TITAN

Submersible electric pumps for lightly sandy foul wastewater drainage

Alternated continue service

Pump head: 10,5 mt ÷ 16,5 mt.
Delivery: 18,0 m³/h ÷ 24,0 m³/h
Rated output: 0,6 kW (0,8 HP) ÷ 1,1 kW (1,5 HP)

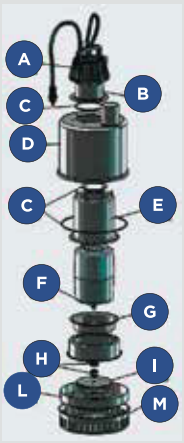
Applications
- Cellar, garage and basement pump out.
- Particularly suited to construction work sites
- Swimming pools, all sorts of vats, tanks and resevoir Pump out.
- Garden and vegetable-garden irrigatio

Design engineering
- Double chamber electric pump (motor, mechanical seal).
- Oil bath motor (biodegradable and dielectric) for cooling and bearing lubrication.
- Sealing ring - engine face.
- Oil bath mechanical seals.
- Permissible draught of water: 5 m
- IP 68 protection class.
- Class F insulation
- Max. Pumped liquid temperature: 35°c.
- By pass section: 10 mm.

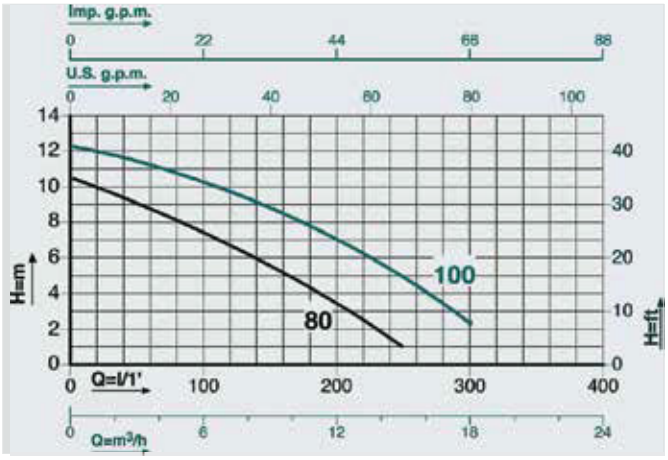
- Versions: Single phase: 220-277v/50hz or 220-277v/60hz with b in thermal protection and permanent capacitor. Three phase: 220-277v/50hz or 380-480v/50hz and 2 60hz or 380-480v/60hz with overload protection care of the user.
- Automatic single phase versions with floater or manual Without floater.
- Standard cable features: Single phase: 5 metres the standard Version (automatic - manual). Three phase: 10 metres

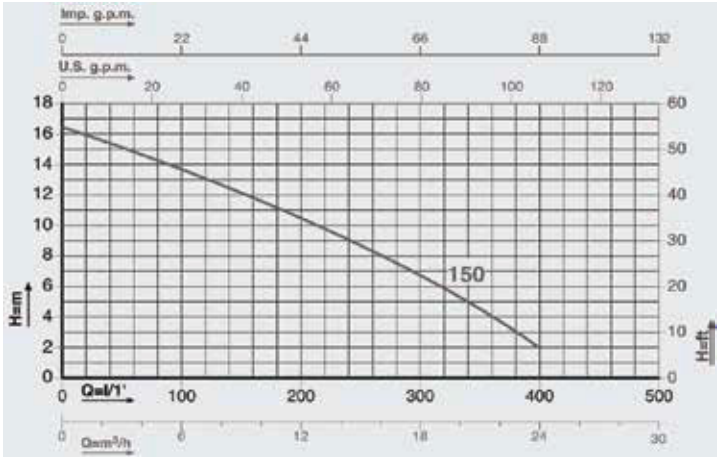
Customised voltage and frequency rating available on demand.
- Performances: at 2800 rpm 50 Hz and 3450 rpm 60 Hz
- The performance data holds true for liquids: p = 1,0 kg/dm3 density and a v= 1 mm2/s viscosity.

Materials table:

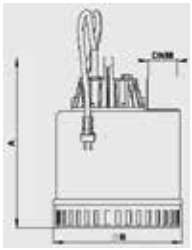


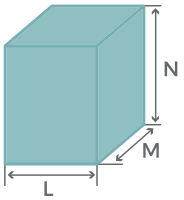
Pos.	COMPONENTS.		MATERIALS
A	Cover		Tecnopolymer
B	Undercover		**aisi304 -** Din 1.4301 Stainless steel
C	O-ring		
D	External motor		**aisi304 -** Din 1.4301 /Stainless steel
E	Motor housing		**aisi304 -** Din 1.4301 /Stainless steel
F	Shaft (pump side)	TITAN 80	**aisi416 -** Din 1.4405 /Stainless steel
		TITAN 100-150	**aisi316 -** Din 1.4401 /Stainless steel
G	Motor holder		**aisi304 -** Din 1.4301 /Stainless steel
H	Mechanical seal	Motor face	Nbr seal ring
		Pump face	Graphite - ceramic
I	impeller		
L	Diffuser		**aisi304 -** Din 1.4301/stainless steel
M	Suction base		





MODEL	VOLTAGE	ELETRICAL DATA						HYDRAULIC								
		P1 max	**P2** nom.		**I** max	condensatore		m ³/h	0	3	6	9	12	15	18	21	24
	50HZ	kW	kW	HP	Ampere	µF	VC	l/min.	0	50	100	150	200	250	300	350	400
TITAN 80 M	1 x 220 -230V	1,1	0,6	0,8	4,5	16,0	450		**10,5**	**9,0**	**8,0**	**5,5**	**3,5**	**1,0**	**-**	**-**	**-**
TITAN 100 M	1 x 220 -230V	1,5	0,75	1,0	6,5	20,0	450		**12,5**	**11,5**	**10,5**	**9,0**	**7,0**	**5,0**	**2,5**	**-**	**-**
TITAN 100 M	3 x 380 -400V	1,3	0,75	1,0	2,6	-	-	**H** (m)	**12,5**	**11,5**	**10,5**	**9,0**	**7,0**	**5,0**	**2,5**	**-**	**-**
TITAN 150 M	1 x 220 -230V	2,2	1,1	1,5	10,6	30,0	450		**16,5**	**15,0**	**14,0**	**12,0**	**11,0**	**9,0**	**7,0**	**4,5**	**2,0**
TITAN 150 M	3 x 380 -400V	2,0	1,1	1,5	3,3	-	-		**16,5**	**15,0**	**14,0**	**12,0**	**11,0**	**9,0**	**7,0**	**4,5**	**2,0**





MODEL	PUMP DIMENSION IN mm		
	DNM	**A**	**B**
TITAN 80	1"1/2	293	213
TITAN 100	1"1/2	293	213
TITAN 100	2"	333	213

MODEL	PACKING DIMENSION			
	L mm	**M** mm	**N** mm	
TITAN 80	220	320	340	8,5
TITAN 100	220	320	340	10,5
TITAN 100	250	290	460	18,5