

DOMINATOR 5

SUBMERSIBLE MULTISTAGE CENTRIFUGAL PUMP FOR CLEAR WATER

New!



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**
- **HIGH RELIABILITY**
- **HIGH QUALITY**

Applications

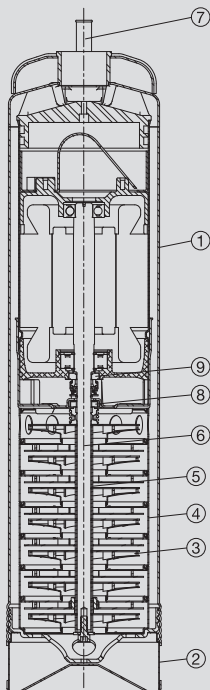
- Pumping of water from traditional wells
- Domestic tank installations for boosting domestic drinking water systems
- Small-scale automatic systems for garden irrigation
- Surface irrigation

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

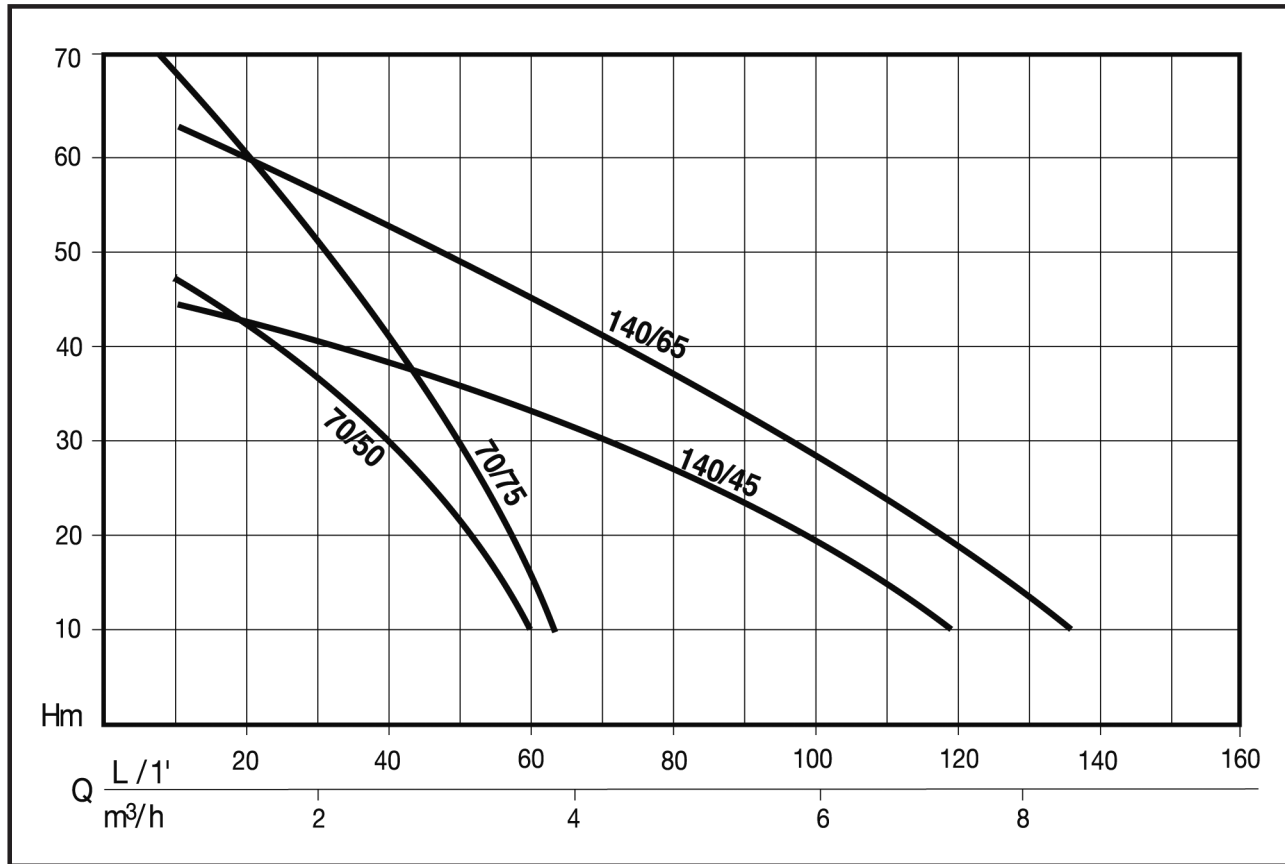
- Dry motor with stainless steel casing cooled by the pumped liquid
- Level of protection IP 68
- Class F insulation
- Single phase supply with capacitor permanently activated
- Thermal protection built into the motor winding
- Completely insulated cable connection chamber
- Self-lubricating ball bearings
- 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
3 Impeller	X 5 CrNi 1810 (AISI 304) Stainless steel
4 Diffuser	X 5 CrNi 1810 (AISI 304) Stainless steel
5 Spacer	X 5 CrNi 1810 (AISI 304) Stainless steel
6 Shaft	X 5 CrNi 1810 (AISI 304) Stainless steel
7 Power cable	20 m H07 RN-F with plug
8 Mechanical seal pump side	carbon graphite resin impreg. Al-Oxide counterface with NBR rubber
9 Mechanical seal motor side	carbon graphite resin impreg. Al-Oxide counterface with NBR rubber

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

COD.	MOD.	P2 (out)		P1 (in)		Volt V	In A	µF	Stadi Stages	L/1' Q	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		
N3191230 N3191240	DOMINATOR 5" 70/50B M DOMINATOR 5" 70/50B M AUT	0.6	0.8	1.2	0.9	1 ~ 230	4	16	6	m.c.a. / m.c.w.	50.6	42.5	29.3	7.5							
N3191250	DOMINATOR 5" 70/50B T					3 ~ 400	1.8														
N3191260	DOMINATOR 5" 70/50B T					3 ~ 230	3														
N3191220 N3191270	DOMINATOR 5" 70/75B M DOMINATOR 5" 70/75B M AUT	1.2	0.9	2	1.45	1 ~ 230	6	20	9		75	60.7	41.4	17.2							
N3191280	DOMINATOR 5" 70/75B T					3 ~ 400	2.1														
N3191290	DOMINATOR 5" 70/75B T					3 ~ 230	3.7														
N3191210 N3191300	DOMINATOR 5" 140/45B M DOMINATOR 5" 140/45B M AUT	1.1	0.8	1.8	1.3	1 ~ 230	5.5	16	5		44	42	38.4	33.3	28	21.8	15.2	7.4			
N3191310	DOMINATOR 5" 140/45B T					3 ~ 400	2														
N3191320	DOMINATOR 5" 140/45B T					3 ~ 230	3.5														
N3191200 N3191330	DOMINATOR 5" 140/65B M DOMINATOR 5" 140/65B M AUT	1.5	1.1	2.3	1.7	1 ~ 230	7.2	20	7		62	57	51	45	38	27.9	18.2	9			
N3191340	DOMINATOR 5" 140/65B T					3 ~ 400	2.5														
N3191350	DOMINATOR 5" 140/65B T					3 ~ 230	4.4														

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

