

8103.181 Minor N 3~

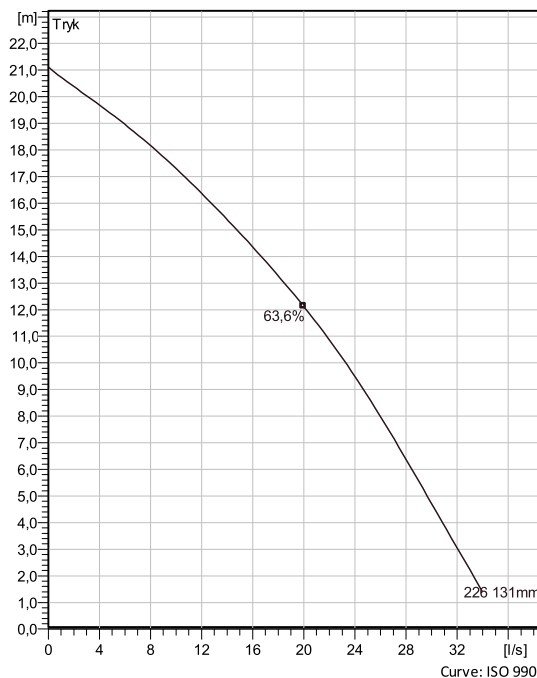
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids

– 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/dm³, 1,569 mm²/s



Konfiguration

Motor number
B8103.181 15-12-2BB-W
3.7KW

Impeller diameter
131 mm

Installation
S - Transportabel semi
permanent, dykket

Discharge diameter
100 mm

Pump information

Impeller diameter
131 mm

Discharge diameter
100 mm

Inlet diameter

Maximum operating speed
2885 1/min

Number of blades
2

Materials

Pumpehjul
Hard-Iron™

Stator housing material
Aluminium

Projekt Xylect-20774040
Blok

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

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Teknisk specifikation



Motor - General

Motor number B8103.181 15-12-2BB-W 3.7KW	Faser 3~	Rated speed 2885 1/min	Mærkeeffekt 3,7 kW
Godkendelse No	Antal poler 2	Mærkestrøm 7,3 A	Stator variant 1
Frekvens 50 Hz	Mærkespænding 400 V	Isoleringsklasse H	Driftstype S1

Motor - Technical

Motor cos phi - 1/1 Load 0,88	Motor efficiency - 1/1 Load 83,7 %	Total inertimoment 0,0097 kg m ²	Max. starter pr. time 30
Motor cos phi - 3/4 Load 0,82	Motor efficiency - 3/4 Load 85,2 %	Startstrøm, direkte start 49 A	
Motor cos phi - 1/2 Load 0,70	Motor efficiency - 1/2 Load 84,8 %	Startstrøm, stjerne-trekant 16,3 A	

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Performance curve

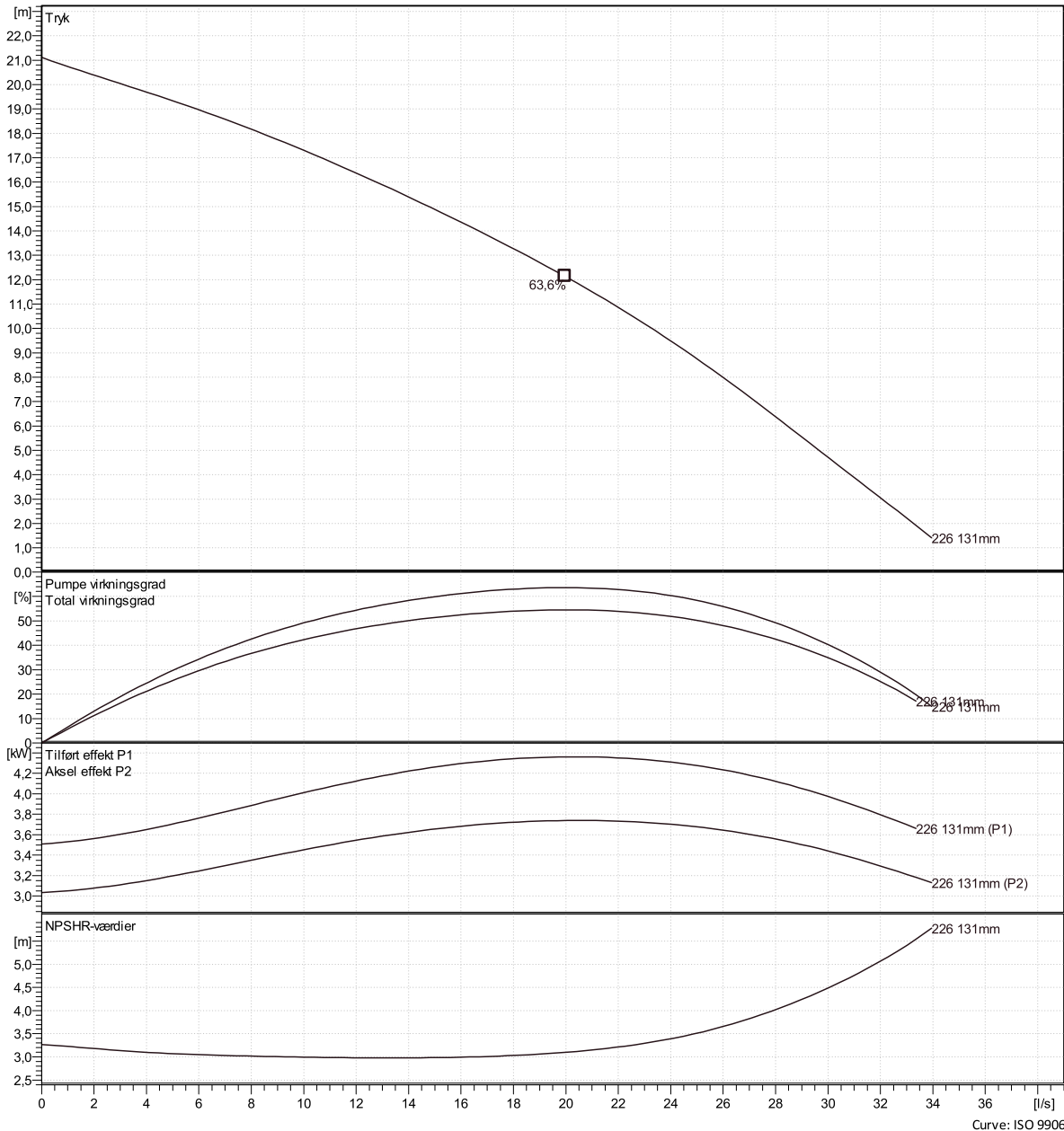


Duty point

Flow

Tryk

Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm³, 1,569 mm²/s



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Blokk

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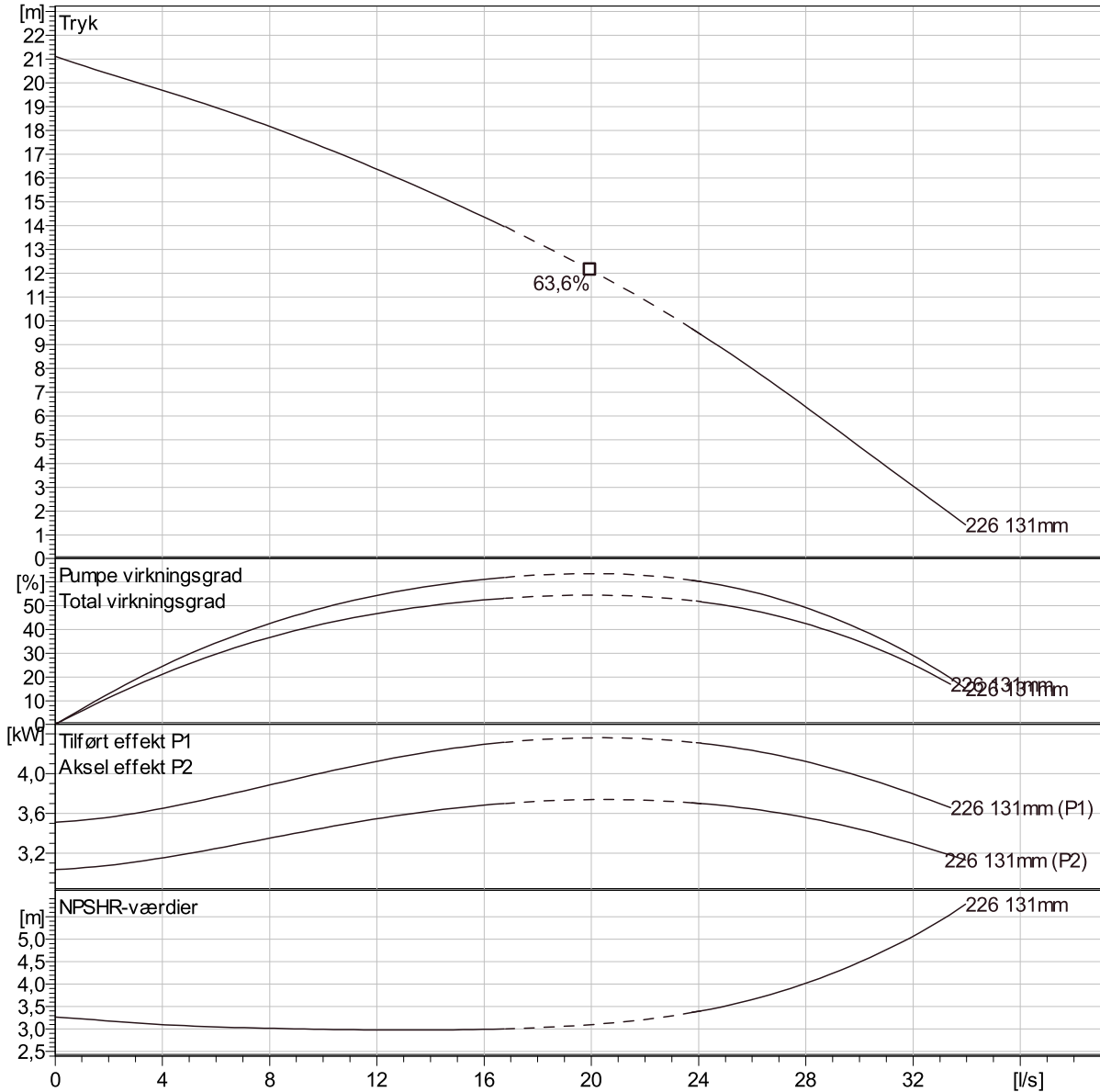
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Duty Analysis



Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm³, 1,569 mm²/s



Curve: ISO 9906

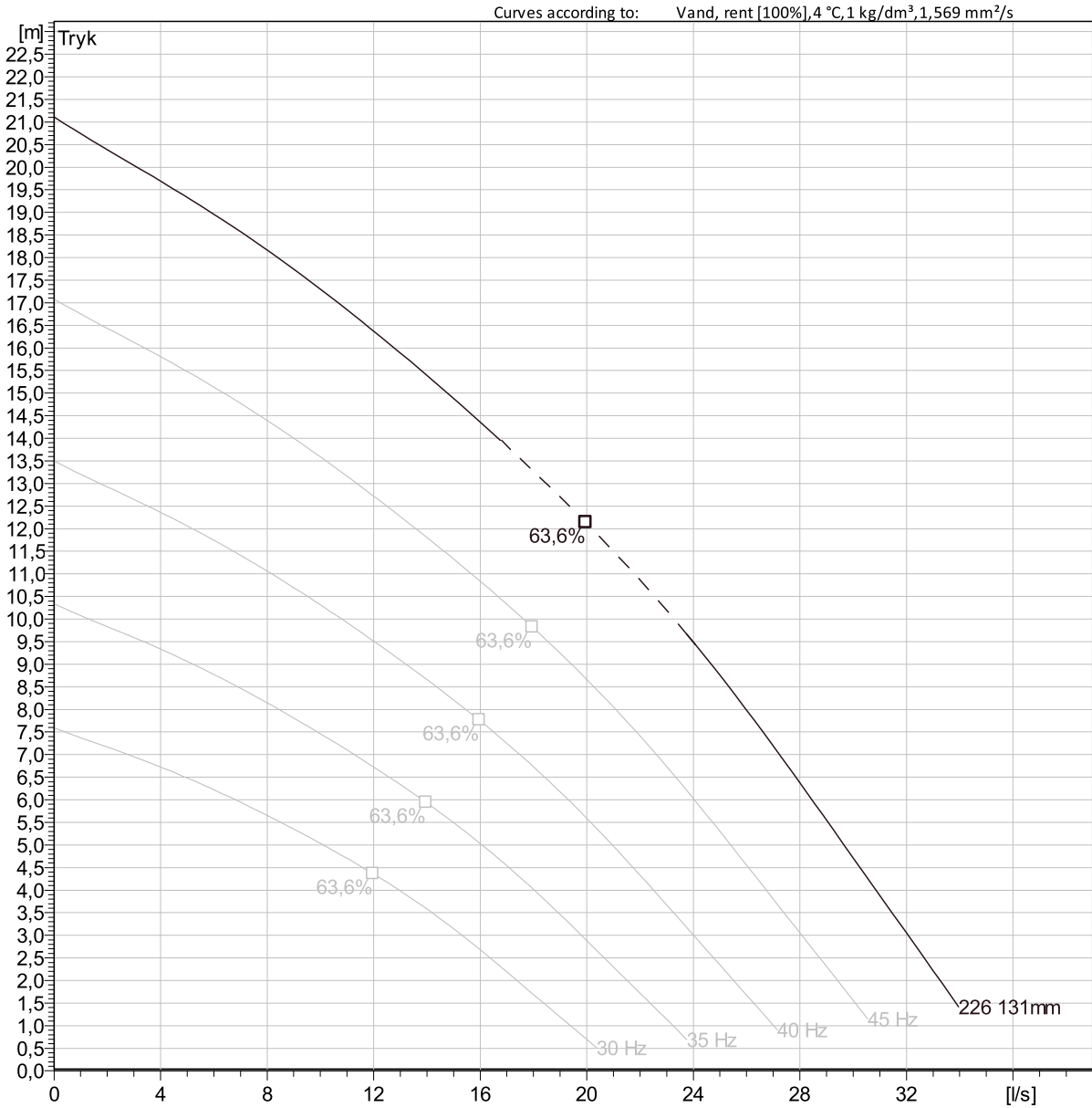
Operating characteristics

Pumps/Systems	Flow	Tryk	Akselkraft	Flow	Tryk	Akselkraft	Hydr.eff.	Specifik energi	NPSHR
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Projekt	Xylect-20774040	Udført af	Michael Jersborg	Opdateret	6/27/2023
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VFD Analysis



Curve: ISO 9906

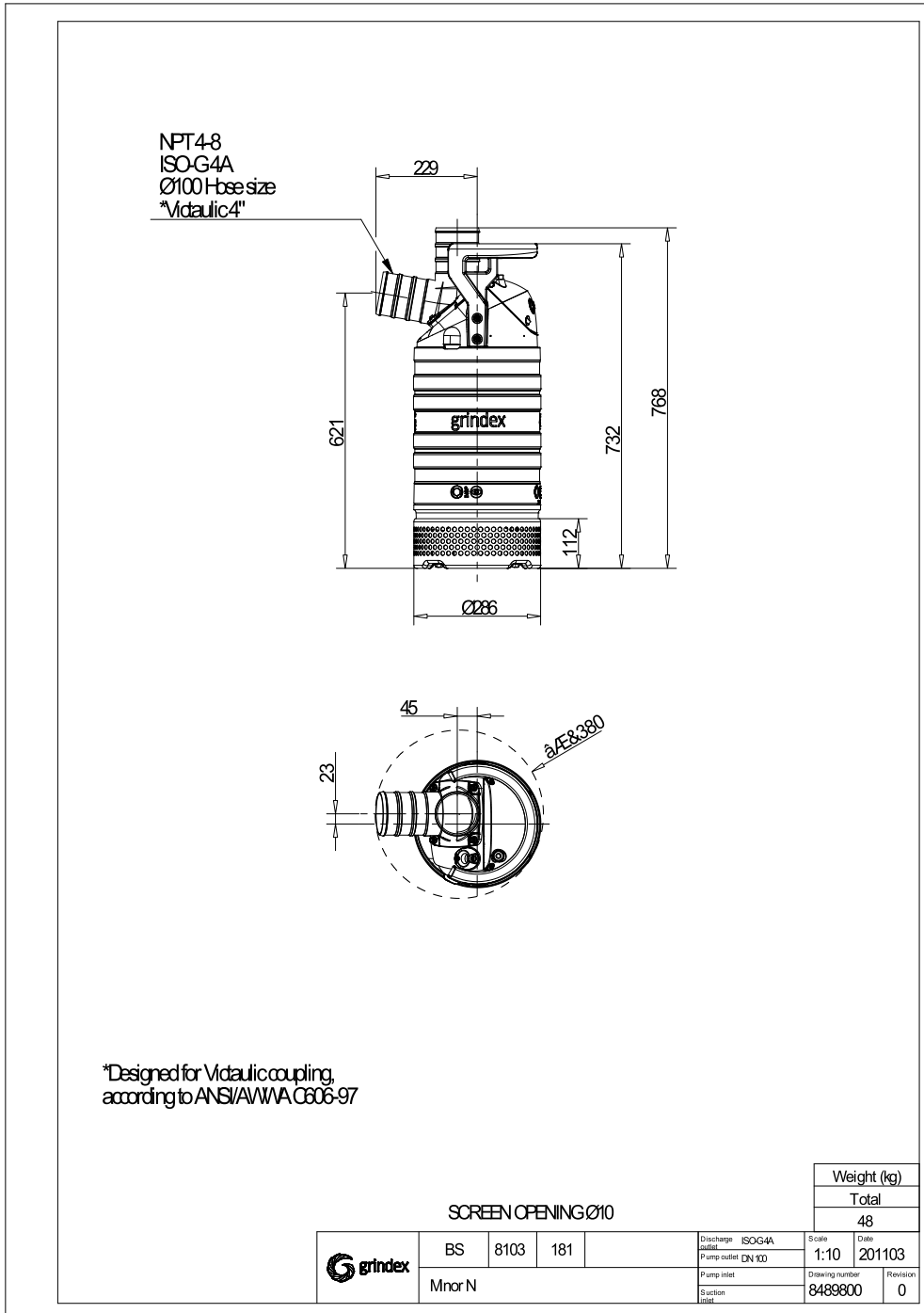
Operating Characteristics

Pumps/System	Frekvens	Flow	Tryk	Akselkraft	Flow	Tryk	Akselkraft	Hydr.eff.	Specifik energi	NPSHr
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Dimensions tegning



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