

External electric pumps IDROPOOL for swimming pools



Application

- Single-stage centrifugal pumps equipped with pre-filter for the circulation of water in filtering systems for swimming pools.

Application features

- Maximum temperature of the liquid pumped **40 °C**;
- Maximum ambient temperature **40 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 55**;
- Insulation class **F**.

Construction

- Asynchronous motor with short circuit rotor entirely watertight;
- All single-phase pumps are equipped with built-in thermal protection (Idropool 600/63 M excluded);
- PVC inlet and discharge socket unions;
- External ventilation.



Components

Electric pump	IDROPOOL
Pump Casing	Polypropylene reinforced with fibre-glass
Pump foot	Polypropylene reinforced with fibre-glass
Pre-filter	Polyethylene
Pump shaft	Stainless steel AISI420
Impeller	Reinforced Noryl® with fibre-glass
Diffuser	Polypropylene reinforced with fibre-glass
Mechanical seal	Graphite and silicium

External electric pumps IDROPOOL for swimming pools



Performance characteristics 2 poles 50 Hz

Single-Phase 230 V Three-Phase 400 V 50 Hz	Motor Type *	Nominal Characteristics							P1	DNA	Flow																													
		HP	KW	A 1~	A 3~	KW 1~	KW 3~	DNM			m³/h	0	7,5	10,5	12,6	13,8	15	16,2	17,4	18	19,5	21																		
											Total manometric head in meters																													
Idropool /50																																								
IDROPOOL	250/50	M / T	0,75	0,55	4,2	1,6	0,95	0,91	50		15,2	14,5	13	11,2	10	8,7																								
IDROPOOL	300/50	M / T	1	0,75	5,3	2	1,15	1,1	50		17	16	14,6	13	11,7	10,5	9,5	8,5	8																					
IDROPOOL	350/50	M / T	1,5	1,1	7,4	3	1,8	1,7	50		19	17	15,6	14,5	13,8	13	12	11	10,5	9,3	8																			

Performance characteristics 2 poles 50 Hz

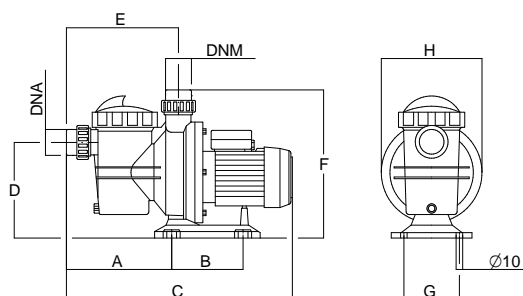
Single-Phase 230 V Three-Phase 400 V 50 Hz	Motor Type *	Nominal Characteristics							P1	DNA	Flow																																			
		HP	KW	A 1~	A 3~	KW 1~	KW 3~	DNM			m³/h	0	12	18	21	24	27	28,5	30	31,5	33	34,5	36																							
											Total manometric head in meters																																			
Idropool /63																																														
IDROPOOL	550/63	M / T	2	1,5	10	3,9	2,2	2,2	63		19	17,6	16	14,7	12,9	11	10	9	7,9	6,8																										
IDROPOOL	600/63	M / T	3	2,2	13,1	4,9	2,8	2,8	63		21,5	20	18,8	18	16,8	15,4	14,4	13	11,6	10	8	6																								

P1 : Max absorbed power from mains

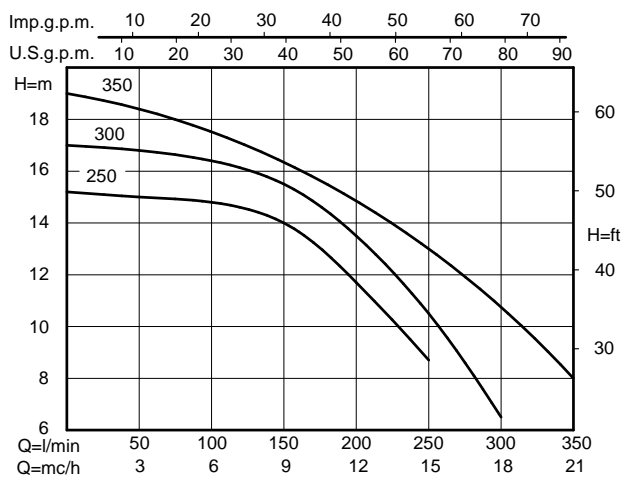
* M : Single-Phase

T : Three-Phase

Type		Dimensions mm								Weight Kg
		A	B	C	D	E	F	G	H	
Idropool	250/50	245	170	550	225	262	345	160	238	10,6
Idropool	300/50	245	170	550	225	262	345	160	238	11,7
Idropool	350/50	245	170	570	225	262	345	160	238	13,2
Idropool	550/63	270	200	655	295	335	450	230	270	21,3
Idropool	600/63	270	200	655	295	335	450	230	270	24,9



Idropool /50



Idropool /63

