

MONSOON



Irrigators Australia Pty Ltd

Monsoon - IRL Diamant

Hard Hose Irrigator

Standard Equipment Fitted

- Manual Draw Bar Jack
- Completely Hot Dipped Galvanised
- 270° Rotation of Reel
- Manual Rear Stabiliser Legs
- Trolley Lift System
- Pressure Gauge
- Layflat Delivery Hose 4M with take off coupling to suit
- PTO Winding Handle
- Direct Coupled Turbine
- Rewind Speed Controller
- Solar Panel & 12v Battery

Hose Size Options

- 90mm / 350m • 100mm / 220m • 110mm / 440m • 110mm / 350m

Optional Extras

- Slow Closing Valve • Controller Pressure Gauge • Controller 3 Multi Speed Upgrade

Sprinkler Gun Model

- Sime Reflex Sprinkler Gun with Nozzle Kit
- Fully Galvanised
- 2 Wheel Trolley with Counter Weights



Boom Model

Boom Options -

- Raptor 27/35 Boom
- Raptor 39/44 Boom
- Raptor 47/55 Boom

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IRL Diamant Performance Charts

Model 90 - 350 with Sprinkler Gun

PE HOSE: O.D. mm			FIELD-PIPE LENGTH MT					SPEED MT/H	SPEED MT/H	SPEED MT/H		SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H	SPEED MT/H							
90			350					10	20	30		40	50	60	70	80	90	100									
nozzle diam mm	nozzle pres bar	theoric throw mt	Flow mc/h	Flow l/min	Flow l/s	Pull to pull dist. mt	Irrigated area per pull Ha	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar						
16	2	24.15	13.6	227	4	38.6	1.35	35	2.6	18	2.7	12	2.9	9	3.1	7	3.2	6	3.4	5	3.6	4	3.7	4	3.9	4	4.1
16	2.5	27.00	15.2	254	4.2	43.2	1.51	35	3.2	18	3.3	12	3.5	9	3.7	7	3.8	6	4.0	5	4.2	4	4.3	4	4.5	4	4.7
16	3	29.58	16.7	278	4.6	47.3	1.66	35	3.7	18	3.9	12	4.1	9	4.2	7	4.4	6	4.6	5	4.7	4	4.9	4	5.1	4	5.2
16	4	34.15	19.2	321	5.3	54.6	1.91	35	4.9	18	5.1	12	5.3	9	5.4	7	5.6	6	5.8	5	5.9	4	6.1	4	6.3	4	6.4
16	5	38.18	21.5	359	6.0	61.1	2.14	35	6.1	18	6.3	12	6.4	9	6.6	7	6.8	6	6.9	5	7.1	4	7.3	4	7.4	4	7.6
18	2	25.61	17.2	287	4.8	41.0	1.43	42	2.8	21	2.9	14	3.1	11	3.3	8	3.4	7	3.6	6	3.8	5	3.9	5	4.1	4	4.3
18	3.0	31.37	21.1	352	5.9	50.2	1.76	42	4.1	21	4.2	14	4.4	11	4.6	8	4.7	7	4.9	6	5.1	5	5.2	5	5.4	4	5.6
18	4	36.22	24.4	406	6.8	58.0	2.03	42	5.3	21	5.5	14	5.7	11	5.8	8	6.0	7	6.2	6	6.3	5	6.5	5	6.7	4	6.8
18	5	40.50	27.2	454	7.6	64.8	2.27	42	6.6	21	6.8	14	6.9	11	7.1	8	7.3	7	7.4	6	7.6	5	7.8	5	7.9	4	8.1
18	6	44.37	29.8	497	8.3	71.0	2.48	42	7.9	21	8.0	14	8.2	11	8.4	8	8.5	7	8.7	6	8.9	5	9.0	5	9.2	4	9.4
20	2	27.00	21.3	354	5.9	43.2	1.51	49	3.1	25	3.2	16	3.4	12	3.6	10	3.7	8	3.9	7	4.1	6	4.2	5	4.4	5	4.6
20	3.0	33.07	26.0	434	7.2	52.9	1.85	49	4.5	25	4.6	16	4.8	12	5.0	10	5.1	8	5.3	7	5.5	6	5.6	5	5.8	5	6.0
20	4	38.18	30.1	501	8.4	61.1	2.14	49	5.9	25	6.0	16	6.2	12	6.4	10	6.5	8	6.7	7	6.9	6	7.0	5	7.2	5	7.4
20	5	42.69	33.6	560	9.3	68.3	2.39	49	7.3	25	7.4	16	7.6	12	7.8	10	7.9	8	8.1	7	8.3	6	8.4	5	8.6	5	8.8
20	6	46.77	36.8	614	10.2	74.8	2.62	49	8.7	25	8.8	16	9.0	12	9.2	10	9.3	8	9.5	7	9.7	6	9.8	5	10.0	5	10.2
22	2	28.32	25.7	429	7.1	45.3	1.59	57	3.5	28	3.6	19	3.8	14	4.0	11	4.1	9	4.3	8	4.5	7	4.6	6	4.8	6	5.0
22	3.0	34.68	31.5	525	8.8	55.5	1.94	57	5.0	28	5.2	19	5.4	14	5.5	11	5.7	9	5.9	8	6.0	7	6.2	6	6.4	6	6.5
22	4	40.05	36.4	606	10.1	64.1	2.24	57	6.6	28	6.8	19	6.9	14	7.1	11	7.3	9	7.4	8	7.6	7	7.8	6	7.9	6	8.1
22	5	44.77	40.7	678	11.3	71.6	2.51	57	8.2	28	8.3	19	8.5	14	8.7	11	8.8	9	9.0	8	9.2	7	9.3	6	9.5	6	9.7
22	6	49.05	44.6	743	12.4	78.5	2.75	57	9.7	28	9.9	19	10.1	14	10.2	11	10.4	9	10.6	8	10.7	7	10.9	6	11.1	6	11.2
24	2	29.58	30.6	510	8.5	47.3	1.66	65	3.9	32	4.1	22	4.3	16	4.4	13	4.6	11	4.8	9	4.9	8	5.1	7	5.3	6	5.4
24	3	36.22	37.5	625	10.4	58.0	2.03	65	5.7	32	5.9	22	6.1	16	6.2	13	6.4	11	6.6	9	6.7	8	6.9	7	7.1	6	7.2
24	4	41.83	43.3	722	12.0	66.9	2.34	65	7.5	32	7.7	22	7.9	16	8.0	13	8.2	11	8.4	9	8.5	8	8.7	7	8.9	6	9.0
24	5	46.77	48.4	807	13.4	74.8	2.62	65	9.3	32	9.5	22	9.6	16	9.8	13	10.0	11	10.1	9	10.3	8	10.5	7	10.6	6	10.8
24	6	51.23	53.0	884	14.7	82.0	2.87	65	11.1	32	11.2	22	11.4	16	11.6	13	11.7	11	11.9	9	12.1	8	12.2	7	12.4	6	12.6
26	2	30.78	35.9	599	10.0	49.3	1.72	73	4.6	36	4.7	24	4.9	18	5.1	15	5.2	12	5.4	10	5.6	9	5.7	8	5.9	7	6.1
26	3	37.70	44.0	733	12.2	60.3	2.11	73	6.6	36	6.8	24	7.0	18	7.1	15	7.3	12	7.5	10	7.6	9	7.8	8	8.0	7	8.1
26	4	43.54	50.8	847	14.1	69.7	2.44	73	8.7	36	8.9	24	9.0	18	9.2	15	9.4	12	9.5	10	9.7	9	9.9	8	10.0	7	10.2
26	5	48.67	56.8	947	15.8	77.9	2.73	73	10.7	36	10.9	24	11.1	18	11.2	15	11.4	12	11.6	10	11.7	9	11.9	8	12.1	7	12.2
26	6	53.32	62.2	1037	17.3	85.3	2.99	73	12.8	36	12.9	24	13.1	18	13.3	15	13.4	12	13.6	10	13.8	9	13.9	8	14.1	7	14.3

Model 90 - 350 with 39/44 Boom

Boom	Nozzle	ATM	Total Capacity			Irrigated Area	Speed MT/H, Rate & Inlet Pressure														
			lt/sec	lt/min	mc/h		HA	10		20		30		40		50		75		100	
								mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm	BAR
Model 39 / 44	Green	1	6.15	369.2553191	22.16	1.46	51.5	2.1	25.8	2.3	17.2	2.4	12.9	2.6	10.3	2.8	6.9	3.2	5.2	3.6	
		2	8.78	526.9148936	31.61		73.5	4.0	36.8	4.2	24.5	4.3	18.4	4.5	14.7	4.7	9.8	5.1	7.4	5.5	
		3	10.42	625.493617	37.53		87.3	5.7	43.6	5.8	29.1	6.0	21.8	6.2	17.5	6.3	11.6	6.8	8.7	7.2	
	Yellow	1	7.32	438.9574468	26.34	1.46	61.2	2.5	30.6	2.6	20.4	2.8	15.3	3.0	12.2	3.1	8.2	3.6	6.1	4.0	
		2	10.18	610.5574468	36.63		85.2	4.6	42.6	4.7	28.4	4.9	21.3	5.1	17.0	5.2	11.4	5.7	8.5	6.1	
		3	12.52	750.9574468	45.06		104.8	6.7	52.4	6.9	34.9	7.0	26.2	7.2	21.0	7.4	14.0	7.8	10.5	8.2	
	Red	1	8.71	522.6	31.36	1.46	72.9	3.0	36.5	3.1	24.3	3.3	18.2	3.5	14.6	3.6	9.7	4.1	7.3	4.5	
		2	12.03	722.0808511	43.32		100.8	5.4	50.4	5.6	33.6	5.8	25.2	5.9	20.2	6.1	13.4	6.5	10.1	6.9	
		3	14.61	876.4212766	52.59		122.3	7.9	61.1	8.0	40.8	8.2	30.6	8.4	24.5	8.5	16.3	8.9	12.2	9.4	
Black	1	12.76	765.7276596	45.94	1.46	106.8	4.8	53.4	5.0	35.6	5.2	26.7	5.3	21.4	5.5	14.2	5.9	10.7	6.3		
	2	18.04	1082.374468	64.94		151.0	9.1	75.5	9.3	50.3	9.4	37.8	9.6	30.2	9.8	20.1	10.2	15.1	10.6		
	3	21.40	1284.012766	77.04		179.2	12.7	89.6	12.9	59.7	13.0	44.8	13.2	35.8	13.4	23.9	13.8	17.9	14.2		

Customer Support, Technical Service & Sales

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