3 %	**Starting current, direct starting** 31 A	
Power factor - 1/2 Load 1.00	**Motor efficiency - 1/2 Load** 75.8 %	**Starting current, star-delta** 10.3 A	

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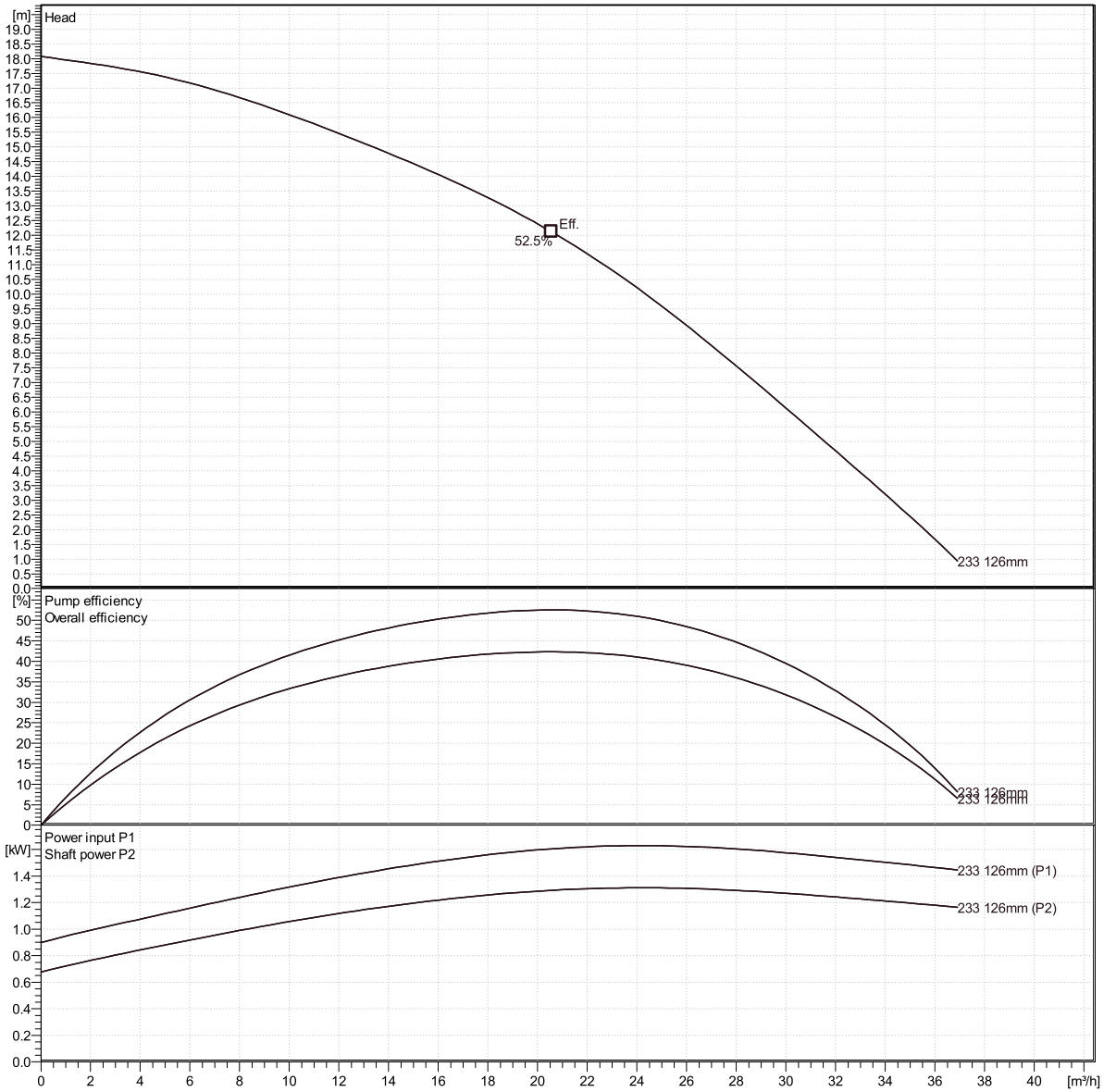
8101.160 Minex 1~

Performance curve

Duty point

Flow	Head

Curves according to: Water [100%],4 °C,999.9 kg/m³,1.569 mm²/s



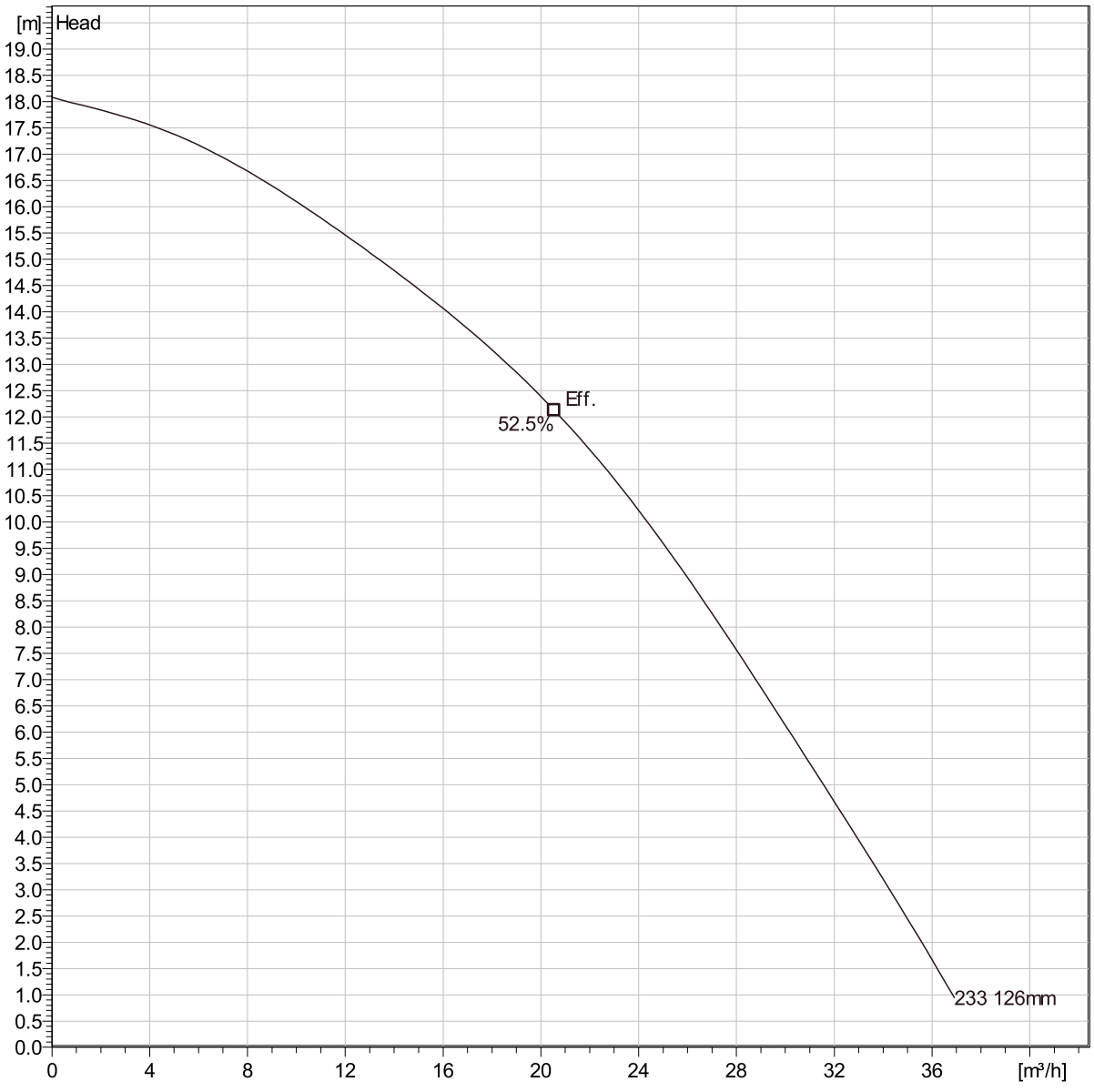
Curve: ISO 9906

Project		Created by		Last update
Block	0	Created on	5/13/2020	

8101.160 Minex 1~

Duty Analysis

Curves according to: Water [100%],4 °C,999.9 kg/m³,1.569 mm²/s



Curve: ISO 9906

Operating characteristics

Pumps/Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHr

Project		Created by		Last update
Block	0	Created on	5/13/2020	