



PUMP

Pedrollo Tritus Grinder pump are exceptionally robust, heavy duty pump specially designed for shredding solids and fibres found in wastewater and sewage allowing them to pass through small diameter pipes without blockage in domestic, agricultural, industrial and building site applications. The pump is provided with a superior and effective grinder made of hardened, highly resistant AISI 440F stainless steel and the pump body is made from heavy duty cast iron protected with an epoxy electrocoating (TIGm motor casing made of AISI 304 stainless steel). Other features include an open technopolymer impeller for 0.75kW to 1.1kW and AISI 304 stainless steel for the 1.5kW to 3kW pumps, double mechanical seals, a low level float switch with a patented fitting system (single phase pumps) and 10m cable.

MOTOR

The pump is fitted with an integral TEFC motor and powered with a hermetically sealed induction motor with thermal overload protector incorporated into the winding. Single phase pump are supplied complete with an external floatswitch and control box with a manual reset motor protection with a starting and operating condenser while three phase pumps require a remote DOL starter.

Enclosure Class: IPX8

Insulation Class: F

Speed: 2900rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, chemically non-aggressive liquids containing suspended particles

Max. Liquid Temperature: +40°C

Min. Immersion Depth: 250mm -Tritus TIGm), 300mm, 10mm from (Tritus 1.1kW- 3AP), 350mm (Tritus (1.5 - 3AP)

Max. Immersion Depth: 5m (Tritus TIGm), 10m (Tritus 1.1kw - 3AP)

Max Particle Size: 85mm (Tritus TIGm - 1.1), 95mm (Tritus 1.5/2.2/3AP)

PUMP DATA

Model	Power		Voltage (V)	Current (A)	DN (")	Dimensions(mm)					Weight (kg)
	kW	HP				A	B	H	P	N	
Tritus TIGm 0.75	0.75	1	1x240	5.3	1½	115	85	398	500	500	15
Tritus TRm1.1	1.5	2		7.1	1¼	140	104	406			23
Tritus TRm1.5	1.5	2		10	1½	172	105	489	800	800	45
Tritus TR 2.2	2.2	3	5.5	203		126	480	44			
Tritus TR 3 AP	3	4	6.3	53							

