

# TRAILCO®



## BOOM TRAVELLERS



**Cheap to run and setup:**

**Very Low Pressure Requirement:** Means reduced operating expenses and setup costs due to lower pump & mains requirements.

**Precise water application:**

Water is distributed in precise drops directly above crop. Ensures fewer pumped litres are lost to evaporation and wind drift.

**Very Low Labour Requirement:**

Several travellers can be easily operated by one man and Labour consists mostly of driving a tractor.

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

**Portable:** The traveller can be towed from field to field or farm to farm.



**Easy to Use:** The travellers are uncomplicated and easy to operate.

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

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

<b>PERFORMANCE TABLE TRAILCO 85m BOOM TRAVELLER</b>																					
Output		Approx. Lane Spacing				400 METRE (20 CHN) RUN								600 METRE (30 CHN) RUN							
						Approximate area per run		Gross Application						Approximate area per run		Gross Application					
								11 Hour Run		22 Hour Run		33 Hour Run				22 Hour Run		33 Hour Run		44 Hour Run	
I.p.s	GPM	m	ft.	ha	Ac	mm	ins	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins	mm	ins		
11.4	150	89	293	3.57	8.83	12.6	0.50	25.2	0.99	37.8	1.49	5.36	13.24	16.8	0.66	25.2	0.99	33.6	1.32		
15.2	200	89	293	3.57	8.83	16.8	0.66	33.6	1.32	50.4	1.98	5.36	13.24	22.4	0.88	33.6	1.32	44.8	1.76		
18.9	250	89	293	3.57	8.83	21.0	0.83	42.0	1.65	63.0	2.48	5.36	13.24	28.0	1.10	42.0	1.65	56.0	2.20		
22.7	300	89	293	3.57	8.83	25.2	0.99	50.4	1.98	75.6	2.98	5.36	13.24	33.6	1.32	50.4	1.98	67.2	2.65		
26.5	350	89	293	3.57	8.83	29.4	1.16	58.8	2.31	88.2	3.47	5.36	13.24	39.2	1.54	58.8	2.31	78.4	3.09		
30.3	400	89	293	3.57	8.83	33.6	1.32	67.2	2.65	100.8	3.97	5.36	13.24	44.8	1.76	67.2	2.65	89.6	3.53		
34.1	450	89	293	3.57	8.83	37.8	1.49	75.6	2.98	113.4	4.46	5.36	13.24	50.4	1.98	75.6	2.98	100.8	3.97		
37.9	500	89	293	3.57	8.83	42.0	1.65	84.0	3.31	126.0	4.96	5.36	13.24	56.0	2.20	84.0	3.31	112.0	4.41		
41.7	550	89	293	3.57	8.83	46.2	1.82	92.4	3.64	138.6	5.46	5.36	13.24	61.6	2.42	92.4	3.64	123.2	4.85		
45.5	600	89	293	3.57	8.83	50.4	1.98	100.8	3.97	151.2	5.95	5.36	13.24	67.2	2.65	100.8	3.97	134.4	5.29		
49.2	650	89	293	3.57	8.83	54.6	2.15	109.2	4.30	163.8	6.45	5.36	13.24	72.8	2.87	109.2	4.30	145.6	5.73		
53.0	700	89	293	3.57	8.83	58.8	2.31	117.6	4.63	176.4	6.94	5.36	13.24	78.4	3.09	117.6	4.63	156.8	6.17		

NOTE: Lane spacing and Output depend on the sprinkler option fitted.  
 \* 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.

<b>PERFORMANCE TABLE TRAILCO 50m BOOM TRAVELLER</b>																	
Output		Approx. Lane Spacing				300 METRE (15 CHN) RUN								400 METRE (20 CHN) RUN			
						Approximate area per run		Gross Application				Approximate area per run		Gross Application			
								11 Hour Run		22 Hour Run				11 Hour Run		22 Hour Run	
I.p.s	GPM	m	ft.	ha	Ac	mm	ins	mm	ins	ha	Ac	mm	ins	mm	ins		
11.4	150	60	197	1.80	4.45	25.0	0.98	50.0	1.97	2.40	5.94	18.7	0.74	37.5	1.48		
15.2	200	60	197	1.80	4.45	33.3	1.31	66.6	2.62	2.40	5.94	25.0	0.98	50.0	1.97		
18.9	250	60	197	1.80	4.45	41.6	1.64	83.3	3.28	2.40	5.94	31.2	1.23	62.5	2.46		
22.7	300	60	197	1.80	4.45	50.0	1.97	99.9	3.93	2.40	5.94	37.5	1.48	75.0	2.95		
26.5	350	60	197	1.80	4.45	58.3	2.30	116.6	4.59	2.40	5.94	43.7	1.72	87.4	3.44		
30.3	400	60	197	1.80	4.45	66.6	2.62	133.3	5.25	2.40	5.94	50.0	1.97	99.9	3.93		
34.1	450	60	197	1.80	4.45	75.0	2.95	149.9	5.90	2.40	5.94	56.2	2.21	112.4	4.43		
37.9	500	60	197	1.80	4.45	83.3	3.28	166.6	6.56	2.40	5.94	62.5	2.46	124.9	4.92		
41.7	550	60	197	1.80	4.45	91.6	3.61	183.2	7.21	2.40	5.94	68.7	2.71	137.4	5.41		
45.5	600	60	197	1.80	4.45	99.9	3.93	199.9	7.87	2.40	5.94	75.0	2.95	149.9	5.90		
49.2	650	60	197	1.80	4.45	108.3	4.26	216.5	8.52	2.40	5.94	81.2	3.20	162.4	6.39		
53.0	700	60	197	1.80	4.45	116.6	4.59	233.2	9.18	2.40	5.94	87.4	3.44	174.9	6.89		

NOTE: Lane spacing and Output depend on the sprinkler option fitted.  
 \* 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.

## Boom Operation

Position Boom at end of field. Set controls for automated startup.

Pull out the hose and cable with the optional tractor attachment. This lays the hose to the side of the travel lane, protecting the hose. (The cable and hose can also be laid out as per a conventional gun irrigator).

Stop at the centre of the field, and attach the hose to the water main.

Continue pulling the cable to the end of the field.

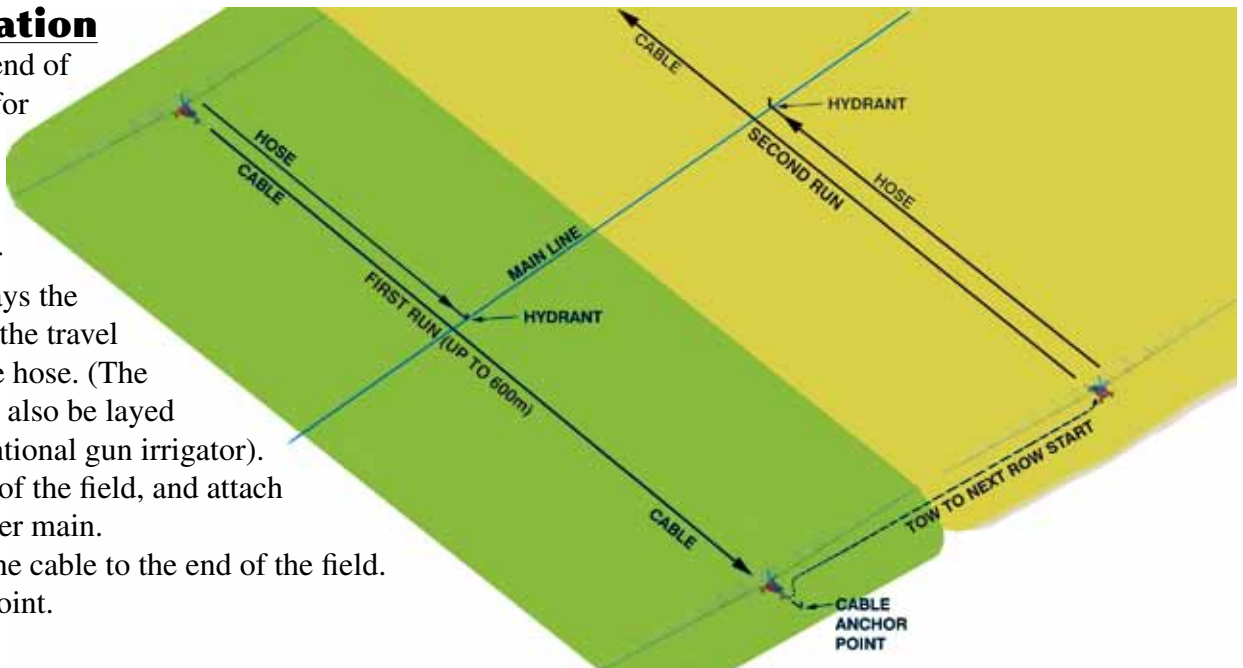
Attach to anchor point.

Start the pump.

The Irrigator will start automatically, perform it's irrigation run and shut down automatically at the end of the run.

The irrigator is then towed to a new irrigation position, and set up for another irrigation run.

Choosing the Electronic Controller gives much greater control over the irrigation run, allowing delayed start and precise control of speed. Different Controller configurations allow Water shutoff either through Full shutoff valve at the irrigator, or shutoff of a pressure sensing pump through a Dump Valve on the irrigator.



**TRAILCO IRRIGATION (AUST.)**  
 ABN 35 480 117 190  
 1289 KINGSFORD SMITH DRIVE  
 PINKENBA QLD. 4008  
 Phone (07) 3260 1828 Fax (07) 3260 1877  
 International Callers: Country (61) Area (7)  
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SOLD AND SERVICED BY:

Trailco offers a wide variety of Boom widths and Turbo Travellers to match your field conditions



**85m-93m Boom**  
**Wide track for stability**  
**Engineered for strength**  
**Options (Model Specific):**

- **Steering Mechanism** - Retractable drawbar allows both tight manoeuvring and excellent tracking.
- **Reversing Attachment** - locks the drawbar, enabling the front wheels to be raised by the three point linkage drawbar on the tractor. This makes reversing as simple as with a two wheeled trailer.
- **Hydraulic Rotation of Boom** - Boom rotation powered by tractor hydraulics. Also features rotation lock.

85-93m BOOM 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)

- **High clearance tower** - Ideal for crops requiring more clearance, such as sugarcane.
- **Irrigator sold without PTO Rewind Hose Reel & PTO Hose Purge** - for those who prefer the flexibility of a separate hose layout & retrieval system, Trailco supplies the T40 hose carrier.



**50m Boom**  
**Based on T300 Turbo Chassis**  
**Engineered for strength**  
**Options (Model Specific):**

- **Hydraulic Rotation of Boom** - Boom rotation powered by tractor hydraulics. Also features rotation lock.

50M BOOM 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)

**Other Sizes available to match your specifications**



Trailco Turbine Drive

**Trailco Turbo Drive** The turbine drive provides a Trailco Boom Irrigator with the Power to travel in tough conditions. The power is developed as a result of water flow, not pressure, which can allow the Boom Irrigator 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. The volume of water entering the Turbine is controlled by a Diverter Valve, which when used with the Four Speed Gearbox, provides the Boom irrigator with an Infinite range of travel speeds to suit differing crop water requirements. When used with an optional Electronic Controller, the irrigation run can be fine tuned to suit varying crop and field conditions. No Filters required for the Turbine Drive. No exhaust water from the Turbine Drive, all water is distributed through the Sprinkler.

**FEATURES:**

- **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 gearbox 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 are required for the turbine drive.
  - No exhaust water from the turbine drive, all water is distributed through the sprinkler.
- **Compact Concept** with very short turning circle for easier handling, mounted on four wheels for stability.
- **Flotation Tyres** - to minimise bogging and soil compaction.
- **Wide Wheel Track and High Clearance** - Wide wheel track to increase stability 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 Dragmaster Irrigation Hose**, top quality irrigation hose which carries a 10 year warranty.
- **Cable Drum Brake** - prevents over-run and possible damage when towing out cable.
- **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.
- **PTO Driven Hose Purge** – makes it possible to exhaust the water from the hose prior to it being reeled in for easier wind up in heavy conditions for maximum hose protection and longer hose life.
- **Top mounted sprinklers/ droppers** limits contaminants through sprinklers.
- **Pressure sensitive relief valves** empty the boom at the end of the run, allowing safer transport
- **Optional flush system** for systems with significant contaminants
- OPTIONAL EXTRAS:**
  - **Electronic Control** - with solar battery charger,
    - Basic: Easy, exact control of travel speed & delayed Start.
    - Basic plus dump valve. Enables automatic delayed pump shut-off, (if a pressure switch is fitted to the pump).
    - Basic plus full shut-off valve. Cuts water to the irrigator. Enables pump to power other irrigators
- **Irrigator sold without PTO Rewind Hose Reel & PTO Hose Purge** - for those who prefer the flexibility of a separate hose layout & retrieval system, Trailco supplies the T40 hose carrier.



T40 Hose Carrier

**T300 TURBO BOOM**

