

KS 2620 MT 1~ 233

Portable pumps ideal for applications in which the water or liquid contains concentrations of abrasives when clogging problems can occur



Technical specification



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



Configuration

Motor number K2620.172 13-10-2BB-W 1.5KW	Installation type S - Portable Semi permanent, Wet
Impeller diameter 124 mm	Discharge diameter 75 m

Pump information

Impeller diameter 124 mm
Discharge diameter 75 m
Inlet diameter 63 mm
Maximum operating speed 2830 rpm
Number of blades 5
Max. fluid temperature 40 °C

Materials

Impeller Hard-Iron

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 K2620.172 13-10-2BB-W 1.5KW	Phases 1~	Rated speed 2830 rpm	Rated power 1.5 kW
ATEX approved No	Number of poles 2	Rated current 8.4 A	Stator variant 1
Frequency 50 Hz	Rated voltage 230 V	Insulation class F	Type of Duty S1
Version code 172			

Motor - Technical

Power factor - 1/1 Load 0.98	Motor efficiency - 1/1 Load 79.5 %	Total moment of inertia 0.00174 kg m ²	Starts per hour max. 15
Power factor - 3/4 Load 0.98	Motor efficiency - 3/4 Load 79.0 %	Starting current, direct starting 32 A	
Power factor - 1/2 Load 0.97	Motor efficiency - 1/2 Load 74.5 %	Starting current, star-delta 10.7 A	

Project
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Performance curve

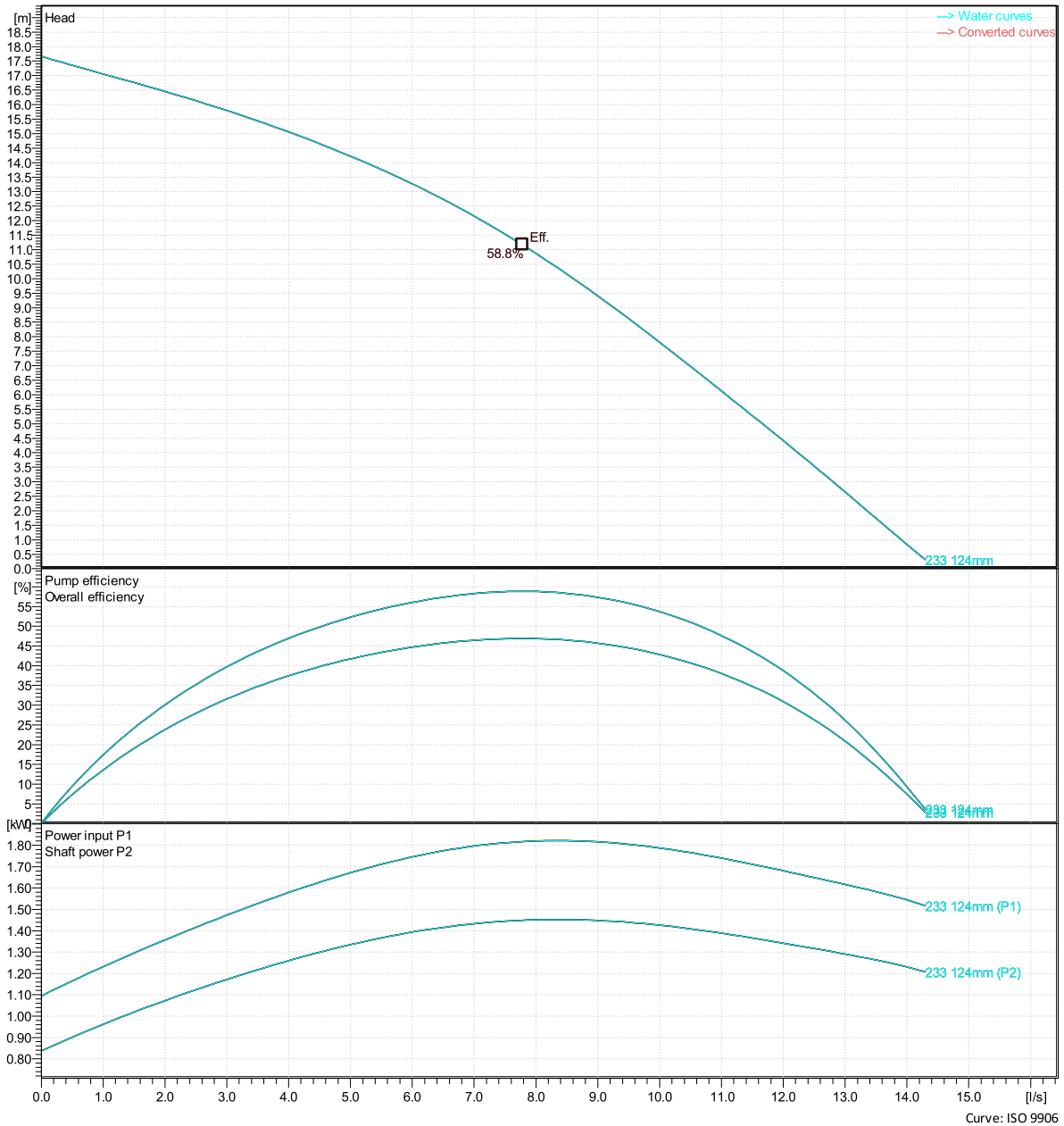


Duty point

Flow

Head

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



Curve: ISO 9906

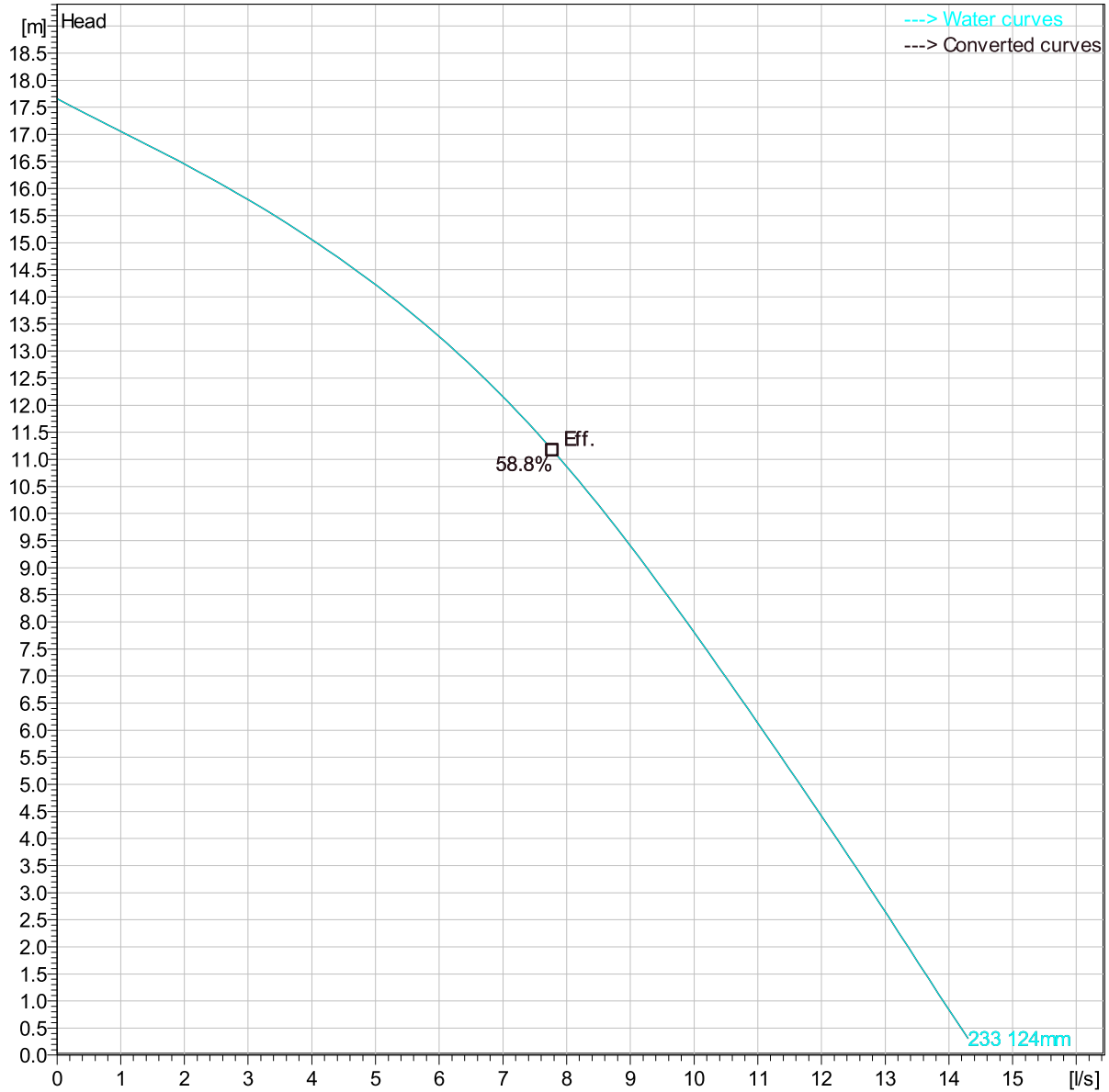
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Duty Analysis



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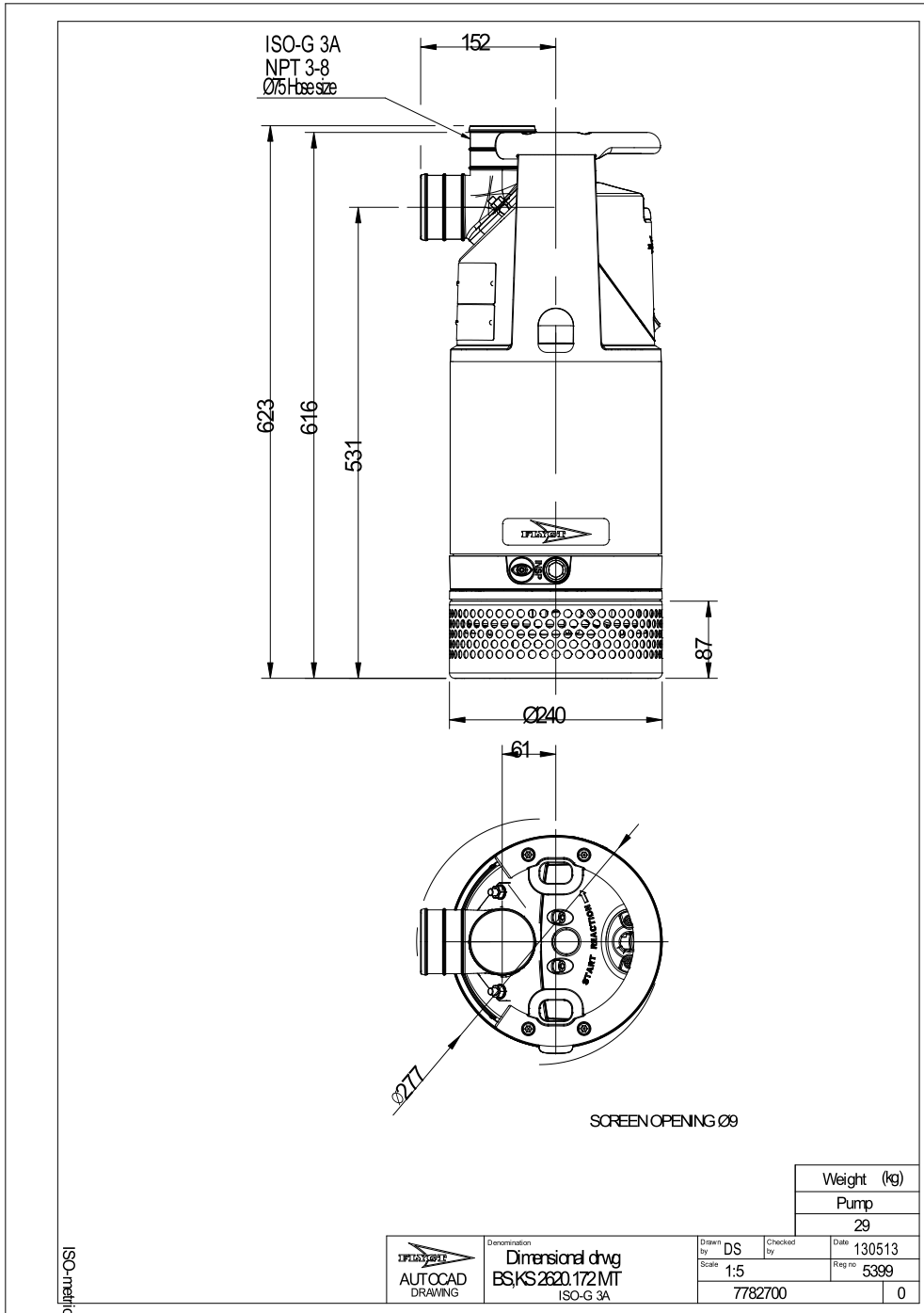
Operating characteristics

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

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Dimensional drawing



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