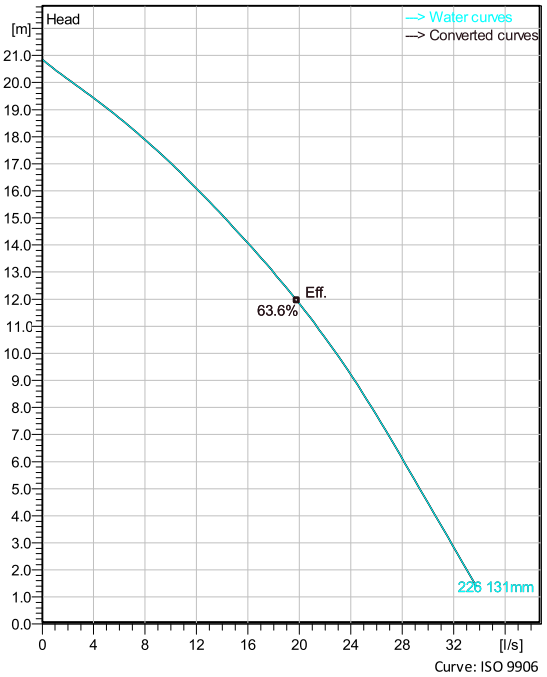
BS 2630 MT 3~ 226

Portable pumps ideal for applications in which the water or liquid contains concentrations of abrasives.

Technical specification

Curves according to: Water, pure ,4 °C,999.9 kg/m³,1.5692 mm²/s



Configuration

Motor number
B2630.181 15-12-2BB-W 3.7KW

Impeller diameter
131 mm

Installation type
S - Portable Semi permanent, Wet

Discharge diameter
100 m

Pump information

Impeller diameter
131 mm

Discharge diameter
100 m

Inlet diameter
90 mm

Maximum operating speed
2885 rpm

Number of blades
2

Max. fluid temperature
40 °C

Materials

Impeller
Hard-Iron

Stator housing material
Aluminium

Project	**Created by**	Joshua Harvey	
Block	**Created on**	2/9/2021	**Last update** 2/9/2021

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Technical specification

Motor - General

Motor number B2630.181 15-12-2BB-W 3.7KW	**Phases** 3~	**Rated speed** 2885 rpm	**Rated power** 3.7 kW
ATEX approved No	**Number of poles** 2	**Rated current** 7.3 A	**Stator variant** 1
Frequency 50 Hz	**Rated voltage** 400 V	**Insulation class** H	**Type of Duty** S1
Version code 181			

Motor - Technical

Power factor - 1/1 Load 0.88	**Motor efficiency - 1/1 Load** 83.7 %	**Total moment of inertia** 0.0097 kg m²	**Starts per hour max.** 30
Power factor - 3/4 Load 0.82	**Motor efficiency - 3/4 Load** 85.2 %	**Starting current, direct starting** 49 A	
Power factor - 1/2 Load 0.70	**Motor efficiency - 1/2 Load** 84.8 %	**Starting current, star-delta** 16.3 A	

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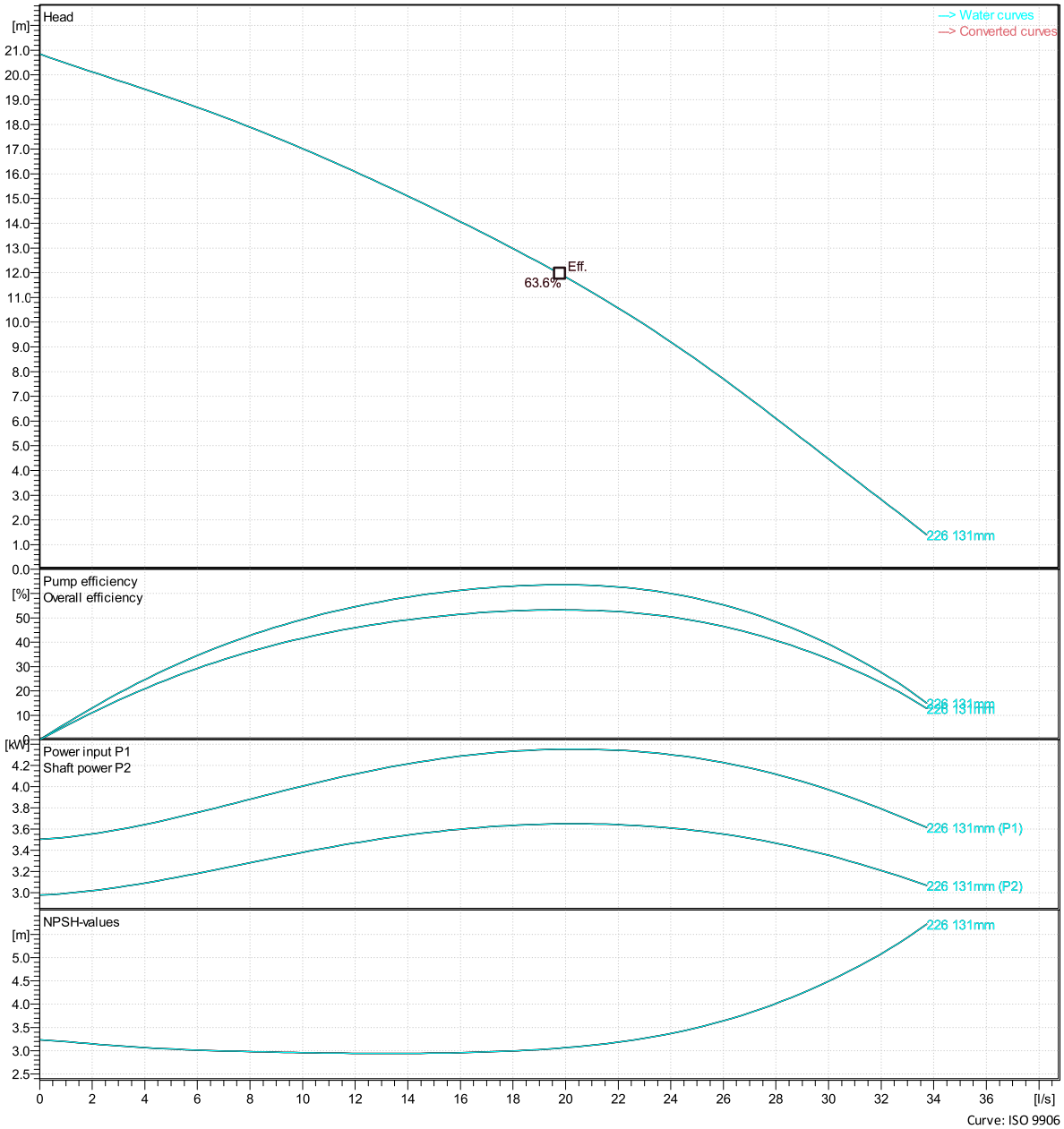
Performance curve

Duty point

Flow	Head

Curves according to: Water, pure 4 °C, 999.9 kg/m³, 1.5692 mm²/s



Curve: ISO 9906

Project		**Created by**	Joshua Harvey		
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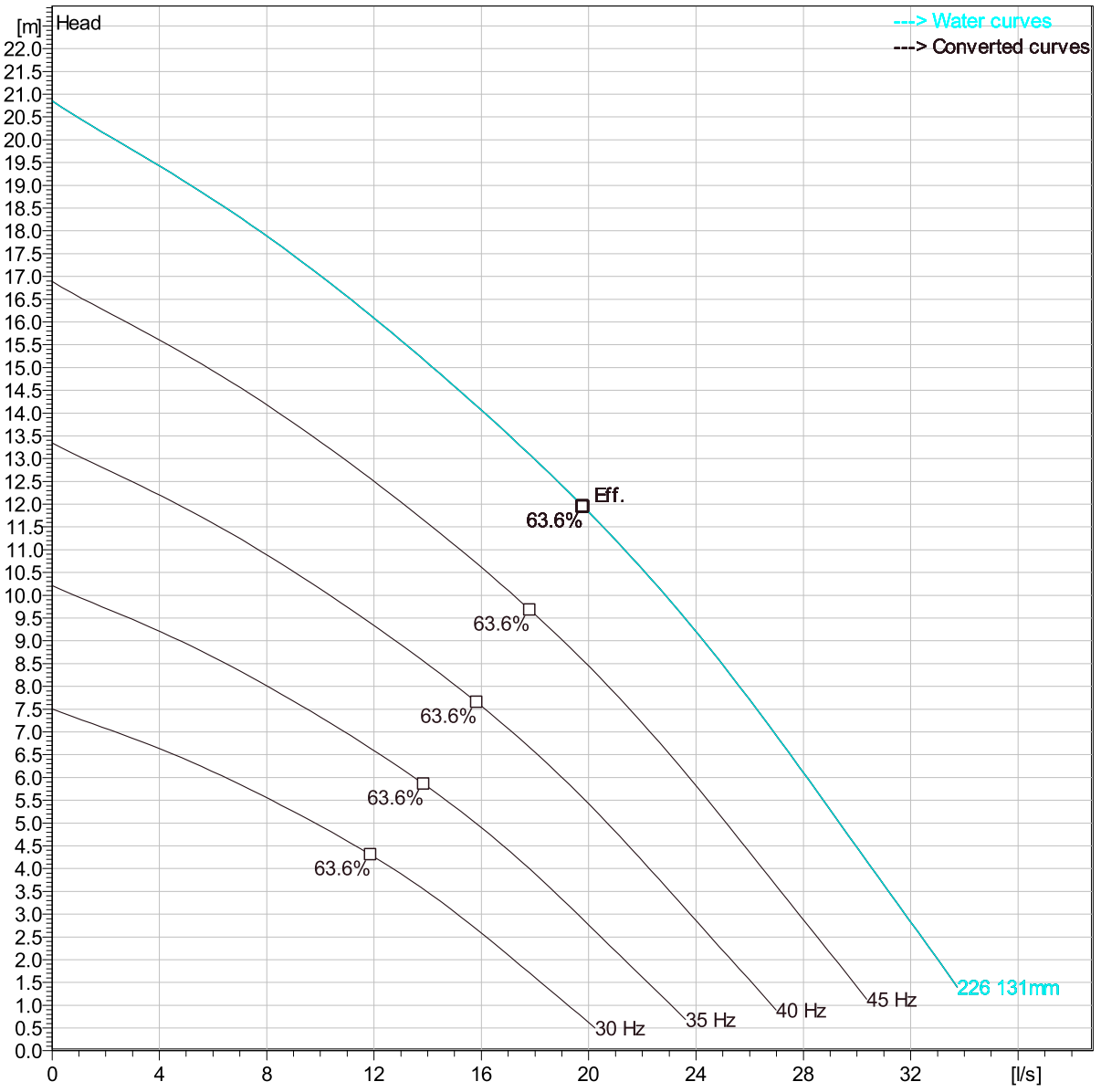
Duty Analysis

Curves according to: Water, pure ,4 °C,999.9 kg/m³,1.5692 mm²/s



Operating characteristics

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

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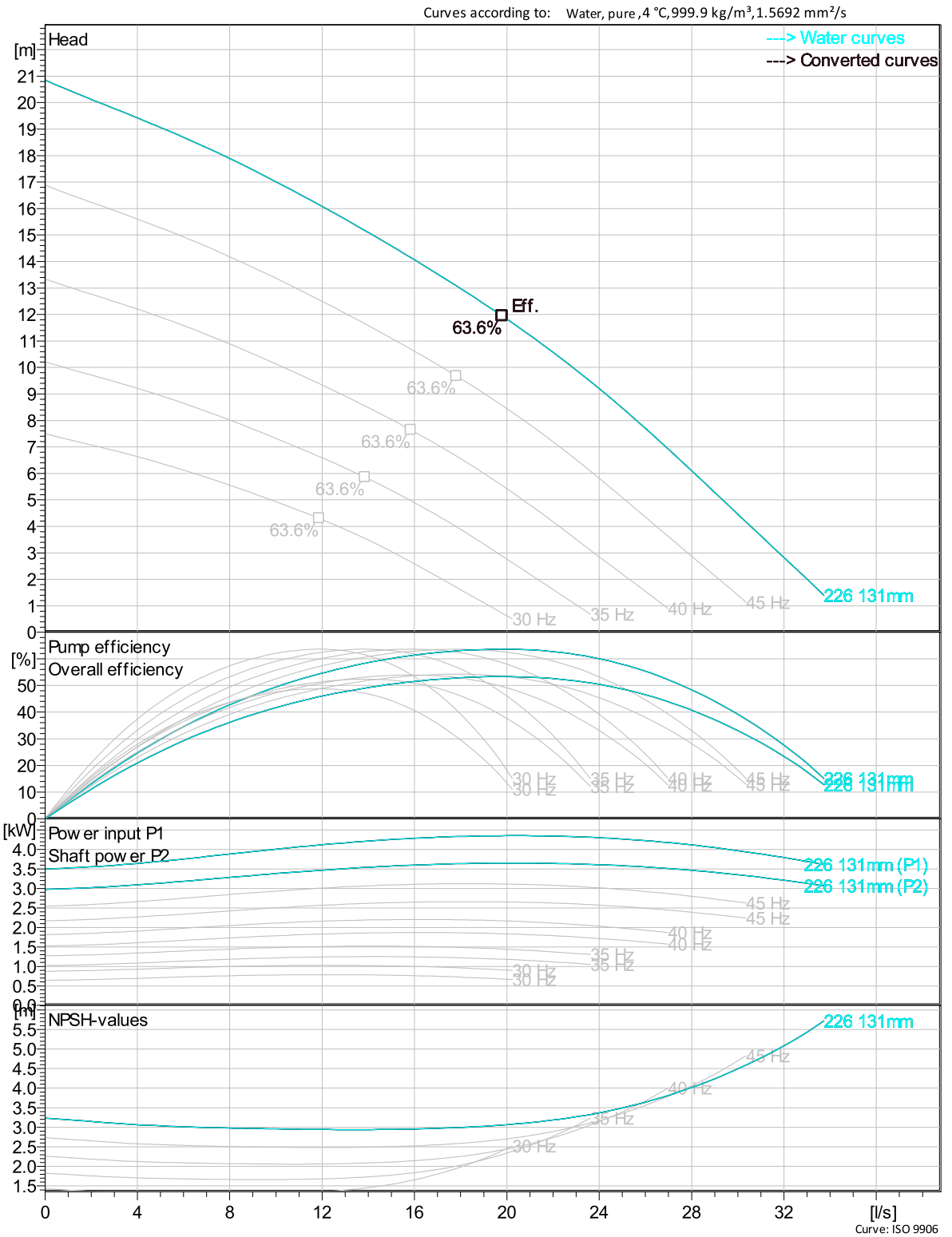
VFD Curve



Project	**Created by**	Joshua Harvey	
Block	**Created on**	2/9/2021	**Last update** 2/9/2021

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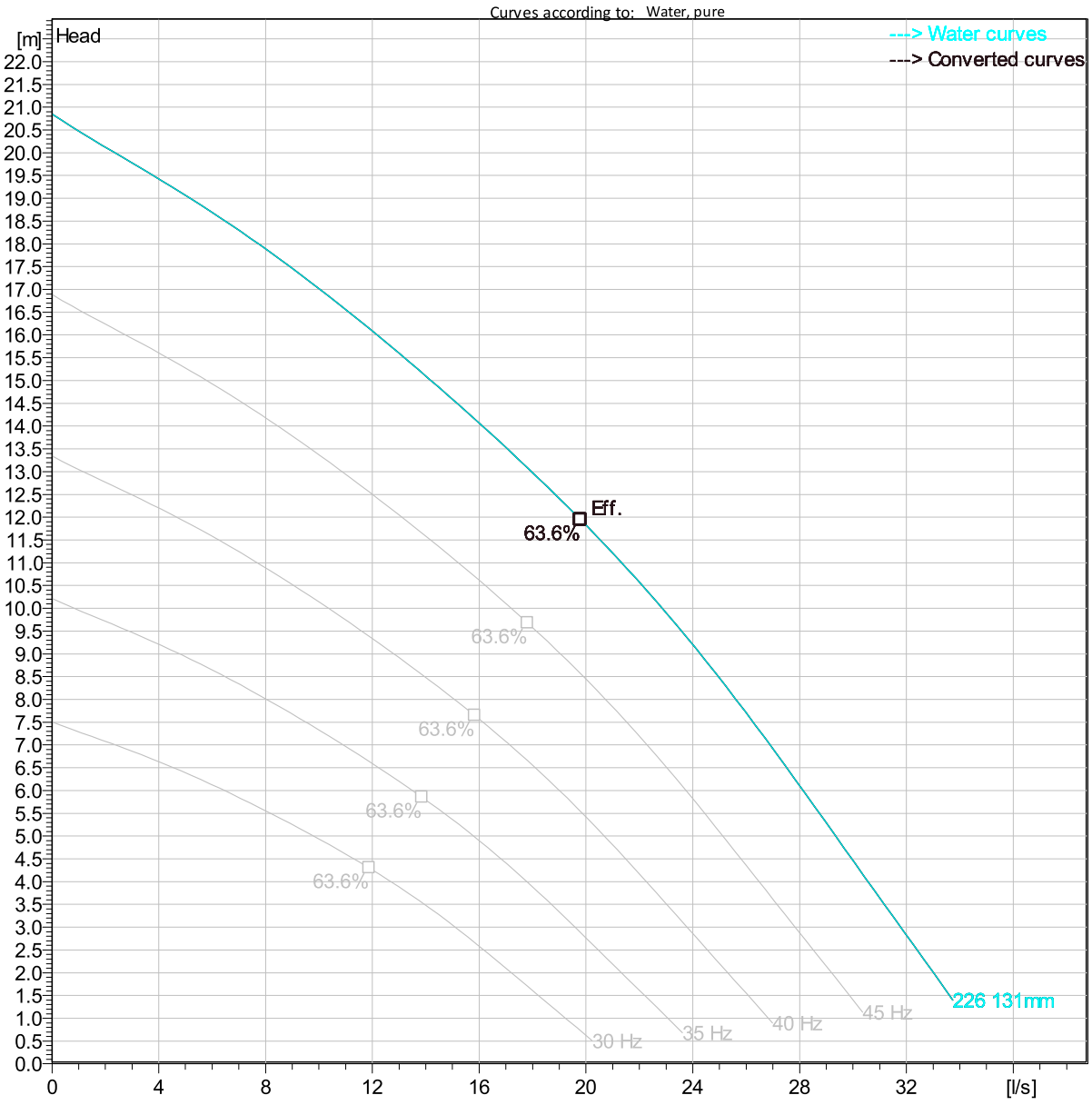
VFD Analysis



Operating characteristics

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

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Block		**Created on**	2/9/2021	**Last update**	2/9/2021

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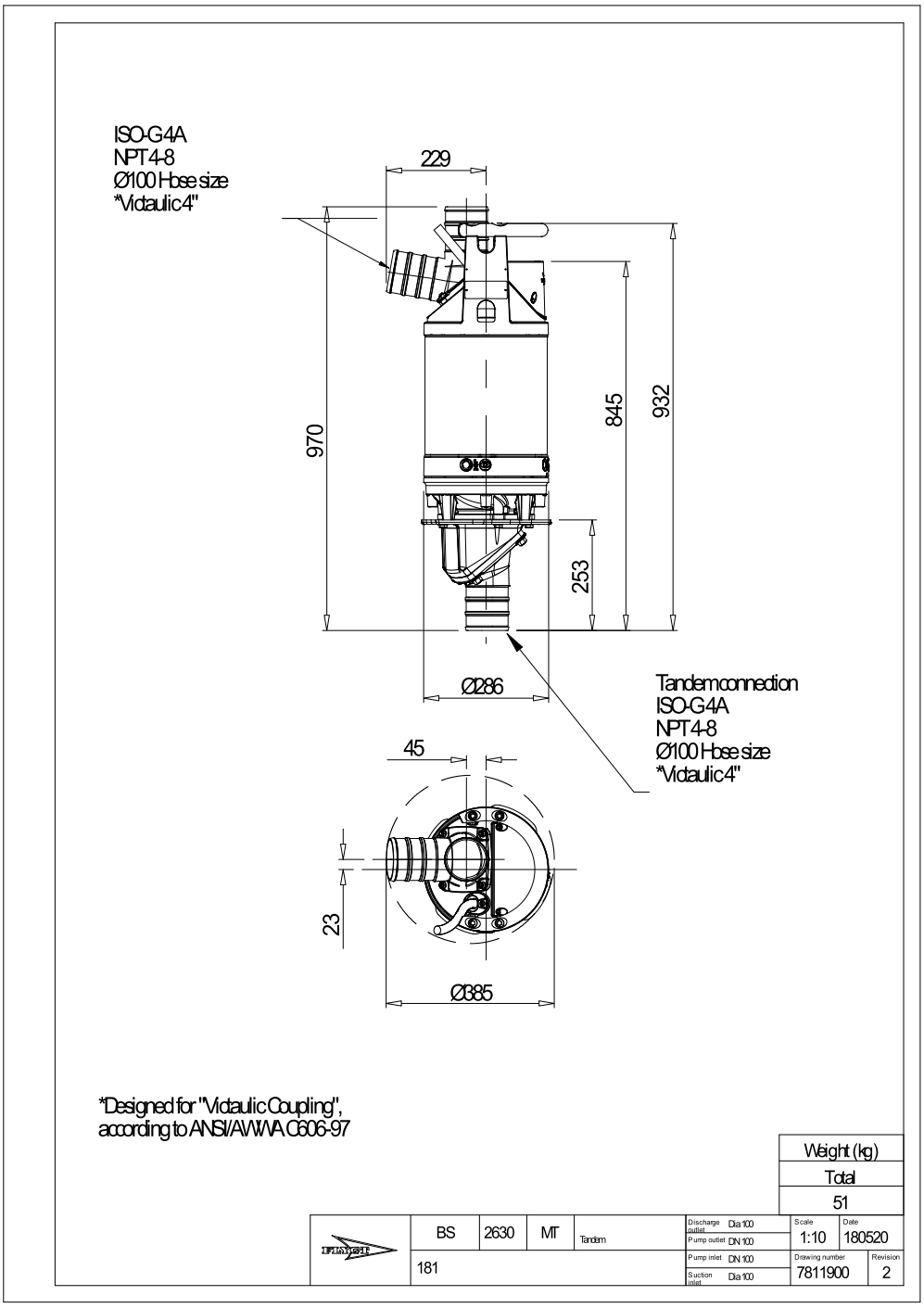
Dimensional drawing



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