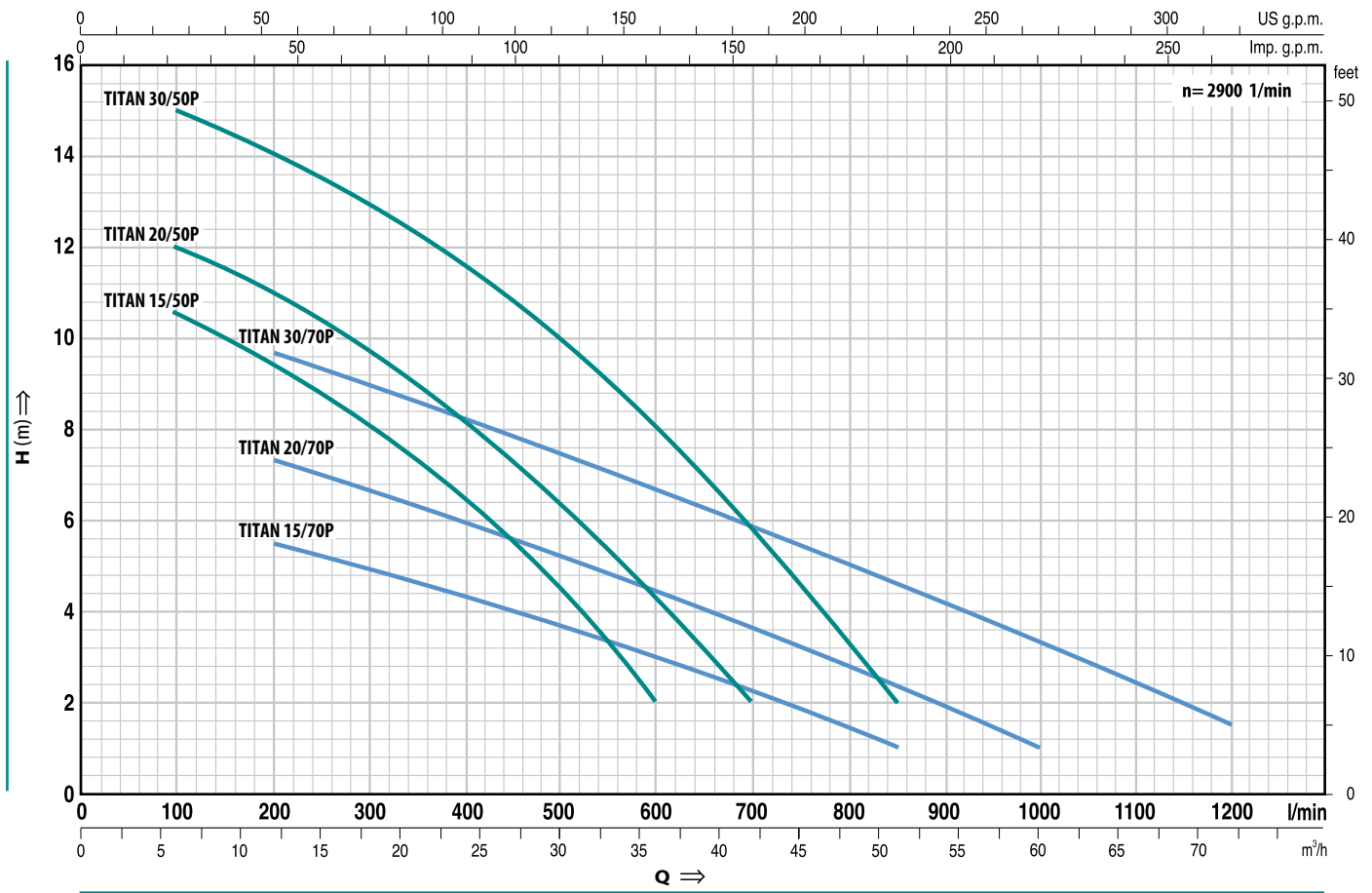




stationary version
TITAN P
VORTEX submersible pumps



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	H metres																	
Single-phase	Three-phase	kW	HP		0	6	12	18	21	24	27	30	36	42	48	51	54	60	66	72		
				0	100	200	300	350	400	450	500	600	700	800	850	900	1000	1100	1200			
TITAN 15/50PM	TITAN 15/50P	1.1	1.5	H metres	11.5	10.5	9.5	8.2	7.2	6.5	5.6	4.5	2									
TITAN 20/50PM	TITAN 20/50P	1.5	2		13	12	11	9.5	9	8	7.2	6.5	4.5	2								
TITAN 30/50PM	TITAN 30/50P	2.2	3		16	15	14	13	12.3	11.5	10.8	10	8	5.9	3.3	2						
TITAN 15/70PM	TITAN 15/70P	1.1	1.5		6.5	---	5.5	5	4.7	4.4	4	3.7	3	2.2	1.5	1						
TITAN 20/70PM	TITAN 20/70P	1.5	2		8.5	---	7.4	6.7	6.3	6	5.6	5.2	4.5	3.6	2.8	2.4	2	1				
TITAN 30/70PM	TITAN 30/70P	2.2	3		11	---	9.7	9	8.6	8.2	7.8	7.5	6.7	5.8	5	4.6	4.2	3.3	2.5	1.5		

DIMENSIONS AND WEIGHTS

TYPE		PORT DN	passage of solid bodies	DIMENSIONS mm											kg*	
Single-phase	Three-phase			a	b	c	d	e	f	g	h	m	n	w	1~	3~
TITAN 15/50PM	TITAN 15/50P	2 1/2"	Ø 50 mm	60	116	51	501	62	270	10	387	200	120	72	42.0	40.0
TITAN 20/50PM	TITAN 20/50P										397/387				43.8	42.3
TITAN 30/50PM	TITAN 30/50P														49.7	43.8
TITAN 15/70PM	TITAN 15/70P	3"	Ø 70 mm		150	70	585	95	300		405	256	150	92	53.0	50.7
TITAN 20/70PM	TITAN 20/70P														54.9	53.0
TITAN 30/70PM	TITAN 30/70P														415/405	61.1

(*weight including counterflange)



RANGE OF PERFORMANCE

Flow rate up to 1200 l/min (72 m³/h)

Head up to 16 m

LIMITS OF USE

Depth up to 10 m

Liquid temperature up to + 40°C

Passage of solid bodies max Ø 50 mm for
TITAN 15-20-30/50 P

Passage of solid bodies max Ø 70 mm for
TITAN 15-20-30/70 P

For continuous duty: minimum immer-
sion 430 mm from pump base

INSTALLATION AND USE

TITAN P SERIES PUMPS ARE MADE OF EXCEPTION-
ALLY ROBUST HEAVY GAUGE CAST IRON, RESIST-
ANT TO ABRASION AND LONG LASTING, AND HAVE
A VORTEX TYPE IMPELLER. THEY ARE SUITABLE
FOR SEWAGE, WASTE WATER AND SLUDGE, IN-
CLUDING WATER CONTAINING SOLIDS OR MUD.
THEY ARE IDEAL FOR FIXED SEWAGE INSTALLA-
TIONS, TUNNELS, UNDERGROUND CARPARKS,
SUMPS AND SIMILAR APPLICATIONS.

GUARANTEE 2 YEARS subject to our general terms
of sale.

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY, MOTOR CASING AND BASE PED-
ESTAL:** cast iron.
- **IMPELLER:** vortex in cast iron.
- **BASE:** stainless steel AISI 304.

• MOTOR SHAFT:

stainless steel EN 10088-3 - 1.4057.

• DOUBLE SEAL:

mechanical seal **silicon carbide - widia - NBR**,
with oil barrier chamber and inner lip seal to
protect the seal in the event of dry running.

• MOTOR:

submersible asynchronous, 2 pole, for
continuous duty.
TITAN P M: single-phase 220÷240 V - 50 Hz
Models up to 1.5 kW have built in thermal protec-
tion. 2.2 kW single-phase versions have a thermal
protector provided in the winding for connection
to the control box.

TITAN P: three-phase 380÷415 V - 50 Hz. Thermal
protectors are provided in the winding for connec-
tion to the external control panel

• INSULATION:

class F.

• PROTECTION:

IP 68.

STANDARD FEATURES:

- Base pedestal elbow (duct foot)
- Threaded delivery counterflange
- Top supports for guide tubes

TITAN P M (single-phase)

- Float switch.
- **10m** "H07 RN-F" submersible power cable with
Schuko plug.
- 1.1 to 1.5 kW models are supplied with control box
with capacitor and manual reset motor protector.
2.2 kW models are supplied with control box type
QES 300 MONO.

TITAN P (three-phase)

- **10m** "H07 RN-F" neoprene power cable

OPTIONS ON REQUEST

- ⇒ control box for three-phase pumps
- ⇒ dual voltage: 230/400 V or 400/690 V
- ⇒ single-phase versions without float switch
- ⇒ other voltages or frequency 60 Hz

CONSTRUCTION AND SAFETY STANDARDS

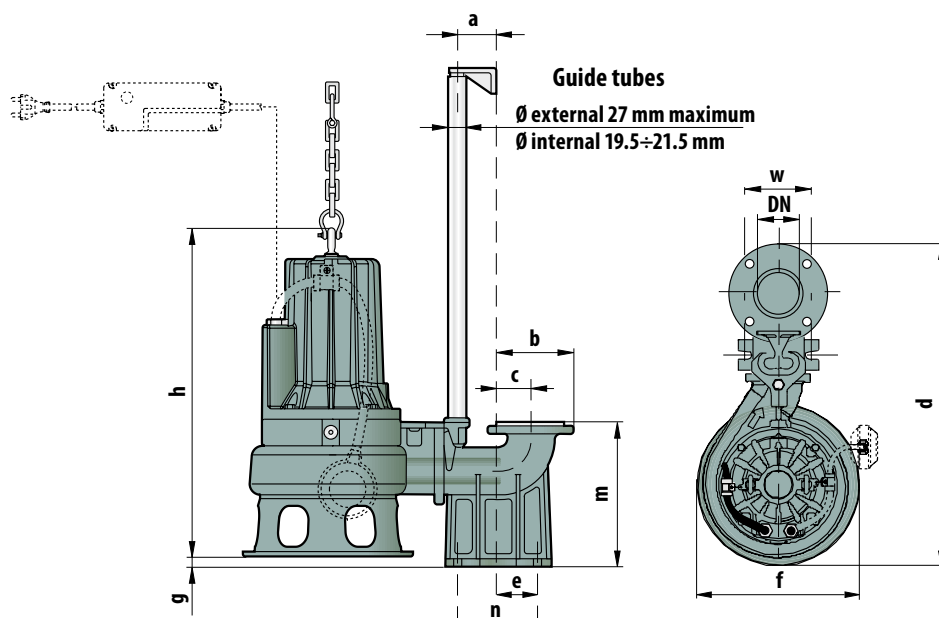
EN 60034-1

IEC 34-1

CEI 2-3



DIMENSIONS



Typical installation

