

SUBMERSIBLE / VORTEX IMPELLER PUMPS



309PRF350V • 309PRF550V

APPLICATION

Submersible drainage pumps with plunged back impeller Vortex type, which allows free passage of suspended parts. Suitable in civil and industrial water systems, for cesspool drainage with oily or chemical liquids, for dirty water with solid and particularly fibrous particles and for zootechnical waste water.



OPERATING CONDITIONS

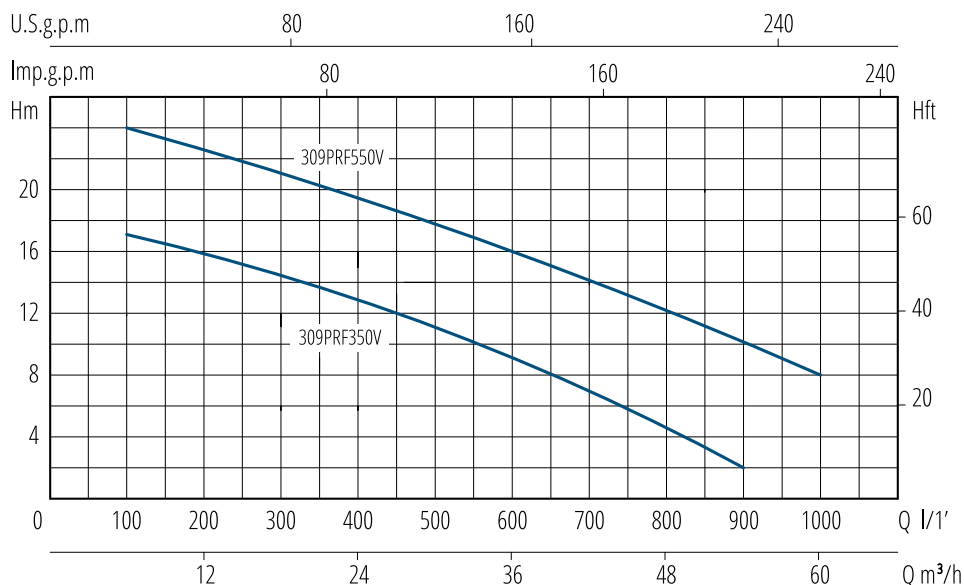
- Liquid temperature 0 - 35°C (according to EN 60335-2-41) up to 50°C (for other uses)
- Maximum immersion depth 20 m (with a cable of the appropriate length)
- Grain size inlet Ø 70 mm
- Min. suction level 190 mm
- Continuous duty

MOTOR

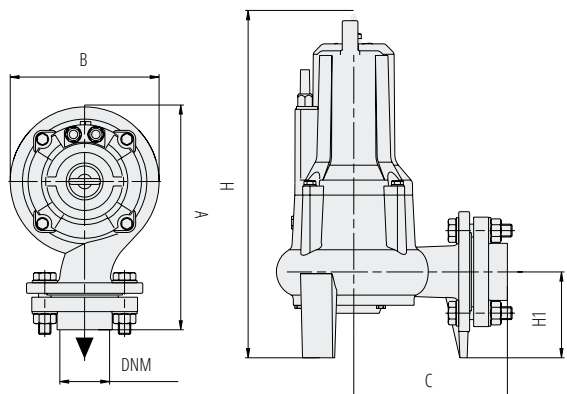
- Insulation Class F
- Protection IP68

MATERIALS

- Motor body - Cast Iron
- Pump body - Cast Iron
- Impeller - Cast Iron
- Shaft with rotor - Stainless Steel AISI 304
- Double mechanical seal in oil chamber : - Ceramic/Graphite/NBR - Silicon/Silicon/NBR



TYPE	NOMINAL POWER		INPUT POWER	AMPERE	Q = CAPACITY									
	HP	kW	kW		Total head in meters w.c.									
Three-phase	P2		P1	Three-phase	m³/h	6	12	18	24	36	42	48	54	60
230/400V-50Hz					3 x 400V	lt/1'	100	200	300	400	600	700	800	900
309PRF350V	3,5	2,5	3,5	6	H (m)	17	16	15	13	9	7	5	2	
309PRF550V	5,5	4	7	12		24	23	21	19	16	14	12	10	8



TYPE	DIMENSIONS mm								WEIGHT
	A	B	C	H	H1	DNM	CABLE	Grain size inlet (mm)	
Three-phase									
309PRF350V	358	256	229	593	143	3"	10 mt H07RN8-F	Ø 70	45
309PRF550V	358	256	229	628	143	3"	10 mt H07RN8-F	Ø 70	51