



Application

Construction Industry - General Industry – Municipalities

- Conveying of ground water
- Wellpoint dewatering
- Vacuum consolidation

Elements	Parameter	Unit	Value	
			HC 487/15	HC 487/25
			15	25
	Voltage	V	400	
	Frequency	Hz	50	
	Sound power level	LWA	dB	
	Sound pressure 7/10 m	LPA	dB(A)	
			56/53	

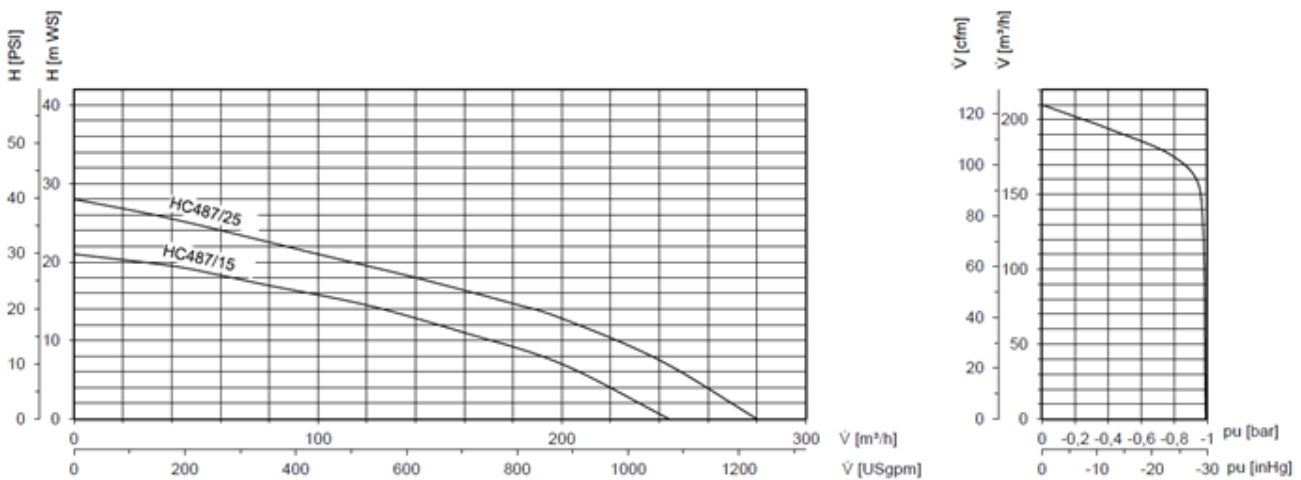
Water Pump	Flow	V_{max}	m^3/h	244	280
	Head	H_{max}	m WS	21	28
	Connection	DN_S / DN_D	mm	2 x 108 V	2 x 159 V ¹⁾
	Solid size max.	\emptyset	mm	10	

Vacuum Pump	Flow	\dot{V}	m^3/h	210	
	Vacuum	p_U	bar	-0,98	

Motor	Power consumption	P_N	kW	5,5	7,7
		P_{max}	kW	11,0	15,4
Dimensions	Length x width x height	l x w x h	mm	1895 x 1650 x 1400	
				Weight	m

¹⁾ Connection 108 V available on request

Performance Chart



Function

The fully automated principle of the HC 487 makes it possible to lower a particularly large number of long wellpoints. Two rotary vane vacuum pumps run continuously, enabling water and air to be efficiently separated. As soon as the boiler is full, the water is drained by the two high-quality submersible pumps.

Features



Vacuum Chamber

HÜDIG vacuum boilers are hot-dip galvanised as standard and therefore offer optimum protection against corrosion. Large boiler volumes ensure that the water and vacuum generators are switched on less frequently. This results in improved efficiency and a longer service life for the entire unit.



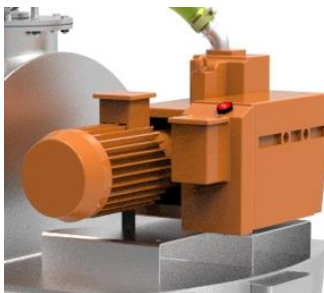
Waste Water - Submersibles

If a filter jacket is defective or open dewatering is in operation, this is no problem for HÜDIG electric vacuum units. Our high-quality submersible waste water pump designed to reliably pump even water containing sand, thus preventing premature failure. An additional advantage is their dry-running reliability, which guarantees operation even under difficult conditions. An absolute advantage!



Switch Cabinet

The water or vacuum generators are switched on or off via an electrode system type of control. This type of control has the advantage over a selector disc float control that it is also insensitive in the long term. The electrical components used are standard components. This ensures a rapid supply of spare parts in the event of a breakdown. A so-called phase sequence relay ensures that the electric motors are always operated in the correct direction of rotation!



Vacuum Pump

The oil-lubricated rotary vane vacuum pumps from Hüdigg offer numerous advantages. They are robust, low-maintenance and can achieve a very high vacuum of up to -0.99 bar. This means that filter lances of over 7 metres can be used.