

DOMINATOR 5

SUBMERSIBLE MULTISTAGE CENTRIFUGAL PUMP FOR CLEAR WATER



The DOMINATOR 5" submersible pumps are suitable for installation in traditional wells, water deposits, collection tanks, clear watercourses, lakes etc. Automatic version equipped with float switch.

- **COMPLETELY IN STAINLESS STEEL**

Applications

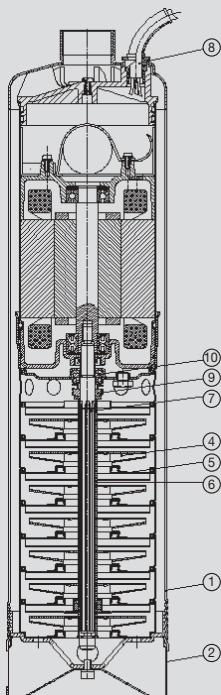
- Pumping of water from traditional wells
- Domestic tank installations for boosting domestic drinking water systems
- Small-scale automatic systems for garden irrigation
- Surface irrigation

Usage limitations

- Type of liquid: clean water with no suspended solids or abrasive material
- Maximum liquid temperature 40° C
- Maximum submersion under the water level 20 m

Motor

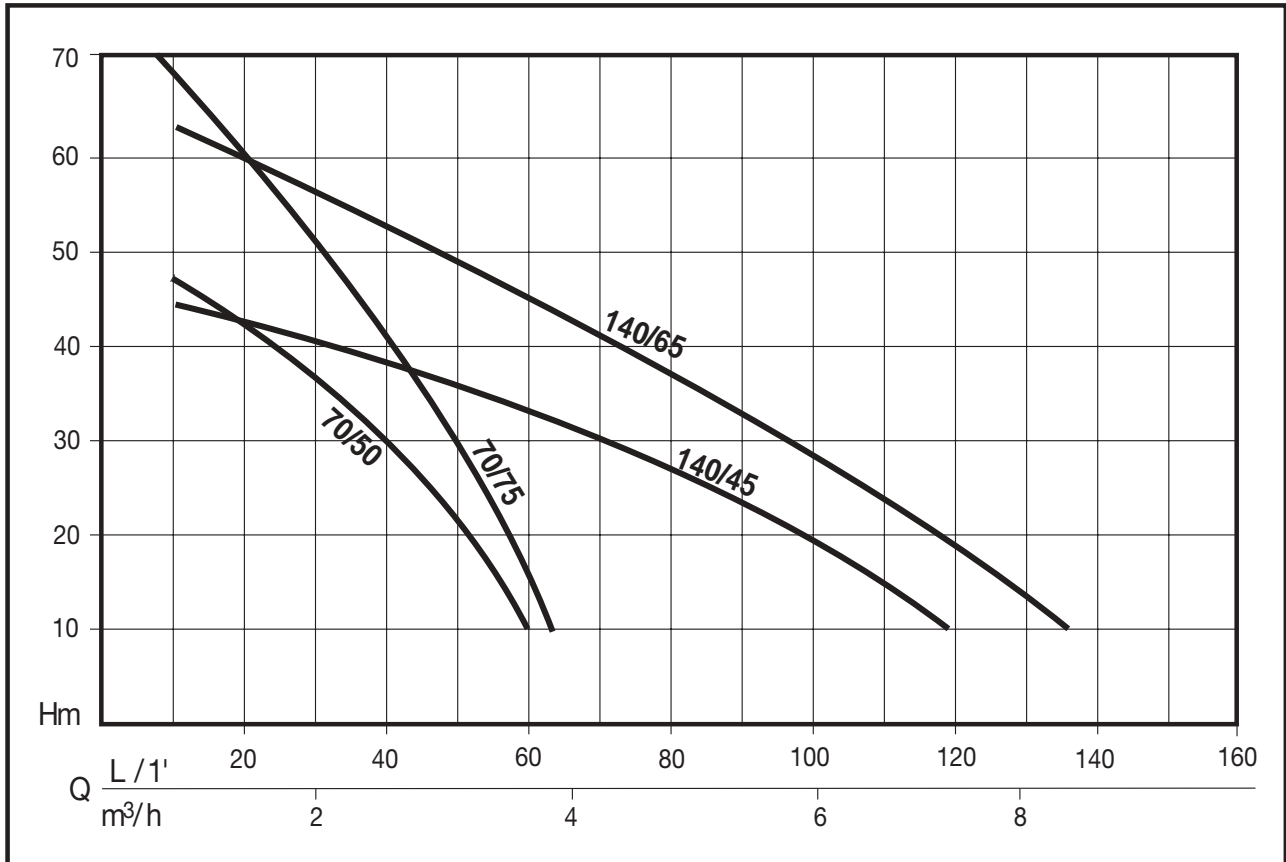
- Dry motor with stainless steel casing cooled by the pumped liquid
- Level of protection IP 68
- Class F insulation
- Single phase supply with capacitor permanently activated
- Thermal protection built into the motor winding
- Completely insulated cable connection chamber
- Self-lubricating ball bearings
- Speed of rotation 2850 rpm
- Suitable for continuous use



DESIGN FEATURES

Component	Material	
1 Pump casing	X 5 CrNi 1810 (AISI 304) Stainless steel	
2 Suction grid	X 5 CrNi 1810 (AISI 304) Stainless steel	
4 Impeller	X 5 CrNi 1810 (AISI 304) Stainless steel	
5 Diffuser	X 5 CrNi 1810 (AISI 304) Stainless steel	
6 Spacer	X 5 CrNi 1810 (AISI 304) Stainless steel	
7 Motor shaft	X CrNiMo 17-12-03 (AISI 316) Stainless steel	
8 Power cable	20 m H07 RN-F with plug	
9 Mechanical seal	Graphite	Oil chamber for seal lubrication
10 Counterface	Aluminium oxide	

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE	Amp.	µF.	N° Stages	Q	Discharge head in meters													
		HP	kW	HP	kW						L/1'	0	20	40	60	80	100	120	140					
N3191000	D 5" - 70/50 M	1	0.7	1.3	0.95	1 ~ 220 ÷ 240 V	4.5	16	6	Discharge head in meters	50.6	42.5	29.3	7.5										
N3191010	D 5" - 70/50 M AUT					3 ~ 400 V	1.8																	
N3191080	D 5" - 70/50 T					3 ~ 230 V	3																	
N3191150	D 5" - 70/50 T																							
N3191020	D 5" - 70/75 M	1.4	1	2	1.45	1 ~ 220 ÷ 240 V	6.5	20	9		75	60.7	41.4	17.2										
N3191030	D 5" - 70/75 M AUT					3 ~ 400 V	2.1																	
N3191090	D 5" - 70/75 T					3 ~ 230 V	3.7																	
N3191140	D 5" - 70/75 T																							
N3191040	D 5" - 140/45 M	1.2	0.9	1.8	1.3	1 ~ 220 ÷ 240 V	5.5	16	5		Discharge head in meters	45.8	43.3	38.4	33.3	28	21.8	15.2	7.4					
N3191050	D 5" - 140/45 M AUT					3 ~ 400 V	2																	
N3191100	D 5" - 140/45 T					3 ~ 230 V	4																	
N3191170	D 5" - 140/45 T																							
N3191060	D 5" - 140/65 M	1.5	1.1	2.3	1.7	1 ~ 220 ÷ 240 V	7.5	20	7			Discharge head in meters	64.5	60.2	53.5	46	38	27.9	18.2	7.6				
N3191070	D 5" - 140/65 M AUT					3 ~ 400 V	2.6																	
N3191110	D 5" - 140/65 T					3 ~ 230 V	4.5																	
N3191160	D 5" - 140/65 T																							

TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.				Weight kg
	A	Ø C	Free Bore	DNM	
DOMINATOR 5" - 70/50	470	132	2 mm	1"1/4	13.7
DOMINATOR 5" - 70/75	520	132	2 mm	1"1/4	15.5
DOMINATOR 5" - 140/45	495	132	2 mm	1"1/4	14.2
DOMINATOR 5" - 140/65	550	132	2 mm	1"1/4	15.8

