



## THERMOPLASTIC MAG-DRIVE REGENERATIVE TURBINE PUMPS, SELF-PRIMING



HTT-SP pumps can prime up to 5 m with water at ambient temperature. The casing is made from a PP solid machined block and the impeller in PVDF for maximum chemical resistance. The casing is machined from a solid block. The impeller in PVDF is self-balanced to eliminate thrust bearing wear and it is separate to minimize the maintenance costs. This kind of pump offers maximum resistance withstanding also external corrosion. It handles up to 20% entrained gas and resists cavitation.

### MAIN FEATURES:

- Max flow: 6 m<sup>3</sup>/h; max head 28 m.
- Max temperature: PP: 70°C - PVDF: 90°C.
- High torque magnetic coupling.
- Chemical resistant PTFE/carbon sleeve bearings.
- Static shaft in high purity ceramic.
- Direct starting motor.

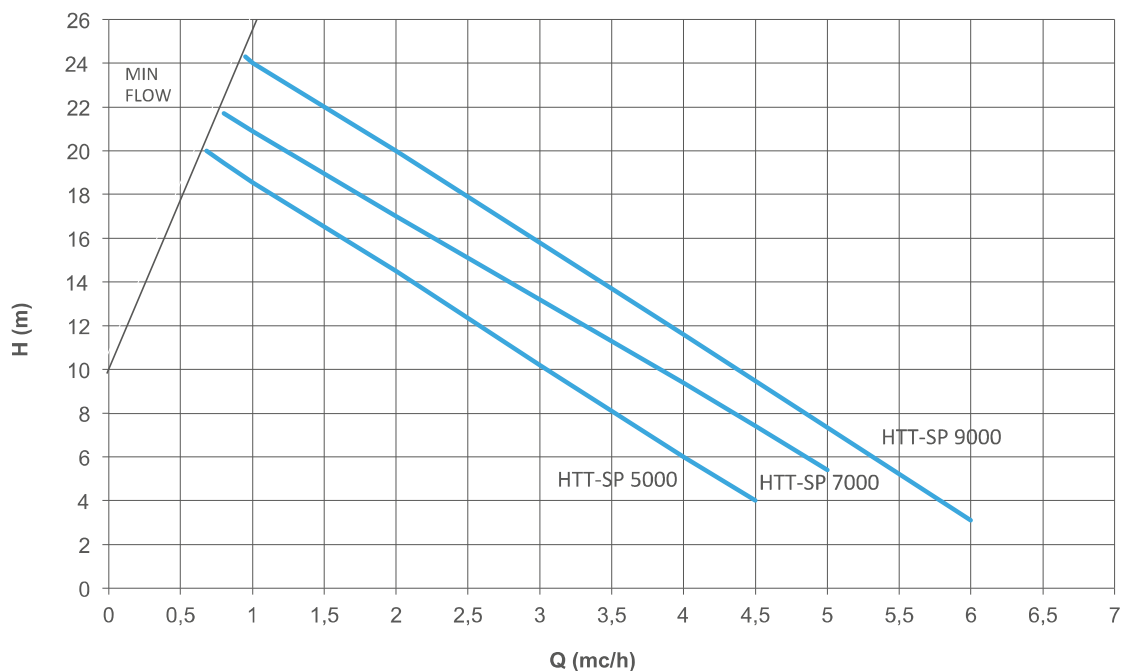
### STANDARD:

- High torque magnetic coupling.
- Chemical resistant PTFE/carbon sleeve bearings.
- Static shaft in high purity ceramic.
- Direct starting motors.

### OPTIONAL:

- DIN or ANSI flanges available.
- Baseplate.
- Available in ATEX version for zone 2 II3G (pump mod. EM-T SP).

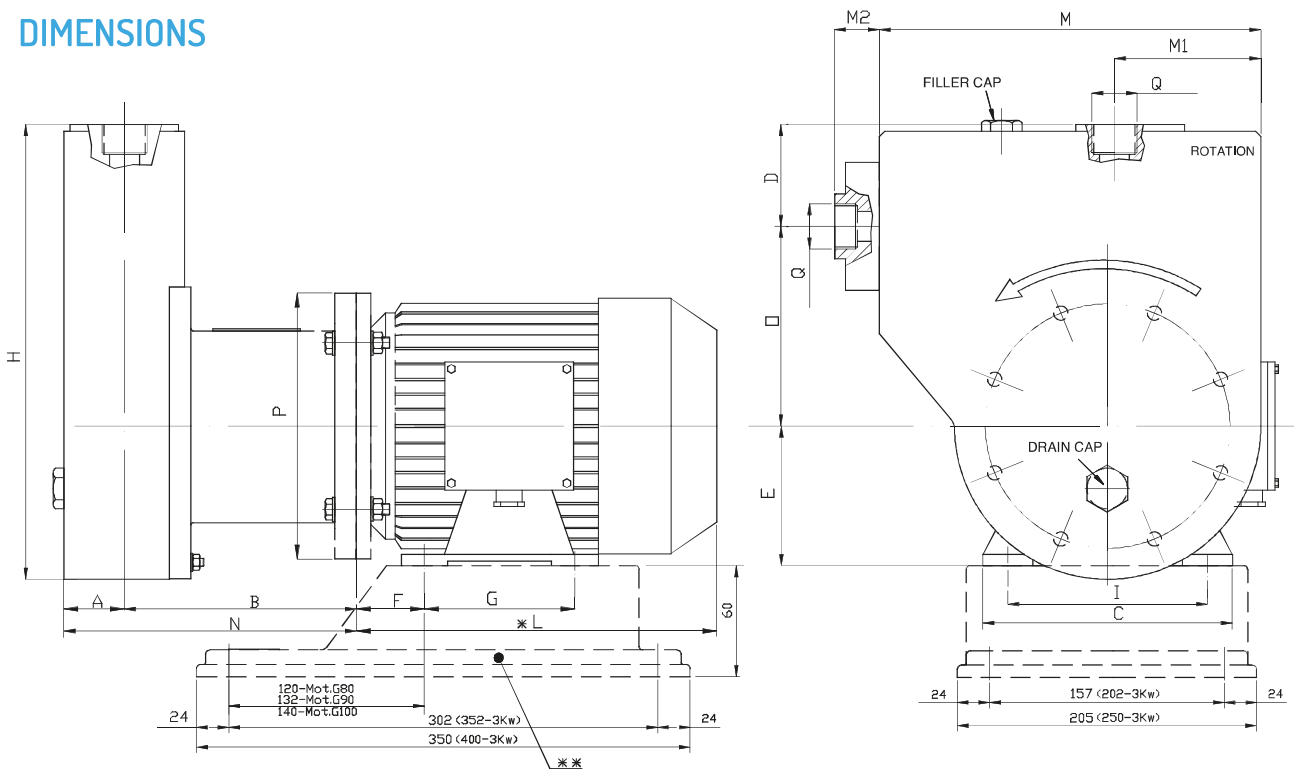
## PERFORMANCE CURVES 50HZ - 2900 RPM



### HTT-SP TECHNICAL DATA

PUMP SIZE	MATERIAL	Q MAX		H MAX		SUCTION CONNECTION	DISCHARGE CONNECTION	SUITABLE MOTOR POWER (Kw) - 2900 rpm	MOTOR FLANGE AND FRAME
		50HZ (M3/H)	60HZ (USGPM)	50HZ (MLC)	60HZ (FT)				
HTT-SP 5000	PP- PVDF	4.5	23	18	90	1" FEMALE	1" FEMALE	0,75	80 - B3/B5
								1,1	80 - B3/B5
HTT-SP 7000	PP- PVDF	5	27	20	98	1" FEMALE	1" FEMALE	1,1	80 - B3/B5
								1,5	90 S - B3/B5
								2,2	90 L - B3/B5
HTT-SP 9000	PP- PVDF	6	32	24	110	1" FEMALE	1" FEMALE	2,2	90 - B3/B5
								3	100 - B3/B5

### HTT-SP DIMENSIONS



PUMP TYPE	MOTOR FLANGE B3 - B5	KW	DIMENSIONS - mm -																
			A	B	C	D	E	F	G	H	I	*L	M	M1	M2	N	O	P	Q
HTT-SP 5000	80	0,75	PP = 45 PVDF = 41	175	160	70	80	50	100	325	125	215	270	97,5	33	PP = 220 PVDF = 216	147	200	1" FEMALE
		232																	
HTT-SP 7000	80	1,1	PP = 45 PVDF = 41	175	160	70	80	50	100	325	125	232	270	97,5	33	PP = 220 PVDF = 216	147	200	1" FEMALE
		255																	
		280																	
HTT-SP 9000	90	1,5	PP = 45 PVDF = 41	175	170	70	90	56	125	325	140	280	270	97,5	33	PP = 220 PVDF = 216	147	200	1" FEMALE
		280																	
		280																	
HTT-SP 9000	100	2,2	PP = 45 PVDF = 41	175	170	70	90	56	125	325	140	280	270	97,5	33	PP = 220 PVDF = 216	147	200	1" FEMALE
		340										250							

\* Different according to the manufacturer.

\*\* OPTIONAL UPON REQUEST: Baseplate - Flanges.