



Rodney Industries

2025



RI 30

TRAVELLING IRRIGATORS

MACHINE DETAILS &
PERFORMANCE DATA



RI 30

RI RANGE

Piston Drive Travelling Irrigator



OPERATING PRESSURE

413 - 551
kPa



FLOW RATE

1.7 - 7.3
L/S



WETTED WIDTH

46 - 70
Mtrs



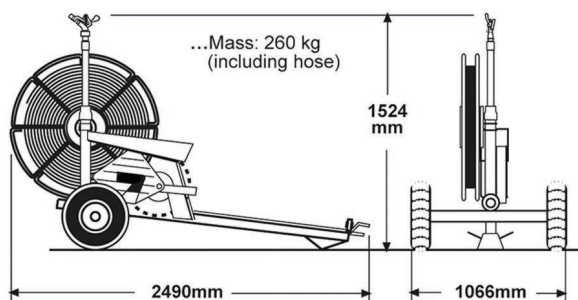
TRAVEL DISTANCE PER RUN

200
Mtrs



STANDARD EQUIPMENT

- Powerful piston type water motor with lever action drive to large diameter cable winch.
- Heavy duty welded steel chassis all hot dip galvanized.
- Vertical type for easy layout and rewind.



FREIGHT INFORMATION



The RI 30 is despatched on a skid and requires a forklift for loading and unloading.

Basic Irrigator

Code

Without Hose Kit & Sprinkler

RI030B

Complete Irrigator

Code

100m x 2" Angus Hi-Flow Irrigator Hose
2" Hose connection on irrigator end only
Nelson P85 Part Circle Sprinkler with 8.7mm Main Nozzle

RI030X

Nozzle Options

Code

8.7mm	8DRN1132
9.5mm	8DRN38
10.3mm	8DRN1332
11.1mm	8DRN716
11.9mm	8DRN1532
12.7mm	8DRN12
13.5mm	8DRN1732
14.3mm	8DRN916
15.1mm	8DRN1932
15.9mm	8DRN58
17.5mm	8DRN1116

Seal Kits

Code

Seal Kit to Suit RI30

PCCKIT

RI 30

PERFORMANCE SPECIFICATIONS

Sprinkler and Hose	Nozzle Diam. Mm (ins)	Sprinkler Pressure kPa (psi)	Flow Rate l/sec (gpm)	Friction Loss in Hose kPa (psi)	Sprinkler Wetted Width m (ft)	Average Application Rate/hr mm (points)	Depth of water Applied Per Run @ Travel Speed mm (inches)		
							11hr Run	23hr Run	47hr Run
 Nelson P85 Sprinkler 100m x 50mm Hose (200m Spray Run)	8.7 (11/32)	413 (60) 551 (80)	1.68 (22.2) 1.93 (25.5)	9 (1.3) 12 (1.7)	46 (152) 51 (166)	4.0 (15.6) 4.0 (15.6)	10 (0.40) 11 (0.42)	21 (0.84) 23 (0.89)	44 (1.73) 46 (1.81)
	9.5 (3/8)	413 (60) 551 (80)	1.99 (26.3) 2.30 (33.0)	12 (1.8) 16 (2.3)	48 (158) 52 (172)	4.4 (17.3) 4.4 (17.3)	12 (0.46) 12 (0.49)	24 (0.96) 26 (1.02)	50 (1.95) 53 (2.08)
	10.3 (13/32)	413 (60) 551 (80)	2.35 (31.0) 2.70 (35.7)	17 (2.4) 22 (3.2)	51 (166) 55 (180)	4.8 (19.0) 4.8 (19.0)	13 (0.52) 14 (0.55)	27 (1.08) 29 (1.14)	56 (2.20) 59 (2.33)
	11.1 (7/16)	413 (60) 551 (80)	2.68 (35.4) 3.11 (41.1)	21 (3.1) 30 (4.3)	52 (172) 57 (186)	5.1 (19.9) 5.1 (19.9)	14 (0.57) 15 (0.61)	30 (1.19) 32 (1.27)	62 (2.43) 66 (2.60)
	11.9 (15/32)	413 (60) 551 (80)	3.07 (40.5) 3.55 (46.8)	28 (4.1) 37 (5.4)	54 (178) 59 (194)	5.4 (21.3) 5.4 (21.3)	16 (0.62) 17 (0.66)	33 (1.31) 35 (1.39)	68 (2.67) 72 (2.83)
	12.7 (1/2)	413 (60) 551 (80)	3.48 (45.9) 4.03 (53.2)	38 (5.5) 47 (6.8)	56 (184) 61 (200)	5.8 (22.7) 5.8 (22.7)	18 (0.69) 19 (0.73)	36 (1.43) 39 (1.53)	74 (2.93) 80 (3.13)
	13.5 (17/32)	413 (60) 551 (80)	3.90 (51.5) 4.53 (59.8)	43 (6.3) 65 (9.5)	58 (190) 63 (206)	6.1 (23.9) 6.1 (23.9)	19 (0.75) 20 (0.80)	40 (1.56) 42 (1.67)	82 (3.22) 87 (3.42)
	14.3 (9/16)	413 (60) 551 (80)	4.36 (57.5) 5.06 (66.7)	59 (8.6) 79 (11.5)	59 (194) 65 (212)	6.4 (25.2) 6.4 (25.2)	21 (0.81) 22 (0.87)	43 (1.70) 46 (1.82)	88 (3.48) 94 (3.71)
	15.9 (5/8)	413 (60) 551 (80)	5.30 (69.9) 6.12 (80.8)	88 (12.7) 114 (16.6)	63 (206) 68 (222)	7.0 (27.7) 7.0 (27.7)	24 (0.94) 25 (1.00)	50 (1.96) 53 (2.10)	102 (4.0) 109 (4.3)
	17.5 (11/16)	413 (60) 551 (80)	6.38 (84.2) 7.33 (96.7)	117 (17.0) 147 (21.4)	65 (212) 70 (230)	8.0 (31.6) 8.0 (31.6)	28 (1.10) 29 (1.16)	58 (2.29) 61 (2.42)	119 (4.7) 126 (4.9)





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