



Помпа потопяема дренажна за фекални и отпадни води City Pumps TITAN 10/45M

RANGE OF PERFORMANCE

Flow rate up to 500 l/min (30 m³/h)
Head up to 15 m

LIMITS OF USE

Depth up to 10 m
Liquid temperature up to + 40°C
Passage of solid bodies max Ø 35 mm for TITAN/35
Passage of solid bodies max Ø 45 mm for TITAN/45
For continuous duty: minimum immersion 290 mm from pump base

INSTALLATION AND USE

THE PUMPS IN THE TITAN SERIES ARE MADE OF EXCEPTIONALLY ROBUST HEAVY-GAUGE CAST IRON, RESISTANT TO ABRASION AND ARE EQUIPPED WITH A VORTEX TYPE IMPELLER. THEY ARE RECOMMENDED FOR DRAINING WASTE WATER CONTAINING SUSPENDED SOLID BODIES, SEWAGE AND WATER MIXED WITH MUD.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- PUMP BODY:** cast iron, with threaded port ISO 228/1.

- MOTOR CASING AND BASE:** cast iron.
- IMPELLER:** vortex in stainless steel AISI 304.
- MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- DOUBLE SEAL:** mechanical seals silicon carbide - ceramic - NBR, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- MOTOR:** submersible asynchronous for continuous duty.
TITAN M: single-phase 220÷240 V - 50 Hz with thermal overload protector.
TITAN: three-phase 380÷415 V - 50 Hz.
- INSULATION:** class F.
- PROTECTION:** IP 68.

STANDARD FEATURES:

- TITAN M** (single-phase)
 - Float switch.
 - Neoprene power cable "H07 RN-F" length 10 metres with Schuko plug.
 - Control box with capacitor (Protection IP 64).
- TITAN** (three-phase)
 - Neoprene power cable "H07 RN-F" length 10 metres.

OPTIONS ON REQUEST

- ⇒ control box for three-phase pumps 1.1 kW
- ⇒ single-phase pumps without float switch
- ⇒ other voltages or frequency 60 Hz



CONSTRUCTION AND SAFETY STANDARDS

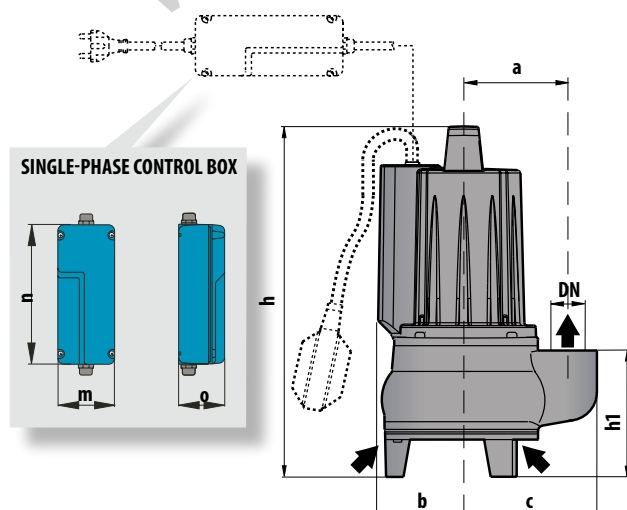
EN 60034-1

IEC 34-1

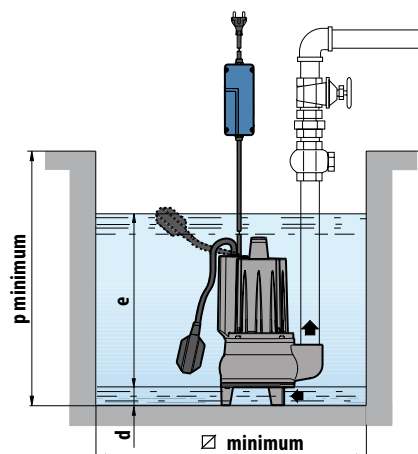
CEI 2-3



DIMENSIONS



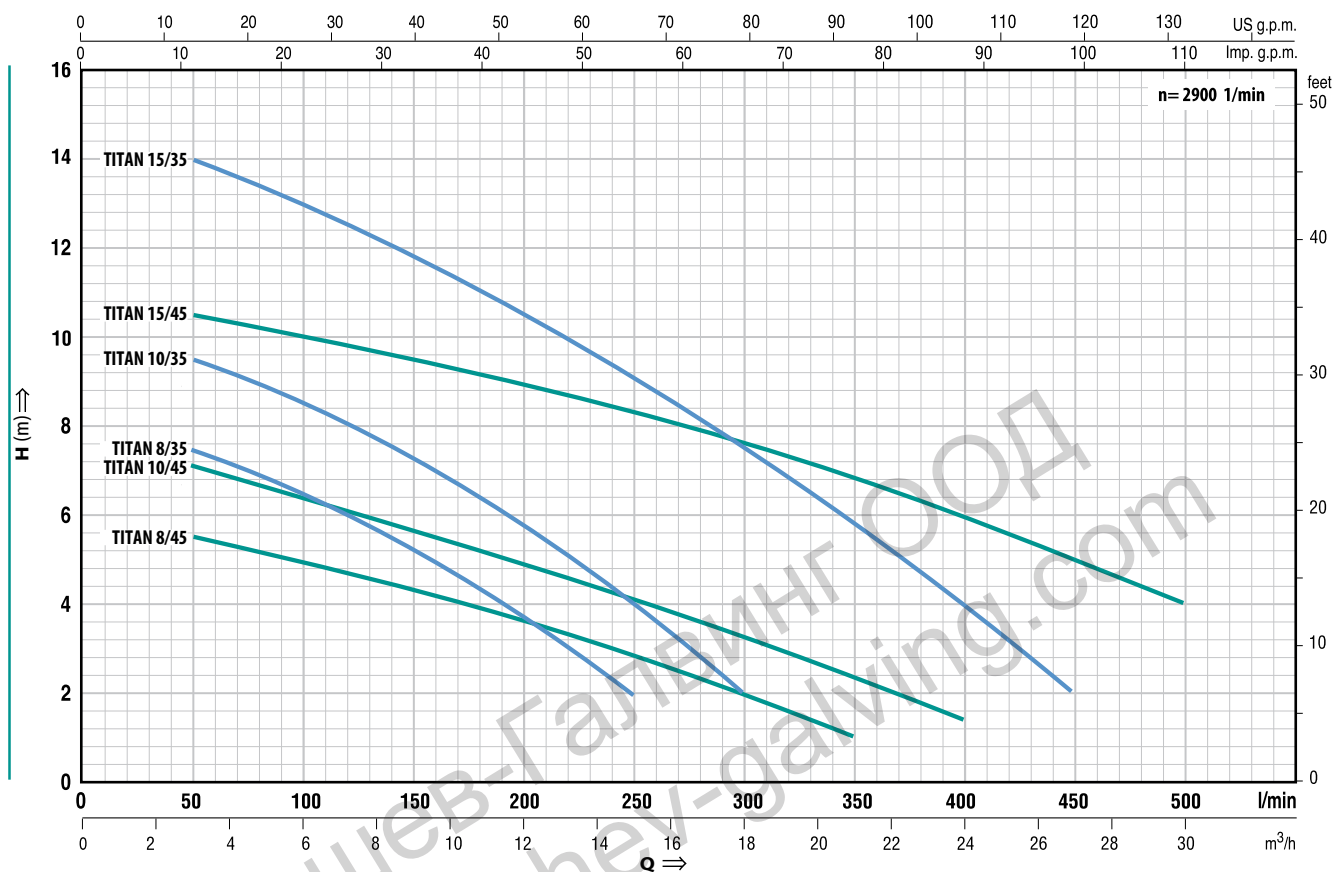
Typical installation





TITAN 35-45

VORTEX submersible pumps



Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

TYPE		POWER		m³/h l/min	0	3	6	9	12	15	18	21	24	27	30
Single-phase	Three-phase	kW	HP		0	50	100	150	200	250	300	350	400	450	500
TITAN 8/35M	---	0.60	0.85	H metres	8.4	7.5	6.5	5.2	3.7	2					
TITAN 10/35M	TITAN 10/35	0.75	1		10	9.5	8.5	7.2	5.8	4	2				
TITAN 15/35M	TITAN 15/35	1.1	1.5		15	14	13	11.8	10.5	9	7.5	6	4	2	
TITAN 8/45M	---	0.60	0.85		6	5.5	5	4.4	3.6	2.8	2	1			
TITAN 10/45M	TITAN 10/45	0.75	1		7.5	7	6.5	5.8	5	4	3.2	2.4	1.5		
TITAN 15/45M	TITAN 15/45	1.1	1.5		11	10.5	10	9.5	9	8.3	7.5	6.8	6	5	4

DIMENSIONS AND WEIGHTS

TYPE		PORT DN	passage of solid bodies	DIMENSIONS mm												kg	
Single-phase	Three-phase			a	b	c	h	h1	m	n	o	d	e	p	∅	1~	3~
TITAN 8/35M	---	1 1/2"	Ø 35 mm	105	90	137	350	123	81	200	66	40	adjust- able	500	500	17.0	-
TITAN 10/35M	TITAN 10/35				92	143	370	133								18.7	17.1
TITAN 15/35M	TITAN 15/35															20.9	19.8
TITAN 8/45M	---	2"	Ø 45 mm	110	90	150	375	148				55				18.0	-
TITAN 10/45M	TITAN 10/45															19.7	18.0
TITAN 15/45M	TITAN 15/45			120	97	163	395	153								21.9	20.8