

# 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

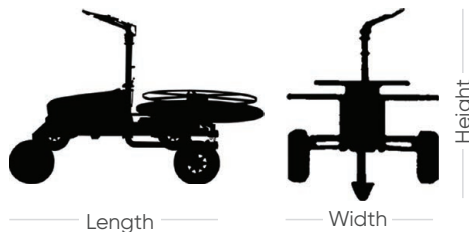


### GROUND CLEARANCE

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) Run 2.16						Average Precipitation Rate (Full Circle)			Angus Hose Friction Loss (PSI/KPA) Per 100 Mts @ 70PSI / 482KPA								
	mm	Ins					ha	ac	Approx. Area Per Run		Gross Application		mm	Ins	ha	ac	Approx. Area Per Run		Gross Application		mmp.h	p.p.h.	PSI	KPA	3.5"		4"		4.5"	
									11 Hr. Run	22 Hr Run	11 Hr. Run	22 Hr Run					11 Hr. Run	22 Hr Run	11 Hr. Run	22 Hr Run					PSI	KPA	PSI	KPA	PSI	KPA
NELSON AUSTRALIA 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	274	3.9	18.2	2.6
	34.0	1.340	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	281	1.11	56.3	2.22	9.1	36	74.5	10.8	314	4.5	20.6	2.9
NELSON AUSTRALIA SR150 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	259	1.02	52.0	2.05	8.3	33	66.5	9.6	260	3.7	18.1	2.6
	371	1.460	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	269	1.06	53.7	2.12	8.3	33	73.6	10.7	302	4.3	20.5	2.9
NELSON AUSTRALIA SR20 21°	396	1.560	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	314	1.27	62.7	2.47	9.1	36	107.8	15.6	392	5.7	29.4	4.2
	42.2	1.660	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	322	1.27	64.5	2.54	9.1	36	140.6	20.4	475	6.9	32.8	4.7
NELSON AUSTRALIA SR20 21°	44.2	1.740	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	350	1.38	70.1	2.76	9.9	39	58.8	8.5	392	5.7	18.1	2.6
	46.5	1.830	620	90	30.03	396	126	413	82	268	2.45	6.05	48.2	1.90	96.2	3.79	3.30	8.10	363	1.43	72.3	2.85	9.9	39	63.7	9.2	48.0	6.9	18.1	2.6
NELSON AUSTRALIA SR20 21°	44.2	1.740	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	386	1.52	77.2	3.04	10.4	41	78.4	11.3	52.9	7.6	18.1	2.6
	46.5	1.830	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	396	1.56	78.9	3.11	10.4	41	85.2	12.3	58.5	8.5	18.1	2.6
NELSON AUSTRALIA SR20 21°	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	426	1.68	85.5	3.77	11.1	44	102.9	14.9	68.6	9.9	18.1	2.6
	46.5	1.830	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	438	1.72	89.6	3.45	11.1	44	113.0	16.4	72.5	10.5	18.1	2.6
NELSON AUSTRALIA SR20 21°	44.2	1.740	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	472	1.86	94.4	3.72	11.9	47	122.5	17.7	82.3	11.9	18.1	2.6
	46.5	1.830	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	131.0	19.2	93.1	13.5	18.1	2.6
NELSON AUSTRALIA SR20 21°	49.0	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	17.6	82.3	11.9	18.1	2.6
	49.0	1.930	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	93.1	13.5	18.1	2.6



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