

HRP

Hermetic refrigerant pump



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Applications

HRP refrigerant pumps with integrated canned motor are chosen whenever a maintenance-free execution is needed or high operating pressures are required.

Advantages

Easy handling

WITT refrigerant pumps are designed solely for use in refrigeration systems therefore everything has been thought out: integrated vent line, top connections so gas can escape, good oil drain possibility and broad operating range. There is no need for additional piping such as motor cooling lines or Q_{\min}/Q_{\max} orifices (Exception CO₂). The pump may be installed suspended, so that there is sufficient space for a condensate drip pan underneath.

Reliability

The stator can withstand high design pressure of up to 40 bar and the stator oil filling provides additional protection for the stator windings. The good delivery properties of this pump make sure the volume flow is not interrupted by varying pressures (which cannot be avoided during load changes at the compressor). The pump keeps delivering dependably.

Maintenance-free

Hermetic refrigerant pumps do not require maintenance, but installation should be executed carefully to make sure there is always sufficient liquid refrigerant to lubricate the bearings and cool the motor. Too high gas intake, lack of refrigerant or operation against too high pressure will shorten a life time that is expected to be at least 10 years.

Availability

WITT HRP refrigerant pumps are delivered from stock and suitable for nearly all refrigerants.

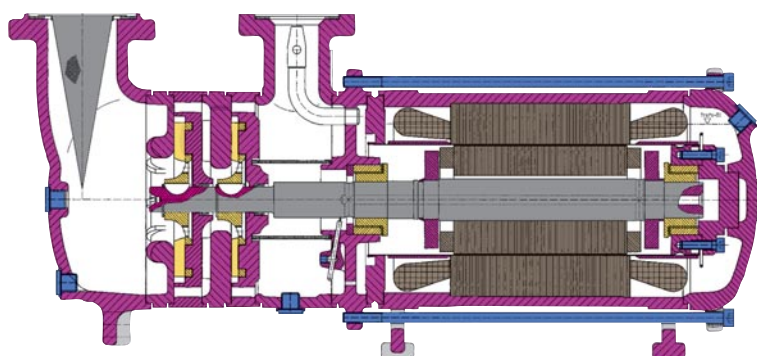
Easy selection

Volume flow and delivery head are sufficient to select a correct pump, either with the selection program **WITTselect** or at a glance with our diagram. The broad operating range makes it easy to find a suitable pump. Additional equipment is not necessary, we have already thought of everything.



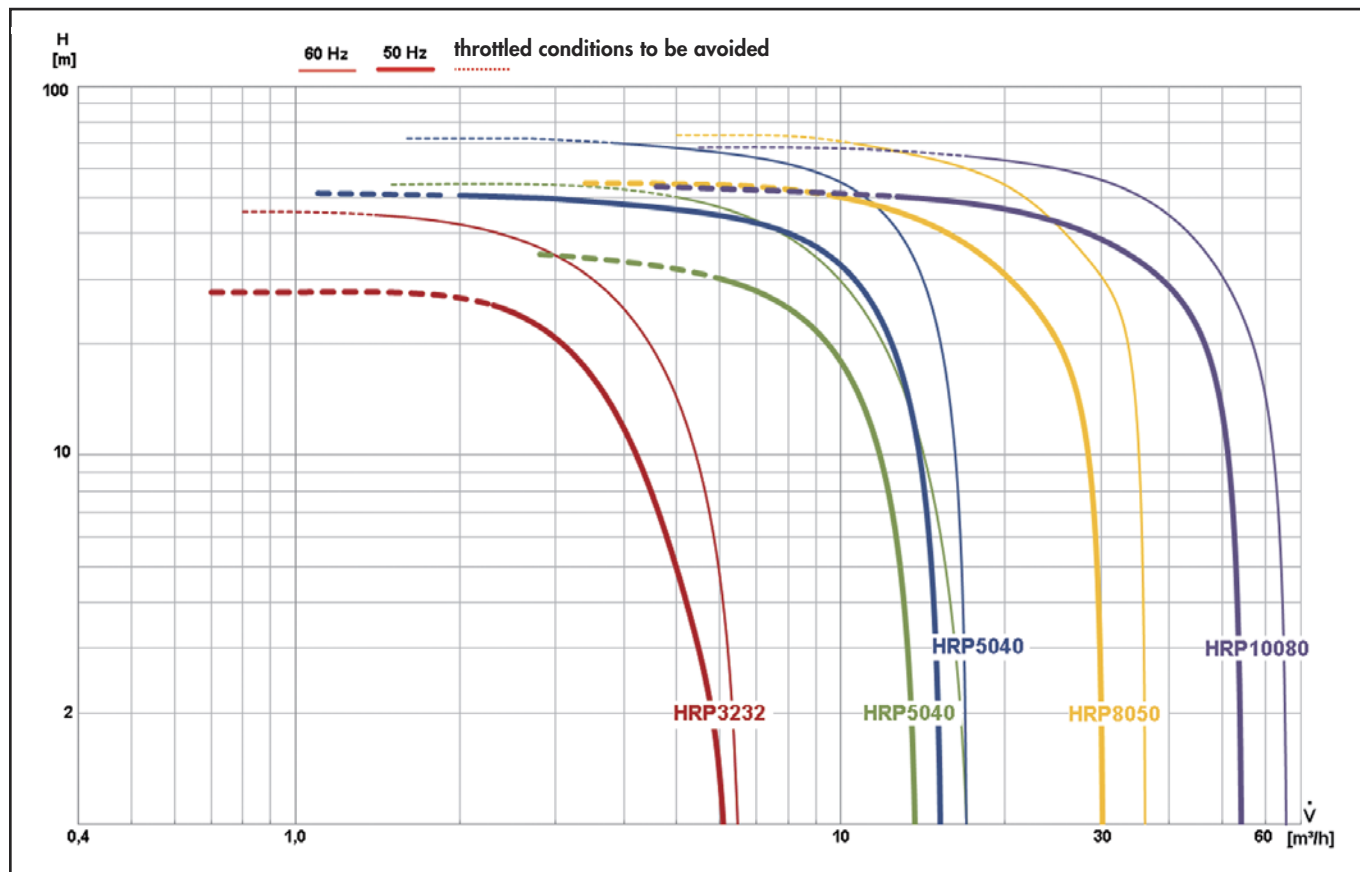
	max. delivery height*	max. capacity*	suction-/delivery connection	PN _{max}	material	weight**
	(m)	(m ³ /h)	(DN)	(bar)		
HRP3232	28/45	5,2/5,6	32/32	25/40/65	GGG	50
HRP5040	35/50	13,2/13,9	50/40	25/-	GGG	68
HRP5050	50/70	15/16,4	50/50	25/40	GGG	98
HRP8050	50/70	30/35	80/50	25/40	GGG	107
HRP10080	50/65	55/66	100/80	25/40	GGG	175

* 50 Hz/60 Hz at 2900/3600 1/min ** EA + ERA



Optional equipment scope of supply

- GF counter flanges
- EA stop valves suction and delivery side
- ERA stop/non-return valve on the delivery side
- Motor protection





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