

# TRAILCO®



## T300 TURBO TRAVELLER

- \* Extreme Versatility
- \* Very Low Labour Requirement
- \* Portable
- \* Excellent Water Uniformity
- \* Ability to Work Around Obstructions
- \* Easy to Use
- \* Long Life & Simple Maintenance
- \* Designed & Manufactured in Australia

## T400 TURBO TRAVELLER



PERFORMANCE TABLE		TRAILCO T300 TURBO																						
SPRINKLER	Nozzle Dia.		Sprinkler Pressure		Output		Wetted Width		Approx. Lane Spacing		Precipitation Rate (avg.) (Full)		300 METRE (15 CHN) RUN						400 METRE (20 CHN) RUN					
	mm	ins	kPa	PSI	l.p.s	GPM	m	ft.	m	ft.	mmph	p.p.h	Approx area/run		Gross Application				Approx area/run		Gross Application			
													ha	Ac	11 hour Run		22 hour Run		ha	Ac	11 hour Run		22 hour Run	
NELSON	21.8	0.86	482	70	7.58	100	80	262	52	171	6.0	24	1.56	3.85	19.0	0.75	38.3	1.51	3.0	7.36	14.4	0.57	28.7	1.13
			551	80	8.11	107	83	272	54	177	6.0	24	1.62	4.00	19.5	0.77	39.3	1.55	2.2	5.34	14.7	0.58	29.7	1.17
	24.6	0.97	482	70	9.78	129	86	282	56	184	6.8	27	1.68	4.15	22.8	0.90	45.9	1.81	2.2	5.54	17.2	0.68	34.5	1.36
			551	80	10.38	137	89	292	58	190	6.8	27	1.74	4.30	23.6	0.93	47.2	1.86	2.3	5.73	17.7	0.70	40.4	1.59
SR150R	27.4	1.08	482	70	12.43	164	92	302	60	197	7.6	30	2.40	5.93	27.1	1.07	54.6	2.15	2.4	5.93	20.5	0.81	40.8	1.61
			551	80	13.27	175	94	308	61	200	7.6	30	2.07	5.11	28.1	1.11	56.3	2.22	2.4	6.03	21.3	0.84	42.4	1.67
	30.0	1.18	482	70	15.47	204	98	322	64	210	8.3	33	2.10	5.19	32.0	1.26	63.7	2.51	2.6	6.33	24.1	0.95	48.0	1.89
			551	80	16.45	217	101	331	66	217	8.3	33	2.19	5.41	32.7	1.29	65.7	2.59	2.6	6.52	24.6	0.97	49.4	1.94
21°	32.0	1.26	482	70	18.65	246	104	341	68	223	8.8	35	2.19	5.41	36.3	1.43	72.6	2.86	2.7	6.72	27.1	1.07	54.6	2.15
			551	80	19.86	262	106	348	69	226	9.1	36	2.28	5.63	37.5	1.48	75.1	2.96	2.8	6.82	28.1	1.11	56.3	2.22
	34.0	1.34	482	70	22.44	296	108	354	70	230	9.9	39	2.10	5.19	41.9	1.65	83.8	3.30	2.8	6.92	31.4	1.24	62.9	2.48
			551	80	24.03	317	112	367	73	240	9.9	39	2.19	5.41	43.1	1.70	86.3	3.40	2.9	7.22	32.2	1.27	64.5	2.54
NELSON	32.8	1.29	482	70	18.35	242	107	351	70	230	8.3	33	2.10	5.86	34.5	1.36	69.3	2.73	2.8	6.92	25.9	1.02	51.8	2.04
			551	80	19.56	258	110	361	72	236	8.3	33	2.16	6.08	35.8	1.41	71.6	2.82	2.9	7.17	26.9	1.06	53.5	2.11
	37.1	1.46	482	70	24.03	317	116	381	75	246	9.1	36	2.37	6.15	41.9	1.65	83.8	3.30	3.0	7.41	31.4	1.24	62.7	2.47
			620	90	25.55	337	120	394	78	256	9.1	36	2.46	6.49	42.9	1.69	85.8	3.38	3.1	7.66	32.2	1.27	64.5	2.54
SR200R	39.6	1.56	482	70	28.13	371	122	400	79	259	9.9	39	2.49	5.86	46.7	1.84	93.4	3.68	3.2	7.91	35.0	1.38	70.1	2.76
			620	90	30.03	396	126	413	82	269	9.9	39	2.00	6.08	48.2	1.90	96.2	3.79	3.3	8.15	36.0	1.42	72.3	2.85
	42.2	1.66	482	70	32.53	429	127	417	83	272	10.4	41	2.37	5.86	51.5	2.03	102.8	4.05	3.3	8.15	38.6	1.52	77.2	3.04
			620	90	34.42	454	132	433	86	282	10.4	41	2.46	6.08	52.8	2.08	105.4	4.15	3.4	8.40	39.6	1.56	78.9	3.11

NOTE: APPROXIMATE LANE SPACINGS CALCULATED USING .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.

PERFORMANCE TABLE		TRAILCO T400 TURBO																										
SPRINKLER	Nozzle Dia.		Sprinkler Pressure		Output		Wetted Width		Approx. Lane Spacing		Precipitation Rate (average) (Full Circle)		400 METRE (20 CHN) RUN						600 METRE (30 CHN) RUN									
	mm	ins	kPa	PSI	l.p.s	GPM	m	ft.	m	ft.	mmph	p.p.h	Approx area/run		Gross Application				Approx area/run		Gross Application							
													ha	Ac	11 hour Run		22 hour Run		44 hour Run		ha	Ac	11 hour Run		22 hour Run		44 hour Run	
NELSON	21.8	0.86	482	70	7.58	100	80	262	52	170	6.0	24	2.08	5.15	14.4	0.57	28.7	1.13	57.6	2.27	3.11	7.70	9.6	0.38	19.3	0.76	38.6	1.52
			551	80	8.11	107	83	272	54	177	6.0	24	2.16	5.36	14.7	0.58	29.7	1.17	59.1	2.33	3.23	7.99	9.9	0.39	19.9	0.78	39.7	1.56
	24.6	0.97	482	70	9.78	129	86	281	56	183	6.8	27	2.24	5.55	17.2	0.68	34.5	1.36	69.0	2.72	3.46	8.55	11.9	0.47	23.8	0.94	47.5	1.87
			551	80	10.38	137	89	291	58	189	6.8	27	2.32	5.73	17.7	0.70	0.4	1.40	70.8	2.79	3.58	8.84	13.8	0.54	27.5	1.08	55.0	2.17
SR150R	27.4	1.08	482	70	12.43	164	92	301	60	196	7.6	30	2.40	5.93	20.5	0.81	40.8	1.61	82.0	3.23	3.8	9.40	16.1	0.63	32.2	1.27	64.4	2.54
			551	80	13.27	175	94	310	61	202	7.6	30	2.44	6.12	21.3	0.84	42.4	1.67	84.8	3.34	3.92	9.69	16.6	0.65	33.2	1.31	66.4	2.62
	30.0	1.18	482	70	15.47	204	98	320	64	208	8.3	33	2.56	6.30	24.1	0.95	48.0	1.89	96.0	3.78	4.15	10.25	19.0	0.75	37.9	1.49	75.8	2.99
			551	80	16.45	217	101	330	66	215	8.3	33	2.64	6.51	24.6	0.97	49.4	1.95	98.8	3.89	4.21	10.40	21.1	0.83	42.2	1.66	84.5	3.33
21°	32.0	1.26	482	70	18.65	246	104	340	68	221	8.8	35	2.72	6.69	27.1	1.07	54.6	2.15	108.9	4.29	4.39	10.84	21.7	0.85	43.4	1.71	86.8	3.42
			551	80	19.86	262	106	349	69	227	9.1	36	2.76	6.87	28.1	1.11	56.3	2.22	113.0	4.45	4.39	10.84	23.7	0.93	47.4	1.86	94.7	3.73
	34.0	1.34	482	70	22.44	296	108	354	70	230	9.9	39	2.80	6.96	31.4	1.24	62.9	2.48	125.9	4.96	4.55	11.25	24.5	0.96	48.9	1.93	97.9	3.85
			551	80	24.03	317	112	369	73	240	9.9	39	2.92	7.27	32.2	1.27	64.5	2.54	129.2	5.09	4.01	9.90	16.8	0.66	33.7	1.33	67.4	2.65
NELSON	32.8	1.29	482	70	17.04	225	103	337	67	219	8.3	33	2.68	6.63	25.1	0.99	50.2	1.98	100.5	3.96	4.01	9.90	16.8	0.66	33.7	1.33	67.4	2.65
			551	80	18.35	242	107	351	70	228	8.3	33	2.79	6.90	25.9	1.02	52.0	2.05	103.8	4.09	4.17	10.31	17.4	0.69	34.8	1.37	69.7	2.74
	37.1	1.46	482	70	22.44	296	111	366	73	238	9.3	37	2.91	7.21	30.4	1.20	60.9	2.40	121.6	4.79	4.35	10.75	20.4	0.8	40.8	1.61	81.6	3.21
			620	90	25.55	337	120	394	78	256	9.3	37	3.13	7.75	32.2	1.27	64.5	2.54	128.7	5.07	4.62	11.57	21.6	0.85	43.2	1.7	86.4	3.4
SR200R	39.6	1.56	482	70	26.19	346	117	385	76	250	9.9	39	3.06	7.57	33.7	1.33	67.8	2.67	135.3	5.33	4.58	11.31	22.7	0.89	45.3	1.78	90.6	3.57
			620	90	30.05	396	126	419	82	268	9.9	39	3.17	7.84	35.0	1.38	70.1	2.76	140.2	5.52	4.74	12.13	23.5	0.92	47.0	1.85	93.9	3.7
	42.2	1.66	482	70	30.29	400	123	404	80	262	10.4	41	3.21	7.93	37.3	1.47	74.6	2.94	149.3	5.88	4.8	11.87	25.0	0.98	50.0	1.97	99.9	3.93
			620	90	34.42	454	132	432	86	281	10.4	41	3.34	8.24	38.6	1.52	77.2	3.04	154.4	6.08	4.97	12.28	25.9	1.02	51.9	2.04	103.7	4.08
21°	44.2	1.74	482	70	35.02	462	127	418	83	272	11.1	44	3.33	8.24	41.6	1.64	83.0	3.27	166.3	6.55	4.97	12.28	27.9	1.1	55.8	2.2	111.6	4.4
			620	90	39.50	521	136	447	88	291	11.1	44	3.44	8.51	42.6	1.68	85.5	3.37	170.9	6.73	5.14	12.69	28.7	1.13	57.4	2.26	114.8	4.52
	46.5	1.83	482	70	39.76	525	132	432	86	281	11.9	47	3.44	8.51	45.7	1.80	91.4	3.60	182.8	7.20	5.14	12.69	30.7	1.21	61.3	2.41	122.6	4.83
			620	90	45.19	596	140	461	91	300	11.9	47	3.67	9.09	48.5	1.91	97.2	3.83	194.5	7.66	5.48	13.54	32.7	1.29	65.3	2.57	130.6	5.14
49.0	1.93	482	70	47.65																								

# TRAILCO TRAVELLING IRRIGATORS

## T300 TURBO & T400 TURBO TRAVELLERS

**Extreme Versatility:** The travellers 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:** The travellers can easily be operated by one man and the labour consists mainly of driving a tractor.  
**Portable:** The travellers are 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 traveller provides a high uniformity of water application. Distribution of the water is very even.  
**Ability to Work Around Obstructions:** The travellers are compact units and can operate around power poles, trees or buildings with no problem.

- **Compact Concept** with very short turning circle for easier handling, mounted on four wheels for stability.
- **Flotation Tyres** - with the same track front and rear to minimise bogging and soil compaction.
- **Wide Wheel Track and High Clearance** - Wide wheel track to suit average row crop spacings and high ground clearance for reduced crop damage.
- **Tachometer** - Fitted to Turbine for ease of setting Travel Speed.
- **Clutch** - When pulling out cable, 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.
- **Longer Life** - All main parts galvanised or plated for maximum protection.
- **Angus Premium Hi-Flow Hose**, top quality irrigation hose which carries a 10 year warranty.
- **Steering Mechanism** - Accurate automotive type steering mechanism for maximum stability and excellent tracking.
- **Cable Drum Brake** - prevents over-run and possible damage when towing out cable.
- **Cable Drum Rewind Handle** for easy cable retrieval on an aborted run and to take up slack cable prior to start-up.
- **Automatic Brakes** - allow the machine to start at the end of the path with the hose turned neatly behind the tyres eliminating the need for a long anchor loop. The brakes release automatically when the hose drag is sufficient.
- **Automatic Start Up** - Mechanically activated self engagement mechanism for automatic start-up and forward travel, lessening the need to return to the irrigator following start-up.

- **Easy to service** - All serviceable parts conveniently located for ease of maintenance and adjustments.
- **Pressure Gauge** - Sprinkler fitted with high quality liquid filled pressure gauge.

### OPTIONAL EXTRAS:

- **Sprinkler tilt Coupling** - designed to assist in combating the effects of wind by varying trajectory angle of sprinkler.



T400 TURBO with Optional Double Deck Hosereel



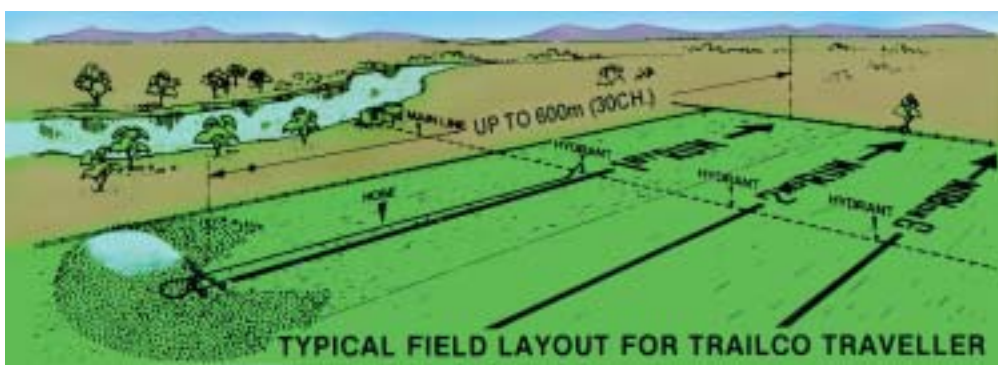
### HOSE OPTIONS

Hose(s)	Run Length
3" x 150m	300m (15Ch)
3 1/2" x 150m	300m (15Ch)
4" x 150m	300m (15Ch)
3" x 200m	400m (20Ch)
3 1/2" x 200m	400m (20Ch)



### HOSE OPTIONS

Hose(s)	Run Length
4" x 200m	400m (20Ch)
4 1/2" x 200m	400m (20Ch)
4" x 300m	600m (30Ch)
4 1/2" x 300m	600m (30Ch)
4" Double Decker Hosereel 4" x 200m & 4" x 100m	600m (30Ch)
4 1/2" Double Decker Hosereel 4 1/2" x 200m & 4 1/2" x 100m	600m (30Ch)



- **Trailco Turbo Drive :**
  - The turbine drive provides the Power to pull the Turbo Traveller & Hose along the cable in tough conditions.
  - The power is developed as a result of water flow, not pressure, which can allow the Turbo Traveller 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 Automotive type Gear Box coupled to the turbine provides the Turbo Traveller 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 Traveller with Infinite range of travel speeds to suit differing crop water requirements.
  - No Filters required for the Turbine Drive.
  - No exhaust water from the Turbine Drive, all water is distributed through the Sprinkler.

