

8104 Major N 3~

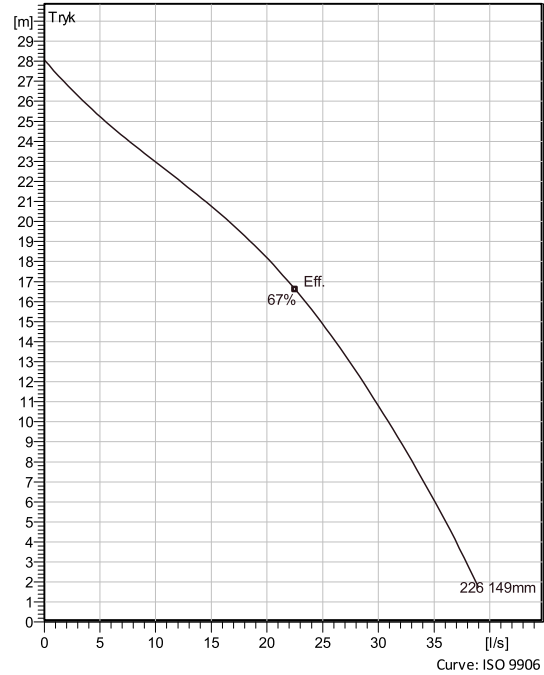
Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids

– 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, 999,9 kg/m³, 1,5692 mm²/s



Konfiguration

Motor number
B8104.181 15-14-2BB-W
5.6KW

Impeller diameter
149 mm

Installation
S - Transportabel semi
permanent, dykket

Discharge diameter
100 mm

Pump information

Impeller diameter
149 mm

Discharge diameter
100 mm

Inlet diameter

Maximum operating speed
2895 rpm

Number of blades
2

Materials

Pumpehjul
Hard-Iron™

Stator housing material
Aluminium

Projekt Xylect-20261810
Blok

Udført af Michael Jersborg **Opdateret** 11/27/2024
Oprettet 11/27/2024

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Teknisk specifikation



Motor - General

Motor number B8104.181 15-14-2BB-W 5.6KW	Faser 3~	Rated speed 2895 rpm	Mærkeeffekt 5,6 kW
Godkendelse No	Antal poler 2	Mærkestrøm 11 A	Stator variant 1
Frekvens 50 Hz	Mærkespænding 400 V	Isoleringsklasse H	Driftstype S1

Motor - Technical

Motor cos phi - 1/1 Load 0,87	Motor efficiency - 1/1 Load 84,2 %	Total inertimoment 0,0131 kg m ²	Max. starter pr. time 30
Motor cos phi - 3/4 Load 0,81	Motor efficiency - 3/4 Load 85,1 %	Startstrøm, direkte start 78 A	
Motor cos phi - 1/2 Load 0,69	Motor efficiency - 1/2 Load 84,1 %	Startstrøm, stjerne-trekant 26 A	

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Performance curve

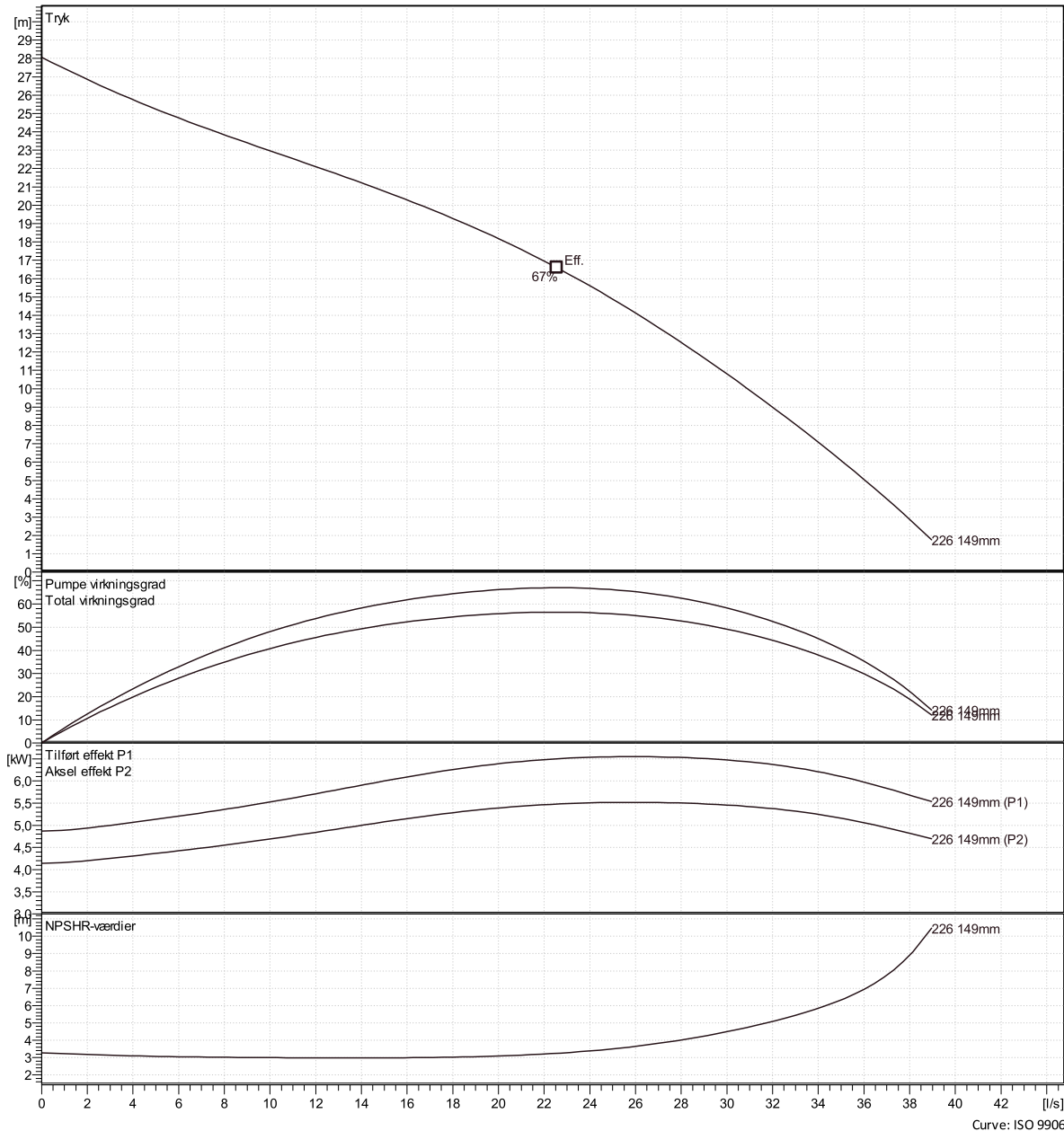


Duty point

Flow

Tryk

Curves according to: Vand, rent [100%], 4 °C, 999,9 kg/m³, 1,5692 mm²/s



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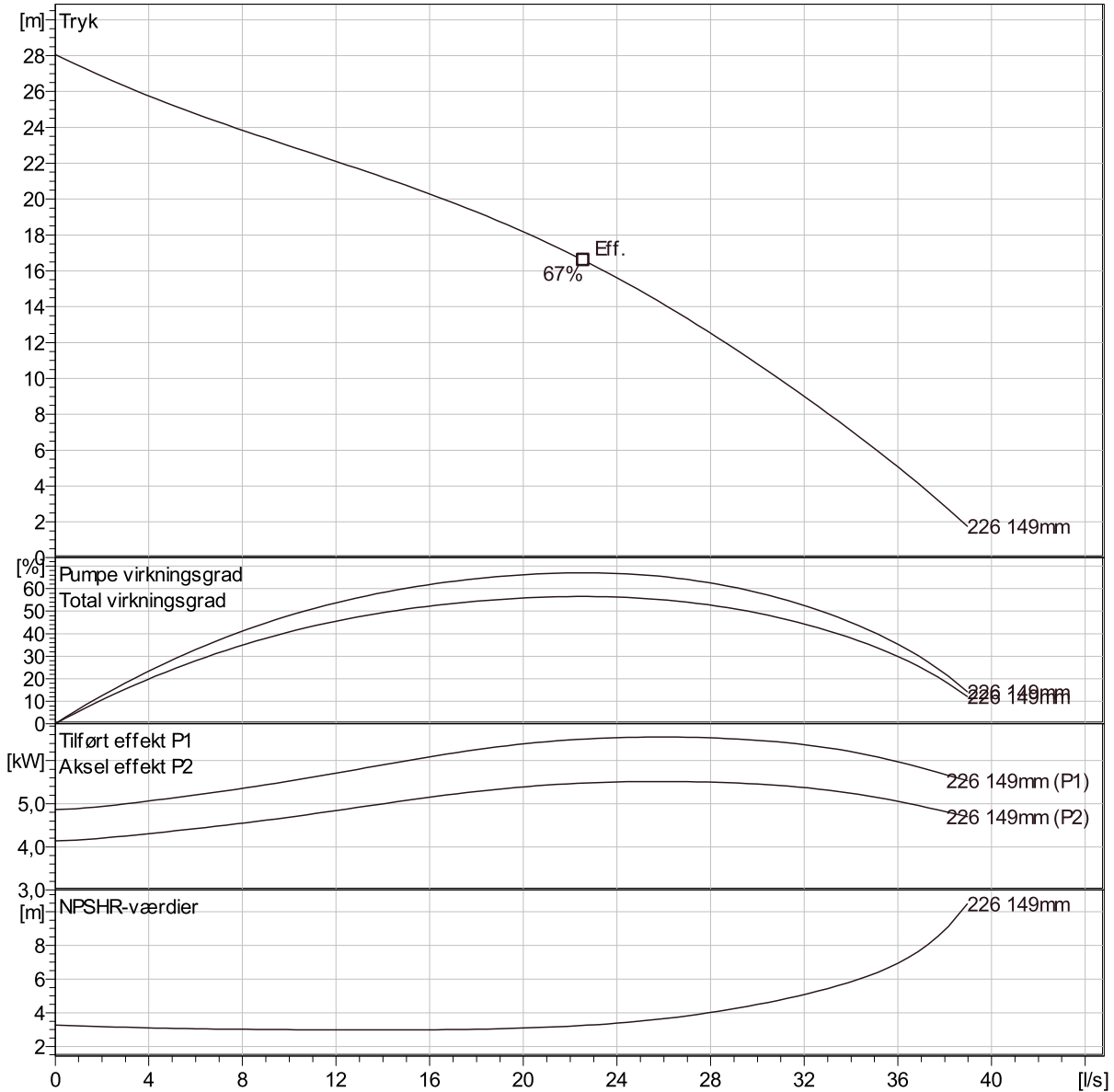
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Duty Analysis



Curves according to: Vand, rent [100%], 4 °C, 999,9 kg/m³, 1,5692 mm²/s



Curve: ISO 9906

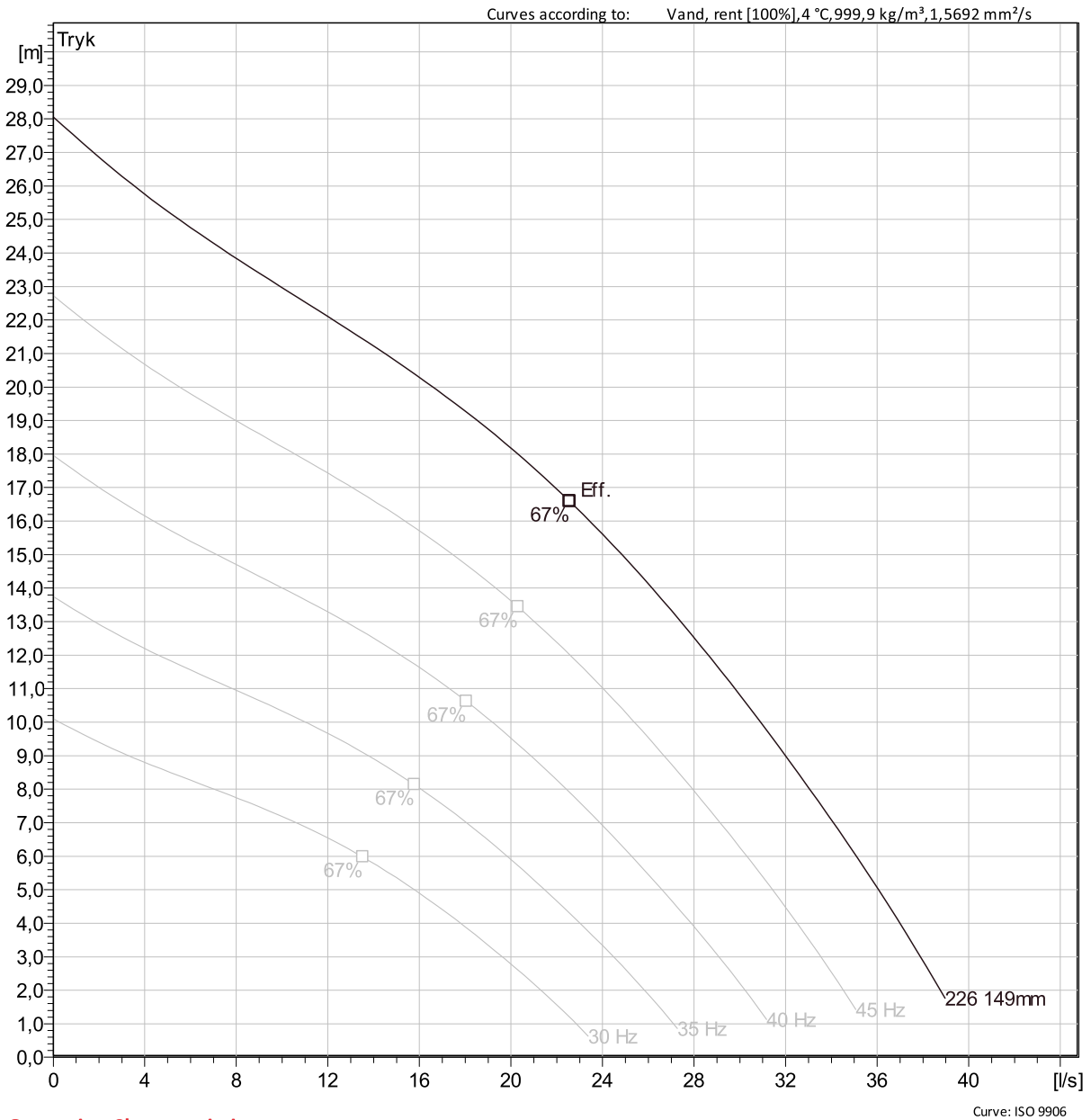
Operating characteristics

Pumps/Systems	Flow	Tryk	Akselkraft	Flow	Tryk	Akselkraft	Hydr.eff.	Specifik energi	NPSHR
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VFD Analysis



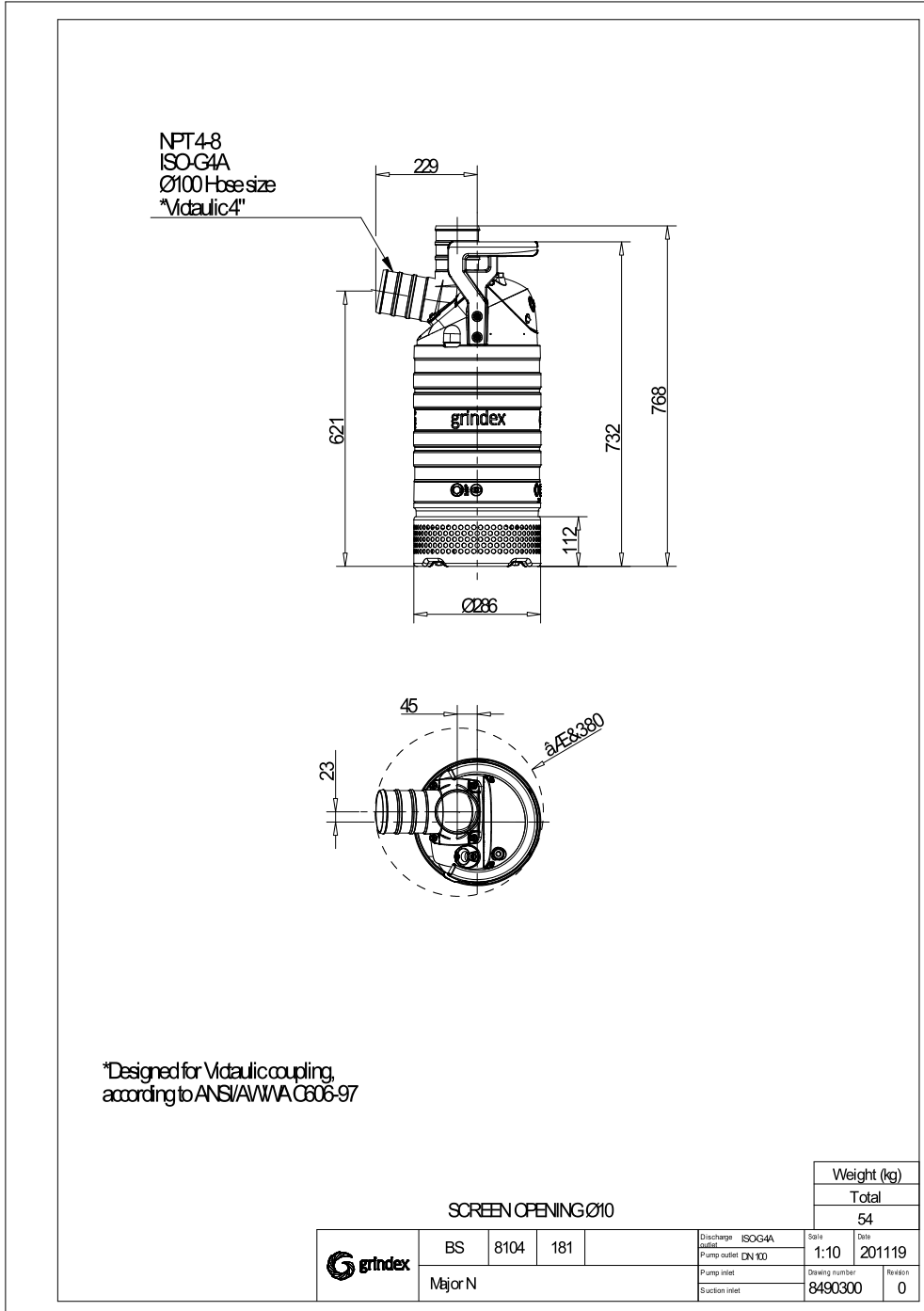
Operating Characteristics

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



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