



## EXCELLENCE IN COMPONENTS



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HYDRAULIC PUMP UNIT WITH  
INVERTER (VVVF)



# Pump unit HI



EXCELLENCE IN COMPONENTS

Wittur Research Centre presents pump unit HI.

Ideal for new installations and modernizations (SNEL), Wittur HI secures a reduction of electricity consumption up to 48.8% compared to traditional pump units.

Thanks to highly innovative content, the HI pump unit is the best in class for comfort and energy save. Designed, tested and guaranteed by Wittur, pump unit HI is easy to be installed; thanks to integrated hand terminal the setting of parameters is fast and simple.

## HYDRAULIC PUMP UNIT WITH INVERTER (VVVF)

# Pump unit HI

## Technical information

Installation data		U.	HM	HE	HI nominal fixed speed	HI nominal fixed power
Load		kg	330			
Travel		m	8			
Diameter cyl		mm	90			
Tank		l	110			
Nominal speed		m/s	0.63			
Pump		l/min	125			
Motor		kW	5.9	5.9	5.9	4.7
Cos $\Phi$			0.8	0.8	0.98	0.98
Inrush current		A	90	89	17	14
Continuos runs without cooler		N°	110	140	180	>200
Current	Empty	A	17	17.3	17	14
	Full	A	23	22	23	18
Uptravel speed	Empty	m/s	0.6	0.63	0.63	0.63
	Full	m/s	0.6	0.62	0.62	0,5*
Downtravel speed	Empty	m/s	0.63	0.63	0.63	0.63
	Full	m/s	0.63	0.63	0.63	0.63
Noise	Up	dB	58	65	58	58
	Down	dB	58	67	56	56
Energy (100 travels)		kW h	6	5.4	4.2	4.2

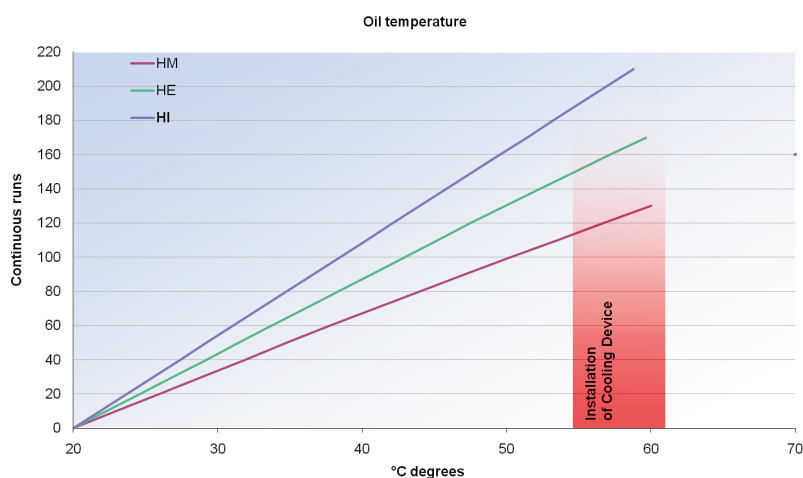
\* Uptravel speed: 1 person 0.52 m/s; 2 people 0.50 m/s; 3 people 0.45 m/s; 4 people 0.42 m/s;

- New block HI with integrated hand pump
- Up and Down travel managed by inverter
- Open loop system without encoder
- Up to 1 m/s speed
- Floor approach is precise not depending on the load
- Exclusive software
- Inspection and re-livelling speed are adjustable
- Intermediate floors with specific speed
- Ready for HDU: the new device in conformity with EN81-2/A3
- Available with pumps from 55 to 380 l/min and motors from 3.3 to 36.8 kW

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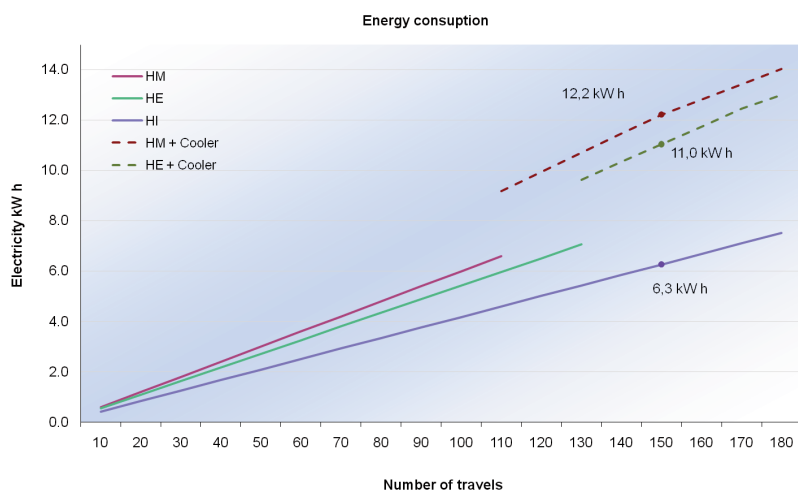
# Pump unit HI

Wittur HI is suitable for every kind of installation



- HI achieves, with constant nominal speed at any load, energy saving up to 48.8% compared to traditional pump unit.

Further to the above, opposite to limited speed reduction, HI asks for 20.3% less power from network, that allows cut of fixed cost depending on supplier for electricity.



Wittur HI allows:

- Up to 48,8% energy saving
- Up to 20,3% reduction of power request
- Best travel comfort with the less noise
- Cooling device is avoided
- Soft starter is avoided
- Inrush current is cut definitively
- Power factor is adjusted perfectly ( $\text{Cos } \varphi > 0,98$ )
- Microlivelling device is avoided