AMOS

Water & Sewage
Pumping and
Treatment Engineers

The Pump People.

Amos Pumps (UK) Ltd
Wendron, Helston,
Cornwall. TR13 0PY
Tel: 01326-573341
Email: info@amospumps.com
Web site: amospumps.com

City Titan Submersible Sewage Pumps

**********Technical Data Sheet

General Characteristics

The Titan pump is suitable for conveying civil or industrial sewage and pumping storm water from large flooded areas such as tunnels and car parks. Pump and motor casing are made from cast iron to stand up to the most severe working conditions, the motor has double winding impregnation for longer working life, the heavy duty mechanical seal is made from widia/silicon carbide for maximum wear and abrasion resistance, it is also fitted with a vortex impeller. These are popular in Sewage Packaged Pumping Stations that offer an inexpensive solution to many pumping problems.
The incorporated float switch is adjustable giving various pumping depths.

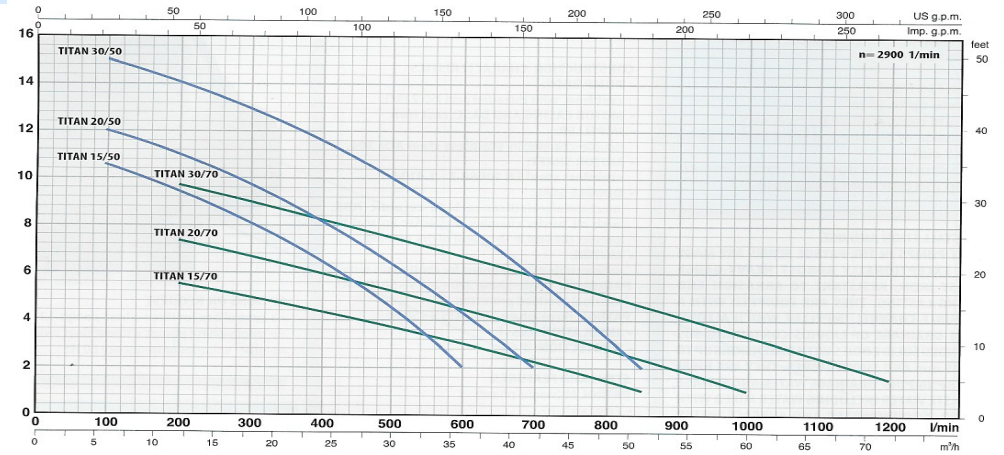
Free Standing Titan 20, single phase

FEATURES
Double seal with oil chamber; IP68 motor rating; induction motor; single phase version has control box with capacitor and manual/reset thermal overload, three phase version also available. Suitable for continuous service with partially submersed motor (minimum 350mm)

COMPONENTS	MATERIALS
Motor casing	Cast iron G20
Pump body	Cast iron G20
Base	Cast iron G20
Discharge connector	Cast iron G20
Guides	Cast iron G20
Impeller (vortex)	Cast iron G20
Screws	Stainless steel AISI 304
Motor shaft	Stainless steel AISI 316
Mechanical seal	Widia/silicon carbide
Handle	Stainless steel AISI 304/Nylon
Supply cable	H07RNF[1] (10 m)

1) FG5 0K 4 x 1.5 mm² + 2 x 0.5 mm² for three phase versions

Titan Pedestal arrangement



Outlets

Free Standing and Guide Rail pumps have either 2" or 3" outlets, all are directed upwards.

Leaflet City Titan June06

AMOS PUMPS
almost anything
The Pump People.

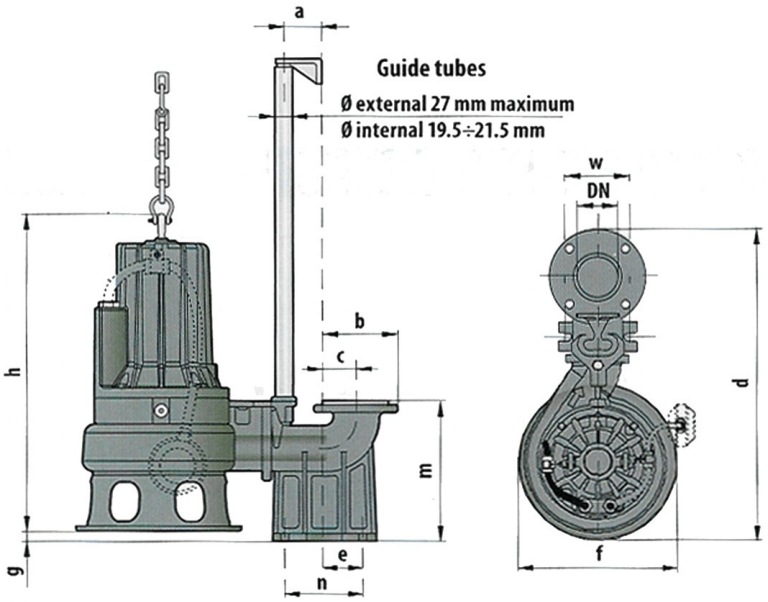
City Titan
Submersible Sewage Pumps

Q = Flow rate H = Total manometric head

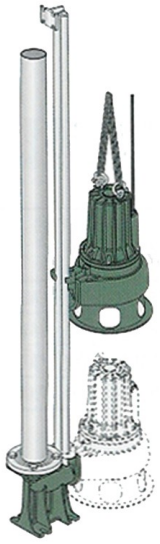
Tolerance of the performance curves according to EN ISO 9906 App. A.

TYPE		POWER		m³/h	0	6	12	18	21	24	30	36	42	48	51	54	60	66	72
Single-phase	Three-phase	kW	HP	l/min	0	100	200	300	350	400	500	600	700	800	850	900	1000	1100	1200
TITAN 15/50M	TITAN 15/50	1.1	1.5		11.5	10.5	9.5	8.2	7.2	6.5	4.5	2							
TITAN 20/50M	TITAN 20/50	1.5	2		13	12	11	9.5	9	8	6.5	4.5	2						
TITAN 30/50M	TITAN 30/50	2.2	3		16	15	14	13	12.3	11.5	10	8	5.9	3.3	2				
TITAN 15/70M	TITAN 15/70	1.1	1.5	H metres	6.5	---	5.5	5	4.7	4.4	3.7	3	2.2	1.5	1				
TITAN 20/70M	TITAN 20/70	1.5	2		8.5	---	7.4	6.7	6.3	6	5.2	4.5	3.6	2.8	2.4	2	1		
TITAN 30/70M	TITAN 30/70	2.2	3		11	---	9.7	9	8.6	8.2	7.5	6.7	5.8	5	4.6	4.2	3.3	2.5	1.5

DIMENSIONS



Typical installation



DIMENSIONS AND WEIGHTS

TYPE		PORT	passage of solid bodies	DIMENSIONS mm											kg*	
Single-phase	Three-phase	DN		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														43.8	42.3
TITAN 30/50PM	TITAN 30/50P										397/387				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	55.2

(*weight including counterflange)