



Rodney Industries

2025



RI 450T

TRAVELLING IRRIGATORS

MACHINE DETAILS & PERFORMANCE DATA



RI450T TURBO WINCH

Turbine Drive Travelling Irrigator



OPERATING PRESSURE

482 – 620
kPa



FLOW RATE

18.65 – 53.99
L/S



WETTED WIDTH

104 – 146
Mtrs



TRAVEL DISTANCE PER RUN

Up to 400
Mtrs

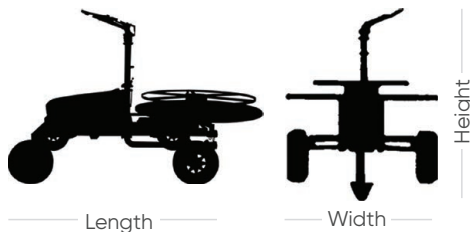


GROUND CLEARANCE

250
mm

STANDARD EQUIPMENT

- Hose reel
- 410 m x 8 mm wire rope
- 225/65 x 15" Galvanized Steel rims & tyres
- Brake kit
- Purge kit
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
4500	1950	2000	1200

Please note: Weight does not include Big Gun or hose.

FREIGHT INFORMATION



The RI450T requires a forklift for loading and unloading.
Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI450T Base Unit	RI450T

Irrigation Gun Options	Code
Nelson SR150 Big Gun Complete	SR150K
Nelson SR200 Big Gun Complete	SR200K
SIME Reflex Kit	140052KIT
SIME Explorer Kit	140055KIT
Twin 140 Ultra 24° Kit	5010254KIT
Twin 202 Ultra 24° Kit	5010256KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 3½" x 200m	25037APU
Angus Flowmaster Hose 4" x 200m	25042APU
Angus Flowmaster Hose 4½" x 200m	25047APU

Machine Options	Code
Floatation Wheels 11" x 16.5"	POA

Fitting Options	Code
Ring Type Coupler 3½" x 4"	9997
Ring Type Coupler 4" x 4"	9994
Ring Type Coupler 4½" x 4"	9995

RI450T

PERFORMANCE SPECIFICATIONS

Sprinkler	Nozzle Dia.		Sprinkler Pressure	Output	Wetted Width		Approx Lane Spacing		300m (15 Chain) Run						400m (20 Chain) Run2.16						Average Precipitation Rate (Full Circle)	Angus Hose Friction Loss (PSI/KPA) Per 100 Mets @ 70PSI / 482KPA									
									Approx. Area Per Run			Gross Application			Approx. Area Per Run			Gross Application				3.5"		4"		4.5"					
	mm	Ins	kPa	P.S.I.	l.p.s.	G.P.M.	m	Ft.	m	Ft.	ha	ac	mm	Ins	mm	Ins	ha	ac	mm	Ins	mm	Ins	mmp.h	p.p.h.	KPA	PSI	KPA	PSI	KPA	PSI	KPA
 SR150 21°	32.0	1.260	482	70	18.65	246	104	340	68	221	2.03	5.02	36.3	1.43	72.6	2.86	2.72	6.70	271	1.07	54.3	2.14	8.8	35	67.6	9.8	27.4	3.9	18.2	2.6	
			551	80	19.86	262	106	349	69	227	2.09	5.16	37.5	1.48	75.1	2.96	2.76	6.88	28.1	1.11	56.3	2.22	9.1	36	74.5	10.8	31.4	4.5	20.6	2.9	
	34.0	1.340	482	70	22.44	296	108	354	70	230	2.12	5.23	41.9	1.65	83.8	3.30	2.80	6.96	31.4	1.24	62.9	2.48	9.9	39	93.8	13.6	38.2	5.5	26.3	3.8	
			551	80	24.03	317	112	369	73	240	2.21	5.45	43.1	1.70	86.3	3.40	2.92	7.28	32.2	1.27	64.5	2.54	9.9	39	107.8	15.6	39.2	5.7	29.4	4.2	
 SR20 21°	32.8	1.290	551	80	18.35	242	107	351	70	228	2.10	5.15	34.5	1.36	69.3	2.73	2.79	6.89	25.9	1.02	52.0	2.05	8.3	33	66.5	9.6	26.0	3.7	18.1	2.6	
			620	90	19.56	258	110	361	72	235	2.15	5.30	35.8	1.41	71.6	2.82	2.85	7.04	26.9	1.06	53.7	2.12	8.3	33	73.6	10.7	30.2	4.3	20.5	2.9	
	371	1.460	551	80	24.03	317	116	380	75	247	2.25	5.60	41.9	1.65	83.8	3.30	3.00	7.40	31.4	1.27	62.7	2.47	9.1	36	107.8	15.6	39.2	5.7	29.4	4.2	
			620	90	25.55	337	120	394	78	256	2.30	5.80	42.9	1.69	85.8	3.38	3.10	7.70	32.2	1.27	64.5	2.54	9.1	36	140.6	20.4	47.5	6.9	32.8	4.7	
 SR20 21°	396	1.560	551	80	28.13	371	122	399	79	259	2.35	5.85	46.7	1.84	93.4	3.68	3.20	7.80	35.0	1.38	70.1	2.76	9.9	39	58.8	8.5	39.2	5.7	29.4	4.2	
			620	90	30.03	396	126	413	82	268	2.45	6.05	48.2	1.90	96.2	3.79	3.30	8.20	36.3	1.43	72.3	2.85	9.9	39	63.7	9.2	48.0	6.9	29.4	4.2	
	42.2	1.660	551	80	32.53	429	127	418	83	272	2.50	6.15	51.5	2.03	102.8	4.05	3.30	8.20	38.6	1.52	77.2	3.04	10.4	41	78.4	11.3	52.9	7.6	29.4	4.2	
			620	90	34.42	454	132	432	86	281	2.55	6.35	52.8	2.08	105.4	4.15	3.40	8.50	39.6	1.56	78.9	3.11	10.4	41	85.2	12.3	58.5	8.5	29.4	4.2	
	44.2	1.740	551	80	37.23	491	132	432	86	281	2.55	6.35	56.8	2.24	114.0	4.49	3.40	8.50	42.6	1.68	85.5	3.77	11.1	44	102.9	14.9	68.6	9.9	29.4	4.2	
			620	90	39.50	521	136	447	88	291	2.60	6.60	58.4	2.30	116.8	4.60	3.46	8.55	43.8	1.72	89.6	3.45	11.1	44	113.0	16.4	72.5	10.5	29.4	4.2	
	46.5	1.830	551	80	42.61	562	136	447	88	291	2.60	6.60	62.9	2.48	125.9	4.96	3.46	8.55	47.2	1.86	94.4	3.72	11.9	47	122.5	17.7	82.3	11.9	29.4	4.2	
			620	90	45.19	596	140	461	91	300	2.70	6.80	64.7	2.55	129.5	5.10	3.59	8.87	48.5	1.91	97.1	2.82	11.9	47			93.1	13.5	29.4	4.2	
	490	1.930	551	80	50.88	671	142	466	92	303	2.75	6.85	72.1	2.84	144.5	5.69	3.66	9.04	54.1	2.13	108.4	4.27	12.9	51			117.6	17.0	29.4	4.2	
			620	90	53.99	712	146	480	95	312	2.85	7.05	74.4	2.93	148.8	5.86	3.80	9.39	55.8	2.19	111.6	4.40	12.9	51			132.3	19.2	29.4	4.2	



Please note: Friction losses are to be used as a guide only.



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