

SX10/20/30 TRAVELLING IRRIGATORS

Hot Dip GALVANISED

Applications

— TURF WATERING—

Playing Fields, Parks and Gardens, Lawn Cemeteries, Golf Courses, Race Courses.

— AGRICULTURE—

Small Crops, Nurseries, Turf Farms.

— DUST CONTROL —

Mining and Building Sites



Features

- **Self-Propelled**
- **Auto Stop**
- **Heavy Duty Design**
- **Integral Hose Reel (SX20/30)**
- **Adjustable Speed**
- **Power to Handle all Conditions**
- **Positive Drive via Winch Cable & Anchor**
- **Hot Dip Galvanised**
- **Easy to Operate**



MODEL

SPECIFICATIONS

SX-10



IRRIGATOR MODEL: SX-10.

SPRINKLER: Nelson F43V Gunmetal Impact.

HOSE: 55 metres X 25mm (1 inch).

FLOW RATE: 0.46 to 1.2 litres per second.

OPERATING PRESSURE RANGE: 275 to 345 kPa.

TRAVEL DISTANCE PER RUN: 110 metres.

WETTED WIDTH: 28 to 36 metres.

DRIVING MECHANISM: Water-jet powered rotary driving arms acting through high quality worm reduction drive to cable winch.

CONSTRUCTION: Heavy duty welded steel chassis all hot dip galvanised.

SX-20



IRRIGATOR MODEL: SX-20.

HOSE: 67 metres X 40mm (1 1/4 inch).

FLOW RATE: 1.7 to 7 litres per second.

OPERATING PRESSURE RANGE: 345 to 483 kPa.

TRAVEL DISTANCE PER RUN: 130 metres.

WETTED WIDTH: 44 to 67 metres.

DRIVING MECHANISM: Water-jet powered rotary driving arms acting through high quality worm reduction drive to cable winch.

HOSE REEL: Galvanised steel with hose layout guide arm.

CONSTRUCTION: Heavy duty welded steel chassis all hot dip galvanised.

OPTION: Choice of skid or front wheels.

SX-30



IRRIGATOR MODEL: SX-30.

HOSE: 100 metres X 50mm (2 inch) Angus Hi-Flow lay flat. irrigation hose with quick coupling connections.

FLOW RATE: 1.7 to 7.3 litres per second.

OPERATING PRESSURE RANGE: 413 to 551kPa.

TRAVEL DISTANCE PER RUN: 200 metres.

WETTED WIDTH: 46 to 70 metres.

DRIVING MECHANISM: Powerful piston type water motor with lever action drive to large diameter cable winch.

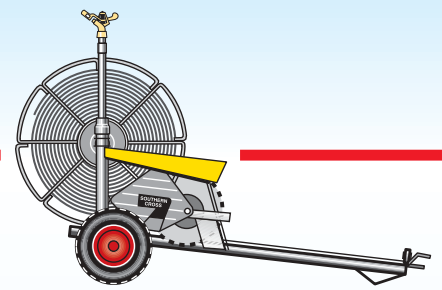
HOSE REEL: Vertical type for easy layout and rewind.

CONSTRUCTION: Heavy duty welded steel chassis all hot dip galvanised.

SX10/20/30 TRAVELLING

IRRIGATORS

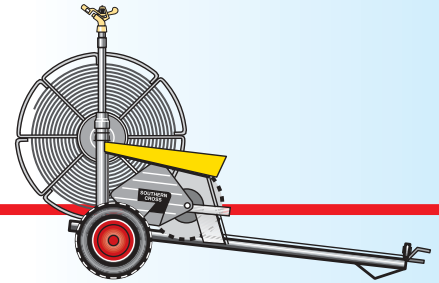
PERFORMANCE DATA



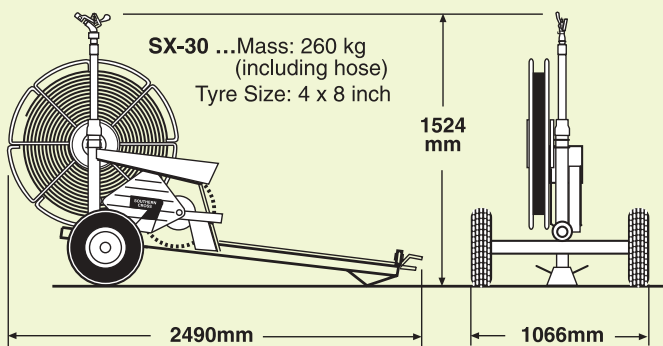
Sprinkler and Hose	Nozzle Diam. mm (ins)	Sprinkler Pressure kPa (psi)	Flow Rate l/sec (gpm)	Friction Loss in Hose kPa (psi)	Sprinkler Wetted Width m (ft)	Average Application Rate/hr mm (points)	Depth of Water Applied Per Run mm (inches) @ Travel Speed / Run Time		
SX-10 Nelson F43V Sprinkler 55m X 25mm Hose (110m Spray Run)	4.0 (5/32)	275 (40) 345 (50)	0.46 (6.1) 0.49 (6.5)	7 (1.0) 7 (1.0)	28 (94) 29 (96)	2.9 (11.6) 3.0 (11.9)	8.1 (0.32) @ 7m/hr 8.6 (0.34) @ 7m/hr		
	4.4 (11/64)	275 (40) 345 (50)	0.52 (6.9) 0.56 (7.4)	14 (2.0) 21 (3.0)	30 (97) 31 (100)	3.1 (12.3) 3.2 (12.4)	9.1 (0.36) @ 7m/hr 9.4 (0.37) @ 7m/hr		
	4.8 (3/16)	275 (40) 345 (50)	0.58 (7.7) 0.64 (8.4)	26 (3.8) 34 (5.0)	31 (100) 32 (104)	3.3 (12.9) 3.3 (13.1)	9.9 (0.39) @ 7m/hr 10.4 (0.41) @ 7m/hr		
	5.2 (13/64)	275 (40) 345 (50)	0.66 (8.7) 0.78 (10.3)	38 (5.5) 65 (9.4)	31 (103) 33 (107)	3.5 (13.8) 3.5 (13.8)	10.9 (0.43) @ 7m/hr 11.2 (0.44) @ 7m/hr		
	5.6 (7/32)	275 (40) 345 (50)	0.73 (9.7) 0.81 (10.6)	55 (8.0) 69 (10.0)	32 (106) 34 (110)	3.7 (14.5) 3.7 (14.7)	11.7 (0.46) @ 7m/hr 12.4 (0.49) @ 7m/hr		
	6.0 (15/64)	275 (40) 345 (50)	0.81 (10.7) 0.89 (11.7)	70 (10.2) 85 (12.4)	33 (107) 34 (112)	4.0 (15.7) 4.0 (15.7)	12.7 (0.50) @ 7m/hr 13.5 (0.53) @ 7m/hr		
	6.4 (1/4)	275 (40) 345 (50)	0.90 (11.9) 0.99 (13.1)	90 (13.0) 112 (16.2)	33 (109) 35 (114)	4.3 (16.8) 4.3 (16.9)	14.0 (0.55) @ 7m/hr 14.7 (0.58) @ 7m/hr		
	6.8 (17/64)	275 (40) 345 (50)	0.99 (13.1) 1.08 (14.3)	112 (16.2) 135 (19.6)	34 (111) 35 (116)	4.5 (17.9) 4.5 (17.9)	15.0 (0.59) @ 7m/hr 15.7 (0.62) @ 7m/hr		
	7.2 (9/32)	275 (40) 345 (50)	1.08 (14.3) 1.19 (15.7)	135 (19.6) 161 (23.4)	34 (112) 36 (119)	4.9 (19.2) 4.7 (18.6)	16.3 (0.64) @ 7m/hr 16.8 (0.66) @ 7m/hr		
SX-20 Nelson F80V Sprinkler 67m X 40mm Hose (130m Spray Run)	8.7 (11/32)	345 (50) 483 (70)	1.73 (22.8) 2.05 (27.0)	14 (2.0) 16 (2.3)	44.0 (144) 48.6 (160)	4.7 (18.5) 4.5 (17.7)	35.3 (1.39) @ 4m/hr 37.6 (1.48) @ 4m/hr		
	9.5 (3/8)	345 (50) 483 (70)	2.02 (26.7) 2.39 (31.5)	16 (2.3) 24 (3.5)	45.6 (150) 50.6 (166)	5.1 (20.0) 4.9 (19.2)	39.9 (1.57) @ 4m/hr 42.4 (1.67) @ 4m/hr		
	10.3 (13/32)	345 (50) 483 (70)	2.34 (30.9) 2.77 (36.6)	24 (3.5) 31 (4.5)	47.4 (156) 52.4 (172)	5.4 (21.4) 5.3 (20.8)	44.2 (1.74) @ 4m/hr 47.8 (1.88) @ 4m/hr		
	11.1 (7/16)	345 (50) 483 (70)	2.64 (34.8) 3.14 (41.5)	28 (4.1) 40 (5.8)	49.4 (162) 54.8 (180)	5.7 (22.3) 5.5 (21.6)	48.0 (1.89) @ 4m/hr 51.6 (2.03) @ 4m/hr		
	11.9 (15/32)	345 (50) 483 (70)	2.99 (39.5) 3.55 (46.9)	36 (5.2) 47 (6.8)	51.2 (168) 56.6 (186)	6.0 (23.5) 5.8 (22.8)	52.6 (2.07) @ 4m/hr 56.4 (2.22) @ 4m/hr		
	12.7 (1/2)	345 (50) 483 (70)	3.37 (44.5) 3.40 (52.8)	46 (6.7) 66 (9.6)	53.0 (174) 58.4 (192)	6.3 (24.7) 6.1 (24.1)	57.2 (2.25) @ 4m/hr 61.5 (2.42) @ 4m/hr		
	13.5 (17/32)	345 (50) 483 (70)	3.76 (49.6) 4.46 (58.9)	58 (8.4) 80 (11.6)	54.8 (180) 60.4 (198)	6.6 (25.8) 6.4 (25.3)	61.7 (2.43) @ 4m/hr 66.5 (2.62) @ 4m/hr		
	14.3 (9/16)	345 (50) 483 (70)	4.17 (55.0) 4.94 (65.2)	70 (10.2) 98 (14.2)	56.0 (184) 62.2 (204)	6.9 (27.3) 6.7 (26.3)	66.8 (2.63) @ 4m/hr 71.4 (2.81) @ 4m/hr		
	15.1 (19/32)	345 (50) 483 (70)	4.59 (60.6) 5.45 (72.0)	85 (12.3) 120 (17.4)	58.8 (192) 63.8 (208)	7.0 (27.6) 7.1 (28.0)	70.6 (2.78) @ 4m/hr 77.5 (3.05) @ 4m/hr		
	15.9 (5/8)	345 (50) 483 (70)	5.02 (66.2) 5.96 (78.7)	101 (14.7) 144 (20.8)	61.6 (202) 65.2 (214)	6.9 (27.3) 7.3 (28.9)	73.4 (2.89) @ 4m/hr 82.3 (3.24) @ 4m/hr		
	17.5 (11/16)	345 (50) 483 (70)	6.01 (79.3) 7.12 (94.0)	146 (21.2) 201 (29.2)	61.6 (202) 67.0 (220)	8.3 (32.7) 8.3 (32.6)	87.9 (3.46) @ 4m/hr 95.8 (3.77) @ 4m/hr		
SX-30 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)	11hr Run 10 (0.40)	23hr Run 21 (0.84)	47hr Run 44 (1.73)
	9.5 (3/8)	413 (60) 551 (80)	1.99 (26.3) 2.30 (3.30)	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) 5.05 (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) 515 (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) 515 (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)

Southern Cross

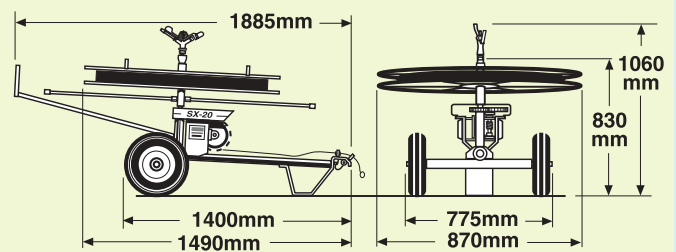
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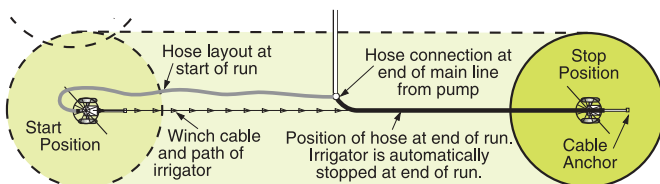
Hot Dip GALVANISED



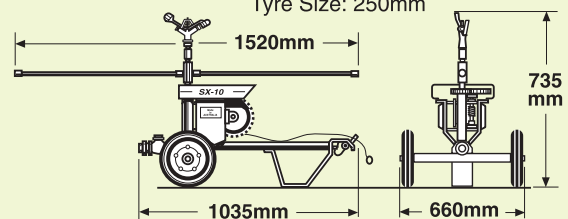
SX-20 ...Mass: 135 kg (including hose)
Tyre Size: 400mm



Typical method of operation...



SX-10 ...Mass: 80 kg (including hose)
Tyre Size: 250mm



As Tyco policy is one of constant improvement, we reserve the right to make specification changes without notice and without incurring liability.

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