



Application

Construction - Specialised civil engineering - Gravel works Conveying abrasive media

Elements	Parameter	Unit	Value
	Tank capacity	l	340
	Usable tank capacity	l	280
	Consumption 100 / 50% load	Diesel l/h	10,7 / 5,57
	Sound power level	LWA dB	102
	Sound pressure 7/10 m	LPA dB(A)	76 / 74

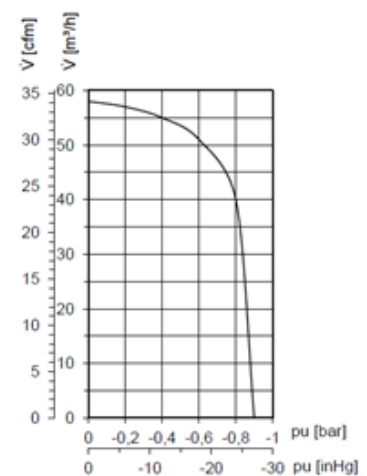
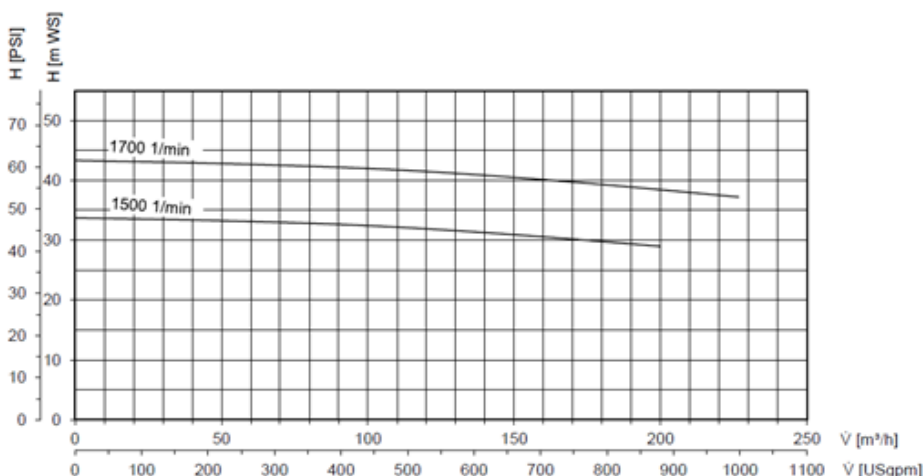
Pump	Flow	V_{max}	m ³ /h	200
	Head	H_{max}	m WS	38
	Connection	DN _s / DN _D	mm	150 Flansch
	Solid size max.	∅	mm	70

Vacuum Pump	Flow	\dot{V}	m ³ /h	58
	Vacuum	p_U	bar	-0,92

Engine	Producer			Hatz
	Type			4H50TICD
	Power	P	kW	42,3
	RPM	n	1/min	1700

Dimensions	Length x width x height	l x w x h	mm	2300 x 1250 x 1500
	Weight		m	kg

Pump Performance



Function

The armoured pump driven by a diesel engine and vacuum generator ensure continuous delivery of the abrasive medium. The air separator tank upstream of the armoured pump enables the air that has entered the suction line to be separated from the medium so that the armoured pump only conveys the liquid medium. This combined system achieves safe, fast suction and a high vacuum.

Features



Air Separator

The air separator tank is made of hot-dip galvanised sheet steel and is therefore optimally protected against corrosion.



Cast Iron Pump

Reliability in operation - The specially developed armoured pump ensures trouble-free operation and minimised downtime.

Features:

- Oversized shaft made of high-strength alloy steel
- Double seal arrangement ensures a secure seal
- Back-pull-out function enables easy inspection and maintenance



HC-Multi-Controller

The HC multi-controller with its integrated and freely configurable inputs and outputs makes it extremely flexible and saves on additional I/O modules. The programmability makes it interesting for numerous applications.



Vacuum Pump

The dry-running and oil-free rotary vane vacuum pumps from Hüdig offer numerous advantages. They are robust, low-maintenance and environmentally friendly, as no oil is required. This results in lower operating costs and there is no risk of oil contamination. These pumps are reliable, durable and operate quietly.