

SUBMERSIBLE AERATORS

TRN

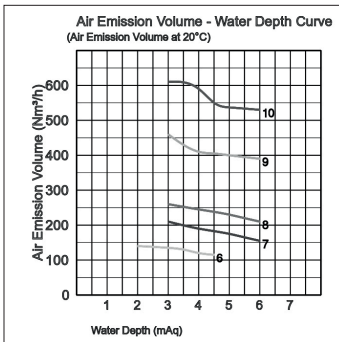
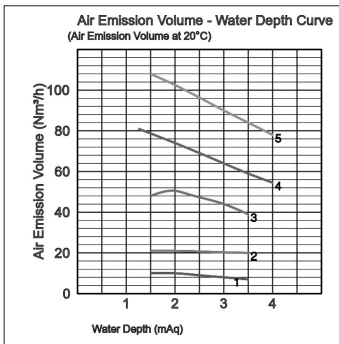
MULTIPLE OUTLETS



The **TRN** series aerators draw air in from negative pressure that has been generated from flow created behind a semi-open impeller. The air drawn from above the wastewater's surface is furiously mixed in with the wastewater under the mechanical force of the impeller and guide vanes, to form tiny bubbles. The aerated flow is equally discharged in all directions and the synergistic effect of the airlift and convection produces a high amount of dissolved oxygen for efficient aeration and agitation. TRN is not capable of anaerobic agitation.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Agriculture | Lakes & still waters | Sewage treatment | Food effluents | Odour suppression



TRN(FL)	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller
	S/S 304	Grey cast iron	S/S 316L
	Suction cover	Shaft	Shaft seal
	S/S 316L	S/S 4202J2	Silicon carbide
	Lubrication	Pump casing & stand	Guide vane & air inlet
	Oil	Grey cast iron	Grey cast iron

Motor	Poles, protection	Poles, protection	Insulation	Thermal protection
	2 pole, IP68 (0.75 - 1.5)	4 pole, IP68	Class F	Integral
	Starting	Starting (12 - 40kW)	Motor casing	Power cable (10 - 20mtr)
	D.O.L.	Star-delta	Grey cast iron	Rubber



80TRN417



150TRN440

item code	model	curve (#)	air-inlet bore (mm)	kW	volt	max water depth (mtrs)	air flow rate @ max water depth (m³/h)	main convection dia (mtr)	sub convection		outlets (qty)	free passage (mm)	dia x h (mm)	dry weight (kgs)
									circular tank (dia - mtr)	square tank (mtr)				
10-10-1272	32TRN2.75	1	32	0.75	400	3.5	7/8	1.4	3.5	3	6	10	420x473	55
10-10-1286	32TRN21.5	2	32	1.5	400	3.5	20/17	1.8	4.5	4	6	12	420x473	55
10-10-1296	50TRN42.2	3	50	2.2	400	3.6	39/38	2.4	6	5.5	6	12	700x689	140
10-10-1304	50TRN43.7	4	50	3.7	400	4.0	55/60	3	7	6.5	6	12	700x694	150
10-10-1309	50TRN45.5	5	50	5.5	400	4.0	78/79	3.8	9	8	6	15	700x835	150
10-10-1314	80TRN47.5	6	80	7.5	400	4.5	124/112	4.4	10	9	6	15	700x868	175
10-10-1316	80TRN412	7	80	12	400	6.0	157/155	5.2	12	11	6	15	700x898	192
10-10-1318	80TRN417	8	80	17	400	6.0	202/220	5.6	13	11.5	6	15	700x958	213
10-10-1320	100TRN424	9	100	24	400	6.0	388/342	6.3	14.5	13	8	22	1000x1225	435
10-10-1322	150TRN440	10	150	40	400	6.0	528/506	7.3	17	15	8	25	1050x1459	583