

LEADERS IN DESIGN - AUSTRALIAN MADE

TRAILCO®

TP63 Model "A" TURBO POLYREEL



Trailco Turbine Drive

Designed & Manufactured in Australia: Trailco Polyreel is designed and manufactured in Australia and is backed by an Australian wide dealer network for sales and service.

Extreme Versatility: The Polyreel will Irrigate a very wide range of crops and will operate well in very irregular shaped fields and on extremely undulating terrain.

Very Low Labour Requirement: Several Polyreels can easily be operated by one man and the labour consists mostly of driving a tractor.

Portable: The Polyreel is ideal for irrigating widely scattered areas. They can be towed from field to field or farm to farm.

Excellent Water Uniformity: The continuous movement of the Sprinkler carriage provides a high uniformity of water application. Distribution of the water is very even.

Ability To Work Around Obstructions: The Polyreel is a compact unit and can operate around power poles, trees or buildings with no problem.

Easy To Use: The Polyreel is uncomplicated and easy to operate.

Long Life & Simple Maintenance: The units are built from long life components and require a minimum of maintenance.

Options: (Hose Size x Length)

63mm x 200m	75mm x 200m
63mm x 250m	75mm x 250m
63mm x 300m	75mm x 300m
63mm x 350m	



PERFORMANCE TABLE TRAILCO TP63 TURBO 'A' POLYREEL 63mm Hose																														
SPRINKLER	Nozzle Dia.		Sprinkler Pressure *		Output *		Wetted Width *		Approx. Lane Spacing		Full Circle Precipitation Rate (avg.)		200 METRE (10CHN) RUN				250 METRE (12.4CHN) RUN				300 METRE (15CHN) RUN									
	mm	ins	kPa	PSI	l.p.s	GPM	m	ft.	m	ft.	mmph	p.p.h	Approximate area per run		Gross Application		Approximate area per run		Gross Application		Approximate area per run		Gross Application							
													ha	Ac	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins
NELSON	15.8	5/8	345	50	4.80	63.4	59	194	38	126	7.0	28.3	0.75	1.88	24.6	0.97	49.2	1.94	0.95	2.35	19.7	0.78	39.7	1.56	1.14	2.82	16.4	0.64	32.8	1.29
			414	60	5.29	69.8	63	206	41	134	7.0	27.6	0.82	2.02	25.7	1.01	51.3	2.02	1.02	2.53	20.3	0.80	40.7	1.60	1.23	3.04	17.0	0.67	34.0	1.34
			483	70	5.71	75.4	65	214	42	139	7.0	27.7	0.85	2.10	26.7	1.05	53.4	2.10	1.05	2.59	21.2	0.84	42.4	1.68	1.26	3.11	18.0	0.70	35.4	1.40
P85	17.5	11/16	345	50	5.80	76.5	62	202	40	131	8.0	31.4	0.80	1.98	28.6	1.13	57.1	2.25	1.00	2.47	22.8	0.90	46.1	1.81	1.20	2.97	19.0	0.75	38.1	1.50
			414	60	6.37	84.1	65	212	42	138	8.0	31.4	0.84	2.08	30.0	1.18	60.1	2.37	1.05	2.59	23.8	0.94	48.0	1.89	1.26	3.11	19.8	0.78	39.7	1.57
			483	70	6.88	90.8	67	220	44	143	8.0	31.5	0.87	2.15	31.2	1.23	62.5	2.48	1.10	2.72	24.8	0.98	50.0	1.97	1.32	3.26	20.7	0.82	41.4	1.63
Approx. wind-in speed cm/min													30cm		15cm		40cm		20cm		46cm		23cm							

Data in shaded area may not be achievable due to low flow and/or field conditions affecting wind-in speed

PERFORMANCE TABLE TRAILCO TP63 TURBO 'A' POLYREEL 75mm Hose																														
SPRINKLER	Nozzle Dia.		Sprinkler Pressure *		Output *		Wetted Width *		Approx. Lane Spacing		Full Circle Precipitation Rate (avg.)		200 METRE (10CHN) RUN				250 METRE (12.4CHN) RUN				300 METRE (15CHN) RUN									
	mm	ins	kPa	PSI	l.p.s	GPM	m	ft.	m	ft.	mmph	p.p.h	Approximate area per run		Gross Application		Approximate area per run		Gross Application		Approximate area per run		Gross Application							
													ha	Ac	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins
NELSON	19.1	0.75	345	50	6.87	90.7	69	225	45	146	8.0	30.0	0.90	2.22	30.4	1.20	60.8	2.39	1.12	2.78	24.3	0.96	49.0	1.93	1.35	3.34	20.2	0.80	40.5	1.60
			414	60	7.57	100.0	73	240	48	156	7.0	29.1	0.96	2.37	31.3	1.23	62.7	2.47	1.20	2.96	25.1	0.99	50.6	1.99	1.44	3.56	20.9	0.82	41.8	1.65
			483	70	8.13	107.0	78	255	50	166	7.0	27.6	1.00	2.47	31.5	1.24	63.0	2.48	1.25	3.09	25.2	0.99	50.8	2.00	1.50	3.70	21.0	0.83	42.0	1.66
SR75	20.3	0.80	345	50	7.76	102.4	71	233	46	151	8.0	31.6	0.92	2.27	33.1	1.30	66.3	2.61	1.15	2.84	26.5	1.04	53.5	2.11	1.38	3.40	22.1	0.87	44.2	1.74
			414	60	8.58	113.2	76	249	49	162	8.0	31.0	0.98	2.42	34.2	1.35	68.4	2.69	1.22	3.03	27.3	1.08	55.1	2.17	1.47	3.63	22.8	0.90	45.6	1.80
			483	70	9.27	122.4	81	265	52	172	7.4	29.0	1.03	2.57	34.8	1.37	69.6	2.74	1.30	3.21	27.8	1.10	56.1	2.21	1.56	3.85	23.2	0.91	46.4	1.83
Approx. wind-in speed cm/min													30cm		15cm		40cm		20cm		46cm		23cm							

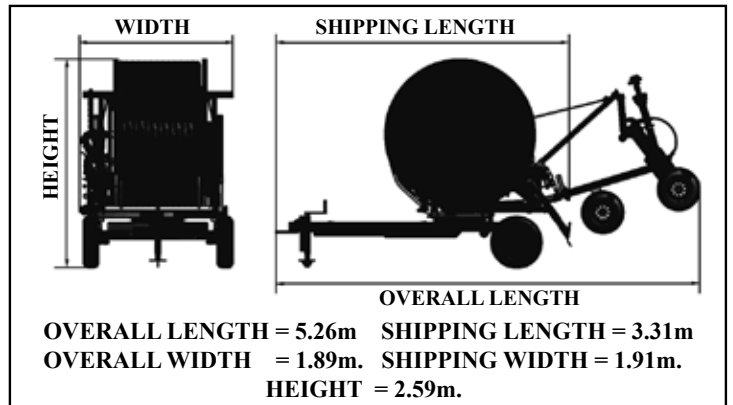
NOTE:- APPROXIMATE LANE SPACINGS CALCULATED USING 0.65 WIND FACTOR, (65% OF THE WETTED WIDTH/SPRINKLER DIAMETER)

* Sprinkler performance is based on the Manufacturers data which has been obtained under ideal test conditions and may be adversely affected by wind or other factors. Trailco Irrigation makes no representation regarding droplet condition, uniformity or application rate.

FEATURES:

- AUSTRALIAN MADE** - Designed & Manufactured in Australia
- TRAILCO TURBO DRIVE** - The Turbine Drive provides the Trailco Polyreel the Power to Rewind the hose and the Sprinkler Carrier in tough conditions,
 - The power is developed as a result of water flow, not pressure, which can allow the Turbo Polyreel to operate at low pressures, saving on energy costs.
 - The Turbine has few moving parts to wear, less to go wrong. Simple and easy to use.
 - Four Speed Gear Box coupled to the Turbine provides the Turbo Polyreel with a wide range of travel speeds to suit your particular crop water requirements.
 - The volume of water entering the Turbine is controlled by a Diverter Valve which when used with the Four Speed Gearbox, provides the Turbo Polyreel with Infinite range of travel speeds to suit differing crop water requirements.
 - No Filters required for Turbine Drive.
 - No exhaust water from Turbine Drive, all water is distributed through the sprinkler.
- AUTOMATIC SPEED COMPENSATION** - The Turbine Drive is fitted with a compensating mechanism that automatically compensates for the increase in the Reel Diameter at each layer of Hose, as it winds on the Reel ensuring uniform Travel Speed and uniform watering.
- TACHOMETER** - Fitted to Turbine for ease of setting Travel Speed.
- AUTOMATIC SHUT-OFF** - At the end of irrigation run when the hose is completely rewound, the Sprinkler Carrier triggers the Shut-Off bar that stops the Hose Reel Turbine Drive. For maximum protection of hose and machine, this mechanism is also automatically triggered if the hose should over run the Hose Reel due to a mechanical failure while operating.
- P.T.O. HOSE REWIND** - Tractor P.T.O. Hose Reel Rewind Drive for rewinding hose if required without operating Turbine Drive.
- EASY TO SERVICE** - All serviceable parts are located in a convenient position for ease of maintenance and adjustments.

- CLUTCH** - When pulling out hose, the Turbine Drive is disengaged by means of a Dog Clutch (No Gear & Reduction Boxes turning). Saving on wear to Gears. Meaning longer operating life.
- HEAVY DUTY BALL BEARING HOSE REEL TURNTABLE** - A single operator can easily rotate the hose reel and sprinkler carriage when repositioning for the next run or transportation.
- LONGER LIFE** - All main parts, including Hose Reel and Frame, Main Chassis, Stabilising Legs, Lifting Arms & Sprinkler Carrier are Hot Dip Galvanised for maximum protection.
- SPRINKLER CARRIAGE** - The Sprinkler is mounted on a Three Wheel Carrier to give maximum stability and excellent tracking. The track width is adjustable to suit various Row Crop Spacings.
- HOSE GUIDE** - A Hose Guide Assembly ensures correct hose rewinding on the Reel (No Crowning), as it moves through a Guide Mechanism.
- SCREW JACK** - Connecting machine to Tractor Drawbar by the Screw Jack. The Jack is easily retracted out of the way before transporting.
- POLYETHYLENE HOSE** - Heavy Duty, Medium Density Polyethylene Hose is extremely durable and is manufactured in Australia.
- OPTIONAL EXTRAS**
 - P.T.O. SHAFT** - Tractor P.T.O. Shaft for rewinding hose if required without operating Turbine Drive



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