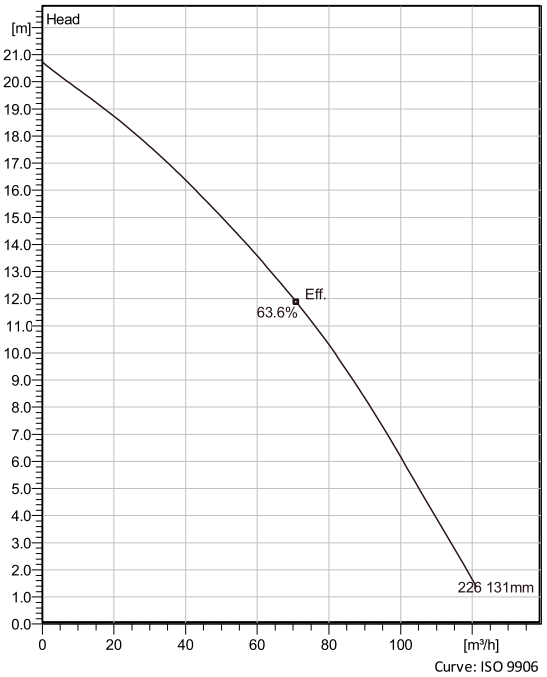
BS 2630 MT 3~ 226

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

Technical specification

Curves according to: Water, pure Water, pure [100%],4 °C,999.9 kg/m³,1.5692 mm²/s



Curve: ISO 9906

Configuration

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

Installation type
S - Portable Semi permanent, Wet

Impeller diameter
131 mm

Discharge diameter
100 mm

Pump information

Impeller diameter
131 mm

Discharge diameter
100 mm

Inlet diameter
90 mm

Maximum operating speed
2875 rpm

Number of blades
2

Max. fluid temperature
40 °C

Materials

Impeller
Hard-Iron

Stator housing material
Aluminium

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Technical specification

Motor - General

Motor number B2630.181 15-12-2BB-W 3.7KW	**Phases** 3~	**Rated speed** 2875 rpm	**Rated power** 3.7 kW
Approval No	**Number of poles** 2	**Rated current** 7.2 A	**Stator variant** 5
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** 83.5 %	**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** 85.1 %	**Starting current, direct starting** 48 A	
Power factor - 1/2 Load 0.70	**Motor efficiency - 1/2 Load** 84.8 %	**Starting current, star-delta** 16 A	

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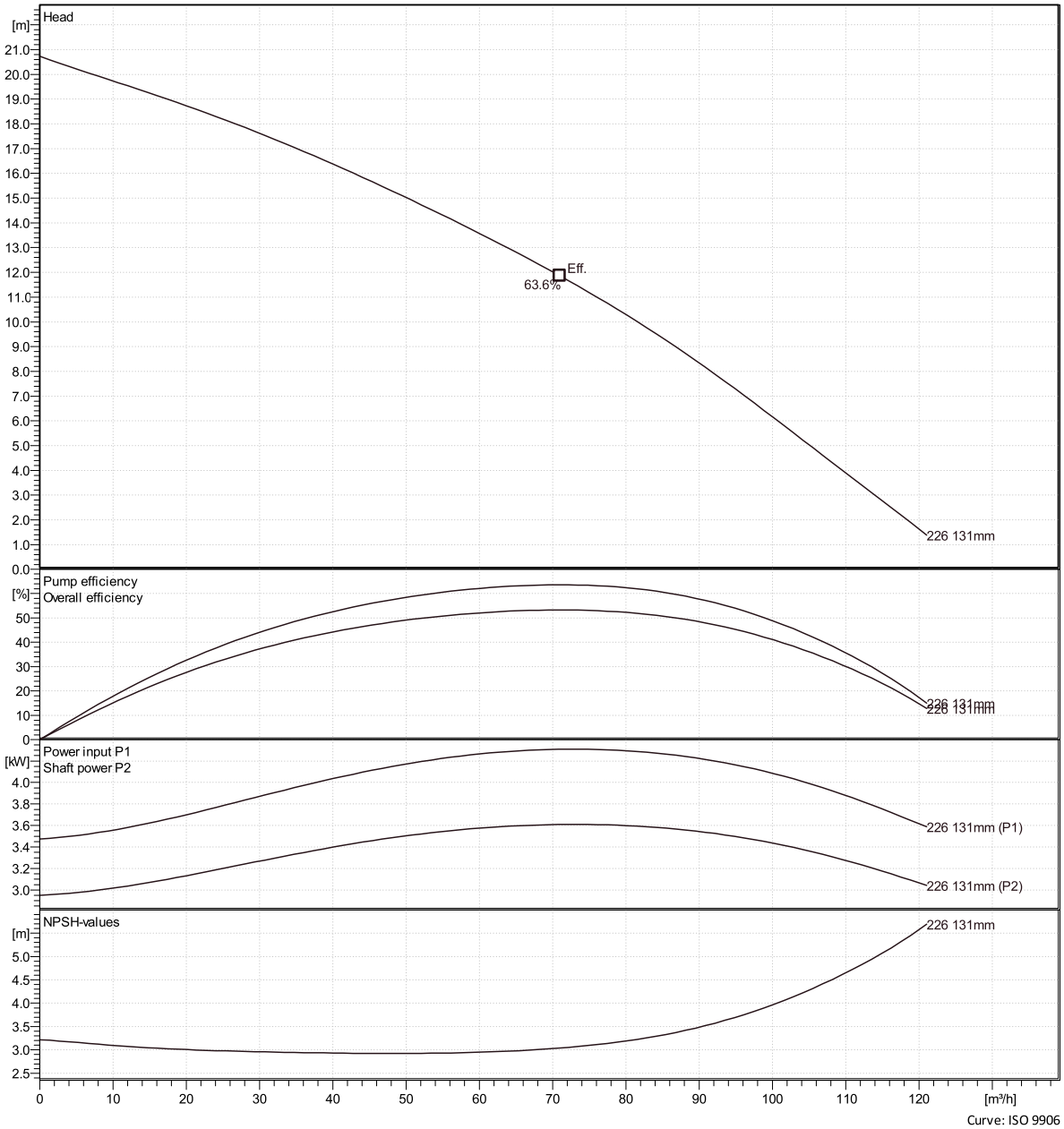
Performance curve

Duty point

Flow	Head

Curves according to: Water, pure Water, pure [100%],4 °C,999.9 kg/m³,1.5692 mm²/s



Curve: ISO 9906

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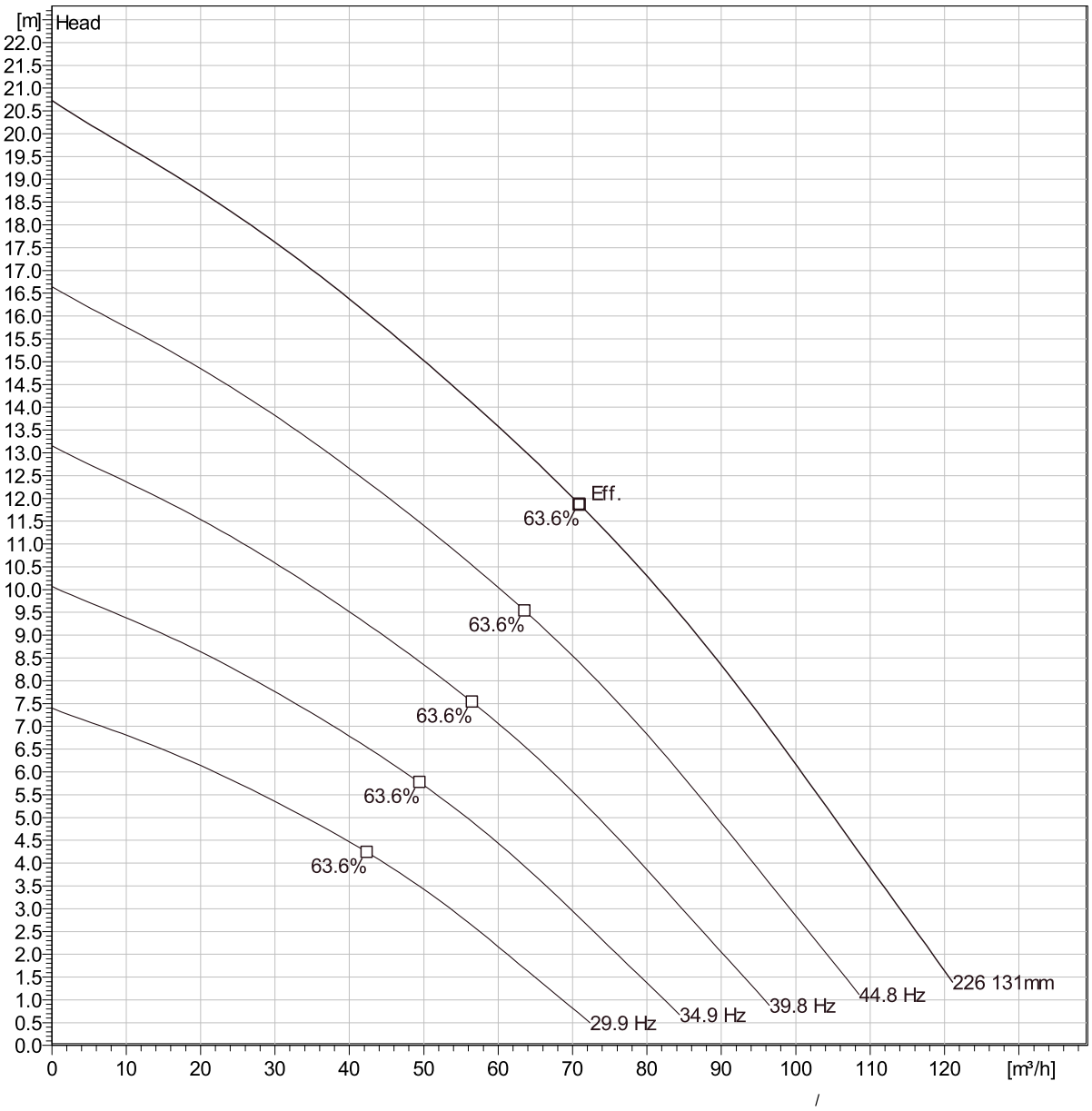
Duty Analysis

Curves according to: Water, pure [100%] ; 4°C; 999.9kg/m³; 1.5692mm²/s



Operating characteristics

Pumps / Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Spec. Energy	NPSHre
	m³/h	m	kW	m³/h	m	kW		kWh/m³	m

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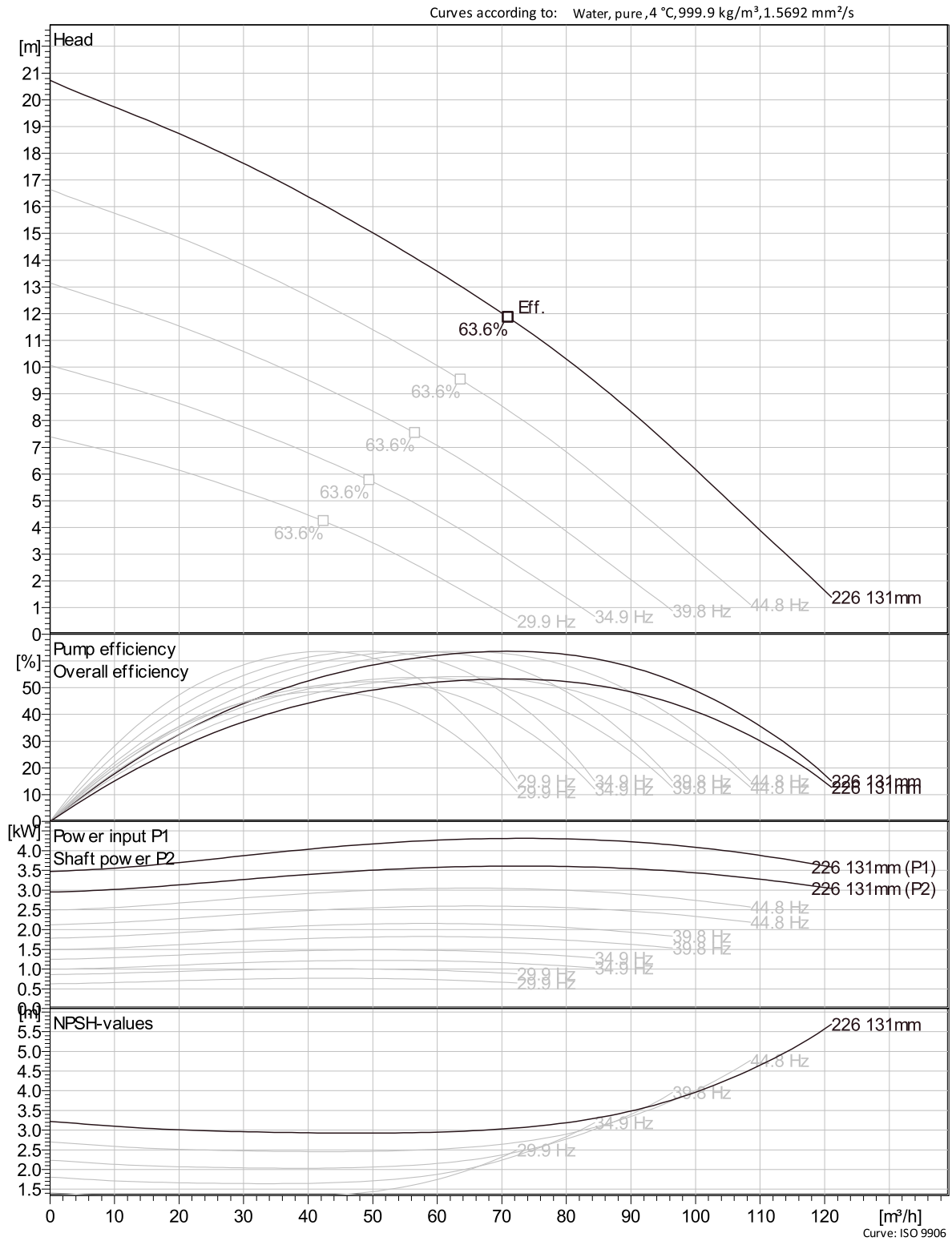
VFD Curve



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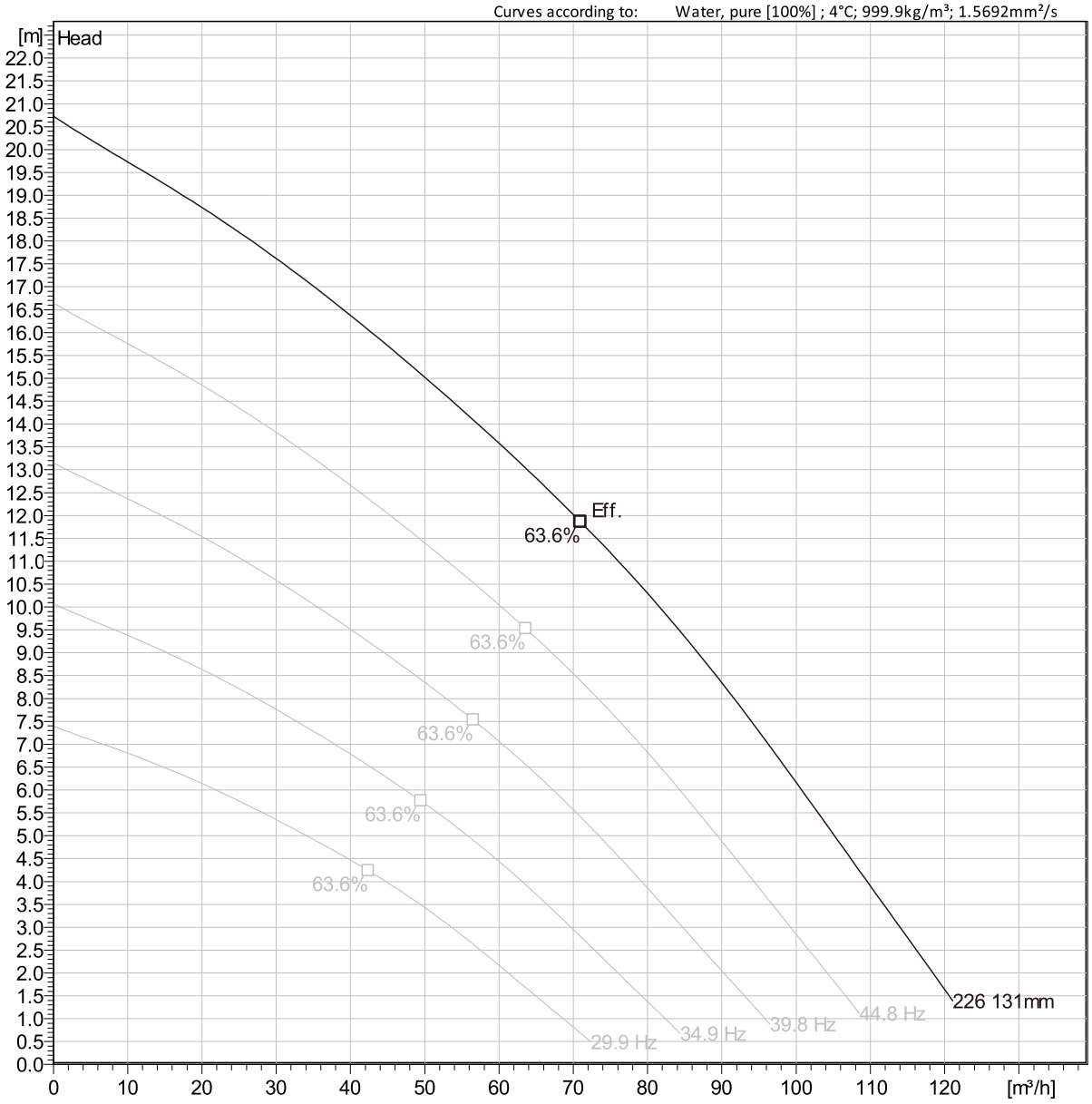
VFD Analysis

Curves according to: Water, pure [100%] ; 4°C; 999.9kg/m³; 1.5692mm²/s



Operating Characteristics

Pumps / Systems	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific energy	NPSHre
		m³/h	m	kW	m³/h	m	kW		kWh/m³	m

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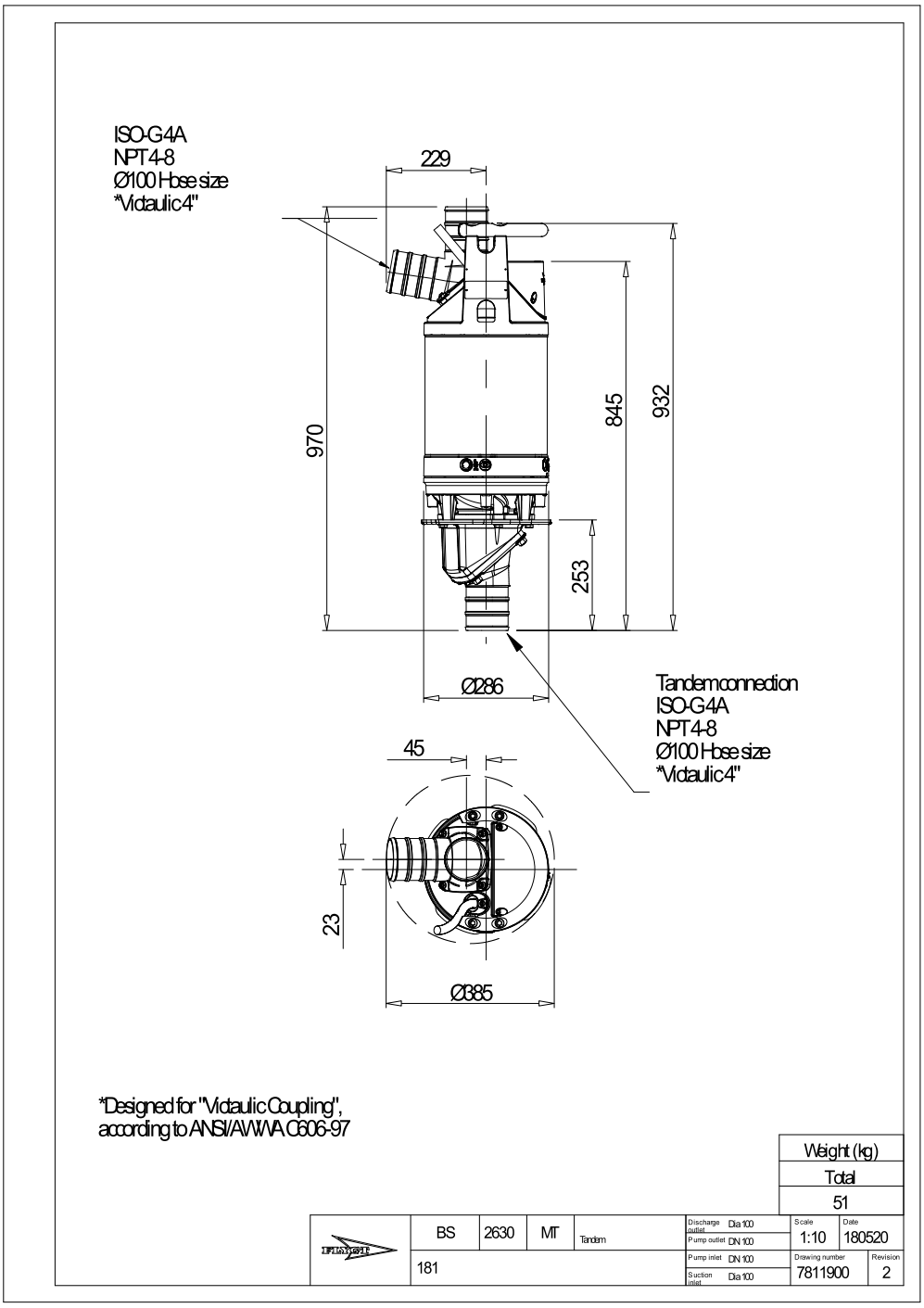
Dimensional drawing



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