PENTAIR STA-RITE

DOMINATOR 5”

MULTISTAGE CENTRIFUGAL SUBMERSIBLE PUMP FOR CLEAR WATER

Completely in Stainless steel

DOMINATOR 5” submersible pumps are ready to use and install in traditional wells, water deposits, collection tanks, fresh water courses, lakes etc. Automatic version equipped with float switch.

APPLICATIONS

- Lifting of water from traditional wells.
- Installations in tanks inside homes for the pressurization of domestic systems for drinking water.
- Small automatic systems for garden irrigation.
- Surface irrigation.

USAGE DATA

- Type of liquid: clean water without suspended solids or abrasive material.
- Maximum temperature of the liquid 40°C.
- Maximum immersion under the water level 17 m.

MOTOR

- Dry motor with stainless steel body cooled by pumped liquid.
- Degree of protection IP 68
- Insulation class F.
- Single-phase power supply with capacitor always on.
- Thermal protection built into the motor casing.
- Cable connection chamber completely insulated.
- Self-lubricating ball bearings.
- Speed of rotation 2850 rpm.
- Suitable for continuous use.



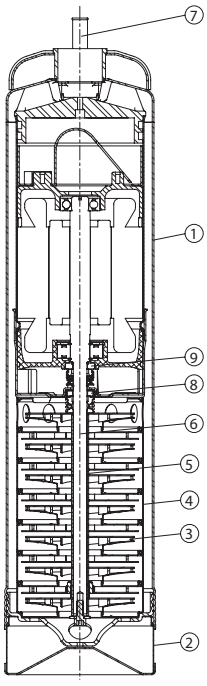

TABLE OF MATERIALS

	Component	Material	
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)	
2	Air inlet grille	Stainless steel X5 CrNi 1810 (AISI 304)	
3	Impellers	Stainless steel X5 CrNi 1810 (AISI 304)	
4	Diffusers	Stainless steel X5 CrNi 1810 (AISI 304)	
5	Spacer	Stainless steel X5 CrNi 1810 (AISI 304)	
6	Motor shaft	Stainless steel X5 CrNi 1810 (AISI 304)	
7	Supply cable	20 m H07 RN-F with plug	
8	Mechanical seal	Graphite	Lubricated in oil chamber
9	Counterface	Aluminium oxide	

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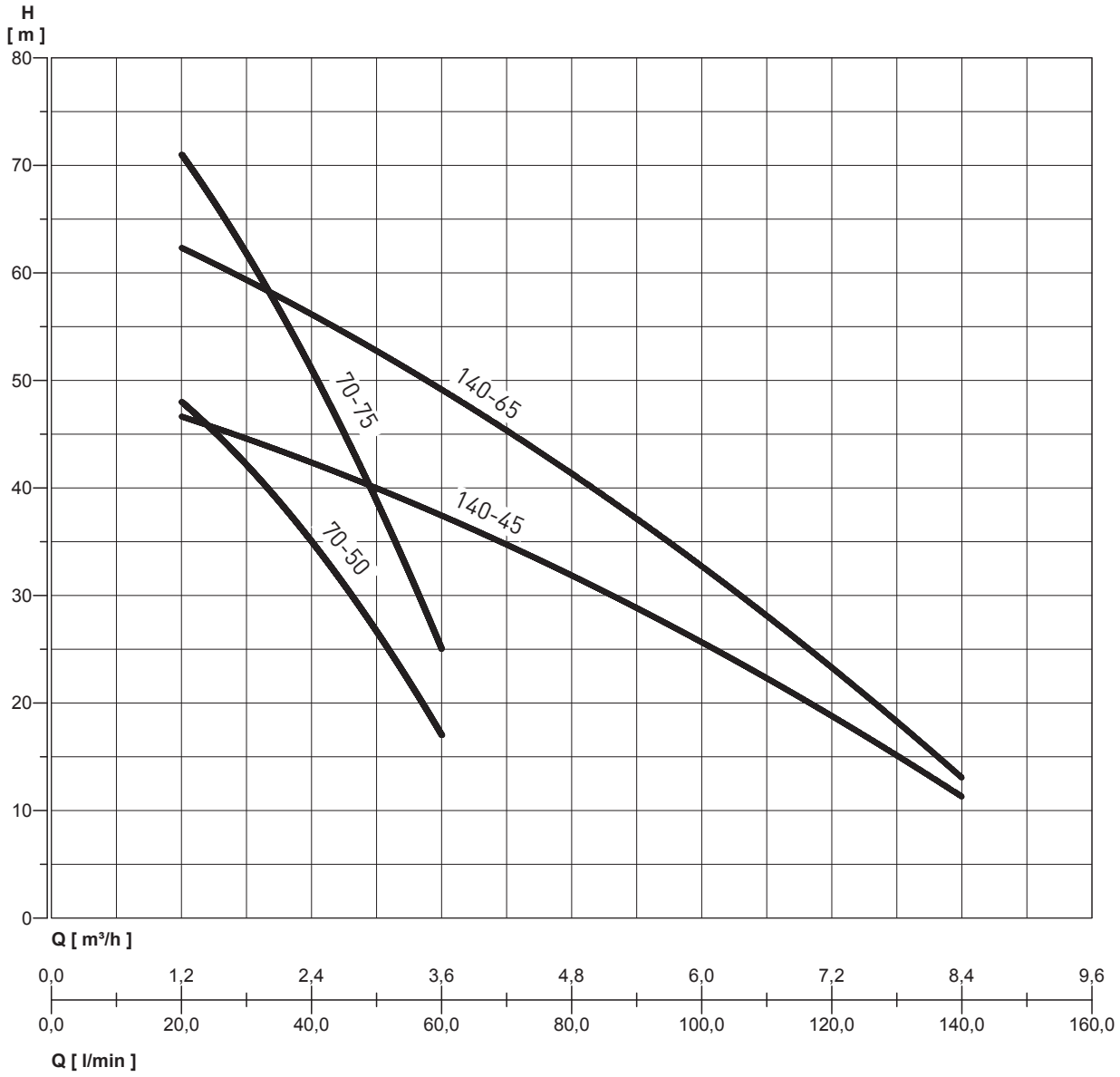
HYDRAULIC PERFORMANCE



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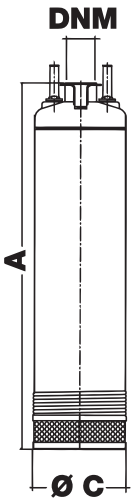
PERFORMANCE TABLE

MODEL	Motor power (P2)		Motor power (P1)		VOLT. (V)	In (A)	µF	Stges	Q	l/min	0	20	40	60	80	100	120	140
	HP	kW	HP	kW						m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4
DOMINATOR 5" 70/50B M	0,8	0,6	1,2	0,9	1 ~ 230	4	16	6	m.c.w.		55	48	35	17				
DOMINATOR 5" 70/50B M AUT					1 ~ 230	4	16											
DOMINATOR 5" 70/50B T					3 ~ 400	1,8	-											
DOMINATOR 5" 70/50B T					3 ~ 230	3	-											
DOMINATOR 5" 70/75B M	1,2	0,9	1,7	1,3	1 ~ 230	6	20	9			78	71	51	25				
DOMINATOR 5" 70/75B M AUT					1 ~ 230	6	20											
DOMINATOR 5" 70/75B T					3 ~ 400	2,1	-											
DOMINATOR 5" 70/75B T					3 ~ 230	3,7	-											
DOMINATOR 5" 140/45B M	1,1	0,8	1,6	1,2	1 ~ 230	5,5	16	5			50	47	42	37	32	26	19	11
DOMINATOR 5" 140/45B M AUT					1 ~ 230	5,5	16											
DOMINATOR 5" 140/45B T					3 ~ 400	2,2	-											
DOMINATOR 5" 140/45B T					3 ~ 230	3,8	-											
DOMINATOR 5" 140/65B M	1,5	1,1	2,1	1,6	1 ~ 230	7,2	20	7			68	63	55	49	42	33	23	13
DOMINATOR 5" 140/65B M AUT					1 ~ 230	7,2	20											
DOMINATOR 5" 140/65B T					3 ~ 400	2,5	-											
DOMINATOR 5" 140/65B T					3 ~ 230	4,4	-											



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.				WEIGHT (Kg)
	A	Ø C	Free passage	DNM	
D 5” - 70/50	475	132	2 mm	1”1/4	13.7
D 5” - 70/75	530	132	2 mm	1”1/4	15.5
D 5” - 140/45	495	132	2 mm	1”1/4	14.2
D 5” - 140/65	550	132	2 mm	1”1/4	15.8