TRITUS Submersible pumps with grinder

Sewage
Domestic use
Industrial use



TRm 1.3



TRm 2.2 AP

PERFORMANCE RANGE

- Flow rate up to **430 l/min** (25.8 m³/h)
- Head up to **55 m**

INSTALLATION AND USE

The **TRITUS** is constructed from thick cast iron, offering exceptional robustness, abrasion resistance, and longevity. The pumps are equipped with a robust, **hardened stainless steel blade**, expertly designed to cut through solids and fibers found in **domestic and civil** wastewater and sewage, for pressurized transfer of materials into sewage systems via small-diameter piping.

INCLUDES

※ Power cable length **10 m**
※ Float switch (exclusive to single-phase models)
※ Switchbox compatible with single-phase versions
※ For **TR5** and **TR6** internal probes that detect the presence of water in the oil chamber

APPLICATION LIMITS

- Depth below water level up to **10 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Draining capability from bottom up to:
  – **85 mm for** 0.75, 0.9, 1.1, 1.3
  – **95 mm for** 1.5, 2.2, TR 2.2 AP, TR 3 AP, TR 3, TR 4
  – **130 mm** per TR 5, TR 6
- **Immersione minima per servizio continuo:**
  – 300 mm for 0.75, 0.9, 1.1, 1.3
  – 350 mm for 1.5, 2.2, TR 2.2 AP, TR 3 AP, TR 3, TR 4
  – 490 mm for TR 5, TR 6

AVAILABLE UPON REQUEST

※ Different voltage requirements 60 Hz frequency

WARRANTY

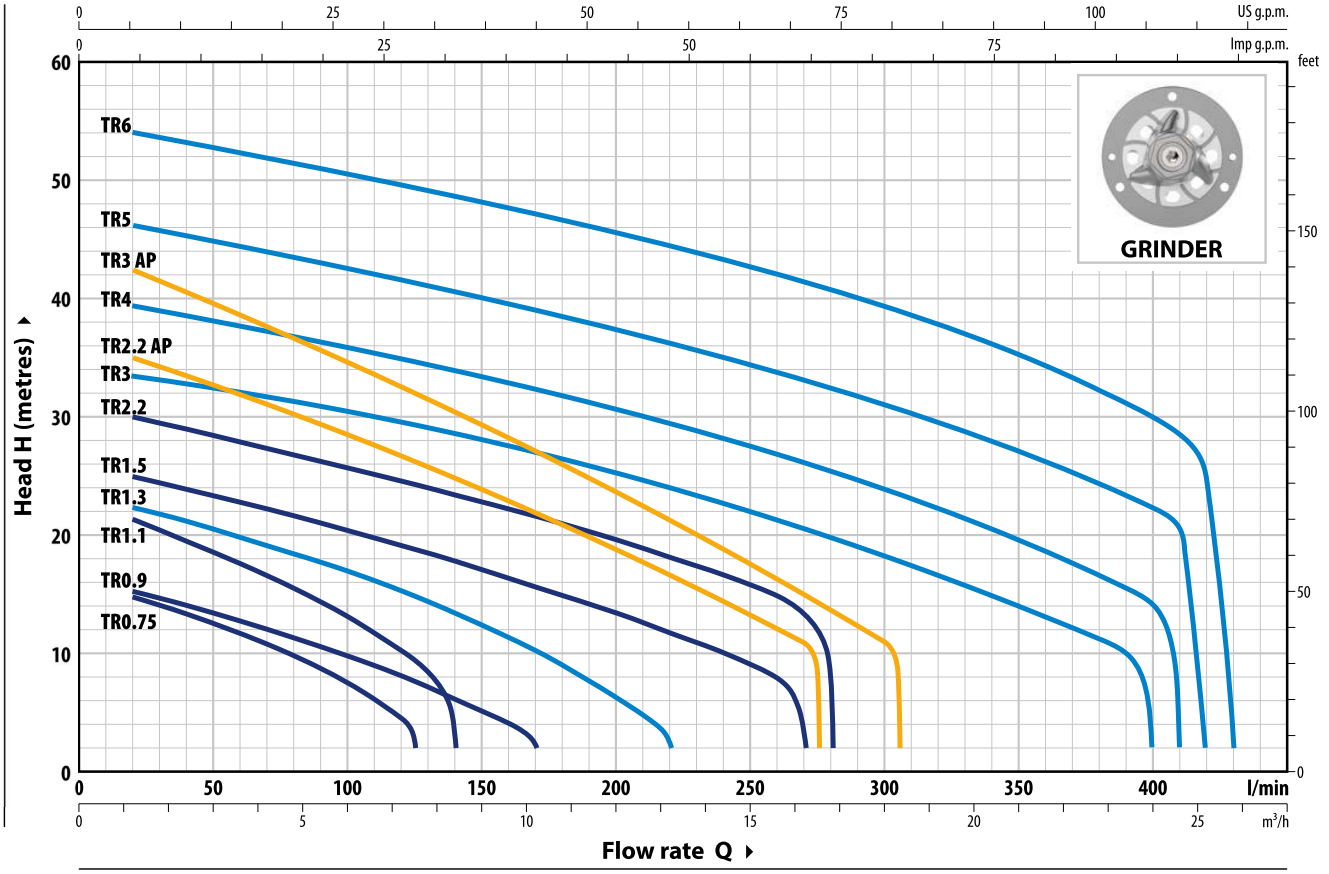
※ **The warranty for the Three-Phase TR 1.5, TR 2.2, TR 2.2 AP, TR3 AP, TR3, TR 4 models remains valid only if the motor's built-in thermal protector is properly connected to the control panel. This connection is essential for the warranty's applicability.**

PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Registered Community Model No. 002501486-0002, 008625685-0005, 008625685-0006
- TRITUS® Registered Trade mark No. 013017181

CURVES AND PERFORMANCE DATA

50 Hz



TYPE		POWER (P2)		Q	m³/h	0	1.2	3	4.8	6	7.5	8.4	10.2	12	13.2	14.4	16.2	16.8
Single-ph.	**Three-ph.**	**kW**	**HP**		l/min	**0**	**20**	**50**	**80**	**100**	**125**	**140**	**170**	**200**	**220**	**240**	**270**	**280**
TRm 0.75	**TR 0.75**	0.75	1	**H**	m	16.5	15	12.7	10	7.5	2							
TRm 0.9	**TR 0.9**	0.9	1.25			16	15	13.2	11	9.6	7.5	6	2					
TRm 1.1	**TR 1.1**	1.1	1.5			23	21.5	18.6	15.5	13	9.5	2						
TRm 1.3	**TR 1.3**	1.3	1.75			23.5	22.5	20.6	18.4	17	14.8	13.4	10.2	6.2	2			
TRm 1.5	**TR 1.5**	1.5	2			26	25	23.4	21.7	20.4	18.8	17.8	15.6	13.4	11.7	10	2	
–	**TR 2.2**	2.2	3			31	30	28.4	26.8	25.7	24.3	23.5	21.5	19.5	18	16.5	13.2	2

TYPE		POWER (P2)		Q	m³/h	0	1.2	3	6	9	12	15	16.5	18	18.3
Single-ph.	**Three-ph.**	**kW**	**HP**		l/min	**0**	**20**	**50**	**100**	**150**	**200**	**250**	**275**	**300**	**305**
TRm 2.2 AP	**TR 2.2 AP**	2.2	3	**H**	m	36.5	35	33	28.5	23.8	18.7	13.2	2		
–	**TR 3 AP**	3	4			44.5	42.5	40	35	29.5	23.7	17.5	14.3	11	2

TYPE	POWER (P2)		Q	m³/h	0	1.2	3	6	9	12	15	18	21	24	24.6
Three-phase	**kW**	**HP**		l/min	**0**	**20**	**50**	**100**	**150**	**200**	**250**	**300**	**350**	**400**	**410**
TR 3	3	4	**H**	m	34.5	33.5	32.5	30.4	28	25.2	22	18.4	14.2	2	
TR 4	4	5.5			40	39.5	38	35.7	33.3	30.6	27.4	23.8	19.4	14.3	2

TYPE	POWER (P2)		Q	m³/h	0	1.2	3	6	9	12	15	18	21	24	25.2	25.8
Three-phase	**kW**	**HP**		l/min	**0**	**20**	**50**	**100**	**150**	**200**	**250**	**300**	**350**	**400**	**420**	**430**
TR 5	5	6.7	**H**	m	47	46	44.7	42.4	40	37.4	34.5	31.1	27.2	22.5	2	
TR 6	6	8			55	54	52.5	50.3	48.1	45.6	42.8	39.5	35.3	30.2	25	2

Q = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.