

## 8102.172 Minette 3~

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

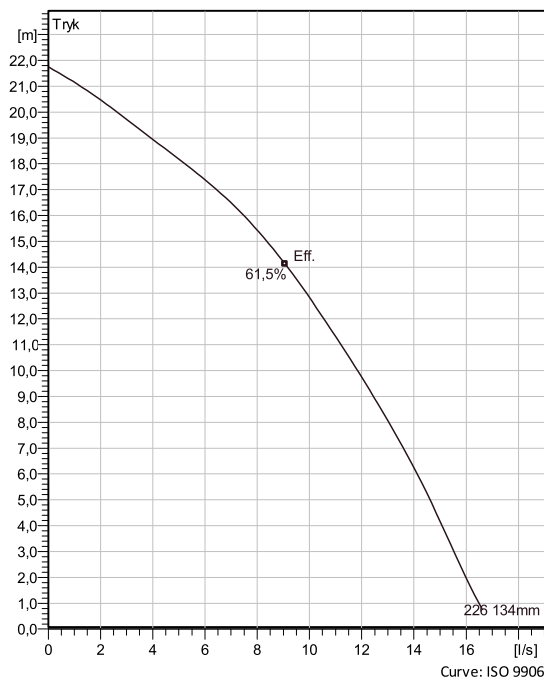
– up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.



### Teknisk specifikation



Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s



### Konfiguration

**Motor number**  
B8102.172 13-10-2BB-W  
2.2KW

**Impeller diameter**  
134 mm

**Installation**  
S - Transportabel semi  
permanent, dykket

**Discharge diameter**  
75 mm

### Pump information

**Impeller diameter**  
134 mm

**Discharge diameter**  
75 mm

**Inlet diameter**

**Maximum operating speed**  
2765 1/min

**Number of blades**  
5

### Materials

**Pumpehjul**  
Hard-Iron™

**Projekt** Xylect-20776498  
**Blok**

**Udført af** Michael Jersborg **Opdateret** 6/27/2023  
**Oprettet** 6/27/2023

# 8102.172 Minette 3~

## Teknisk specifikation



### Motor - General

<b>Motor number</b> B8102.172 13-10-2BB-W 2.2KW	<b>Faser</b> 3~	<b>Rated speed</b> 2765 1/min	<b>Mærkeeffekt</b> 2,2 kW
<b>Godkendelse</b> No	<b>Antal poler</b> 2	<b>Mærkestrøm</b> 4,5 A	<b>Stator variant</b> 18
<b>Frekvens</b> 50 Hz	<b>Mærkespænding</b> 400 V	<b>Isoleringsklasse</b> F	<b>Driftstype</b> S1

### Motor - Technical

<b>Motor cos phi - 1/1 Load</b> 0,88	<b>Motor efficiency - 1/1 Load</b> 79,5 %	<b>Total inertimoment</b> 0,00433 kg m <sup>2</sup>	<b>Max. starter pr. time</b> 15
<b>Motor cos phi - 3/4 Load</b> 0,83	<b>Motor efficiency - 3/4 Load</b> 82,0 %	<b>Startstrøm, direkte start</b> 25 A	
<b>Motor cos phi - 1/2 Load</b> 0,72	<b>Motor efficiency - 1/2 Load</b> 82,3 %	<b>Startstrøm, stjerne-trekant</b> 8,34 A	

**Projekt** Xylect-20776498  
**Blok**

**Udført af** Michael Jersborg  
**Oprettet** 6/27/2023  
**Opdateret** 6/27/2023

# 8102.172 Minette 3~

## Performance curve

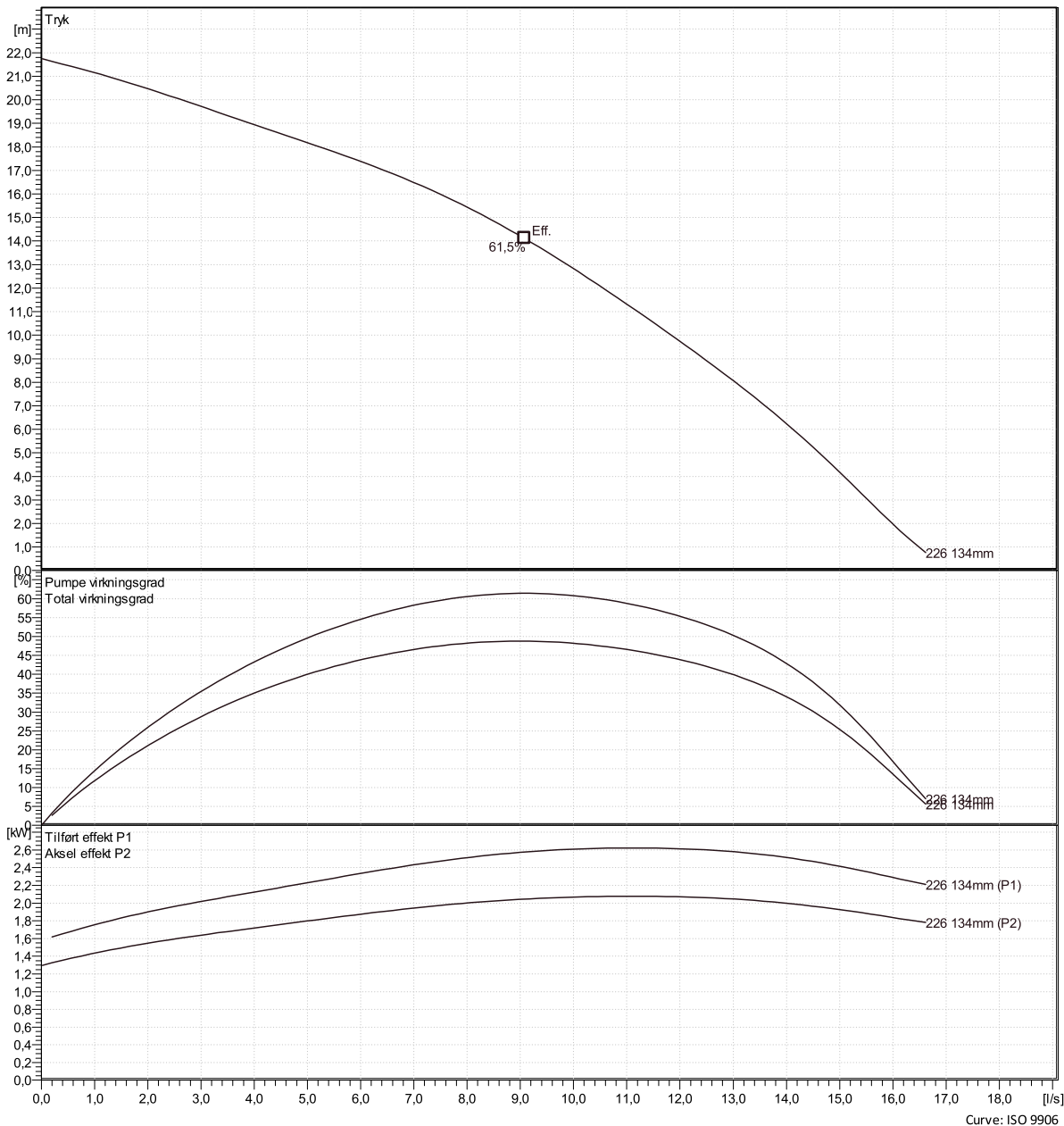


### Duty point

Flow

Tryk

Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s



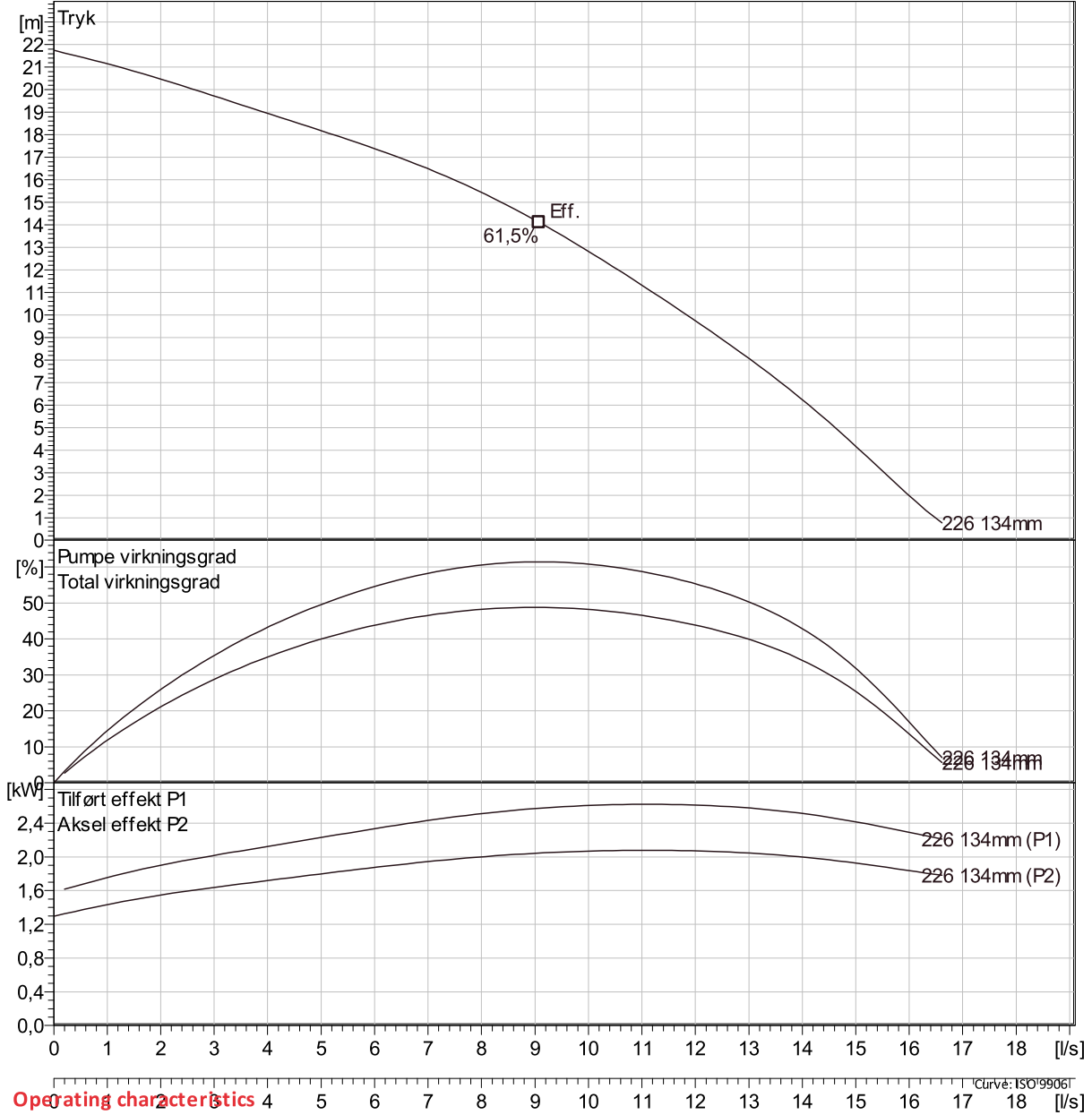
Projekt	Xylect-20776498	Udført af	Michael Jersborg	Opdateret	6/27/2023
Blok		Oprettet	6/27/2023		

# 8102.172 Minette 3~

## Duty Analysis



Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s

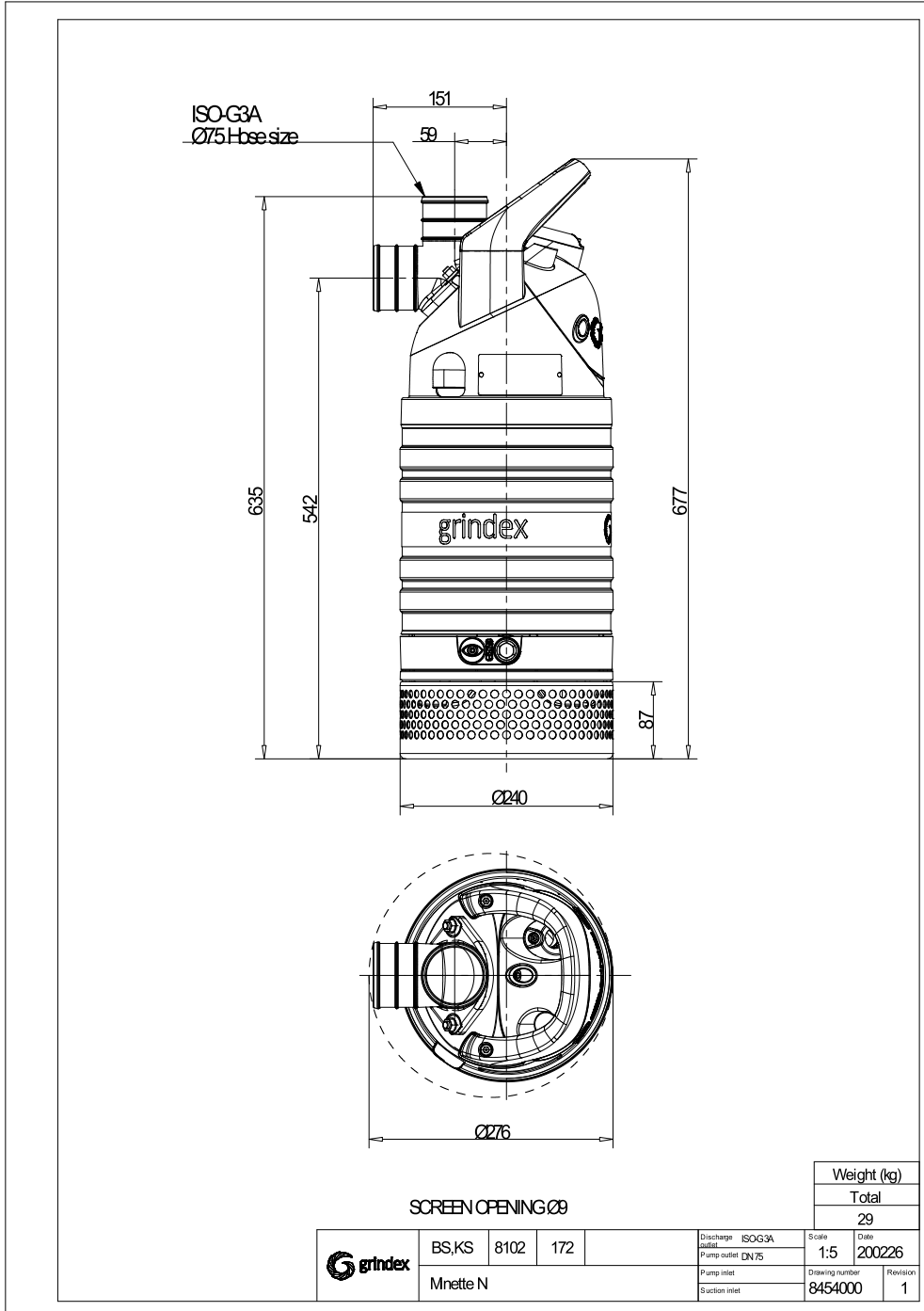


Pumps/Systems	Flow	Tryk	Akselkraft	Flow	Tryk	Akselkraft	Hydr.eff.	Specifik energi	NPSHr
---------------	------	------	------------	------	------	------------	-----------	-----------------	-------

Projekt	Xylect-20776498	Udført af	Michael Jersborg	Opdateret	6/27/2023
Blok		Oprettet	6/27/2023		

# 8102.172 Minette 3~

Dimensions tegning



<b>Projekt</b>	Xylect-20776498	<b>Udført af</b>	Michael Jersborg	<b>Opdateret</b>	6/27/2023
<b>Blok</b>		<b>Oprettet</b>	6/27/2023		