

# MONSOON



## Irrigators Australia Pty Ltd

### Monsoon D4AWSM

Hard Hose Irrigator

#### Standard Equipment Fitted

- Hydraulic Telescopic Front Feet on Draw Bar
- Completely Hot Dipped Galvanised
- PTO Rewind Shaft
- Tractor Feed Hydraulic System
- Hydraulic Rear Stabiliser Legs
- Hydraulic Slew/Rotation of Reel
- Automatic Trolley Lift System
- Pressure Gauge
- Layflat Delivery Hose 6M with take of coupling to suit
- PTO Winding Handle
- 4 Speed Gearbox
- Direct Coupled Turbine
- Safety Cut Out System for Hose Indexing
- Rewind Speed Controller (Includes hose counter & Irrigation run timer)
- Solar Panel & 12v Battery

#### Hose Size Options

- 125mm / 480m - 500m
- 125mm / 520m - 540m

#### Optional Extras

- Slow Closing Valve
- Controller Pressure Gauge
- Controller 3 Multi Speed Upgrade
- Purge Kit

### Sprinkler Gun Model

- Komet Ultra 202 Sprinkler Gun
- Fully Galvanised
- 3 Wheel Trolley with Counter Weights

MODEL	INLET PRESSURE REQUIRED	FLOW RATE	UNIFORM WATERED AREA
125/480	5.2 - 7.0 BAR	12.5 - 25.6	72 - 78
125/540	5.0 - 7.3 BAR	14.8 - 24	66 - 78

### Raptor Boom Model

Boom Options -

- 47 / 55, 51/59 4 Wheel Trolley
- Fixed or Adjustable Height to 2.0M

MODEL	INLET PRESSURE REQUIRED	FLOW RATE	UNIFORM WATERED AREA
125/480	4.1 - 5.7 BAR	19.25	55
125/540	4.3 - 5.2 BAR	17.5 - 25.5	55



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### Monsoon D4AWSM Performance Chart

### Model 125-520 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	
125			520					10		20		30		40		50		60		70	
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
26	2	30.78	35.9	599	10	49.3	2.56	73	2.9	36	3.0	24	3.2	18	3.4	15	3.5	12	3.7	10	3.9
26	3.0	37.70	44.0	733	12.2	60.3	3.14	73	4.2	36	4.4	24	4.5	18	4.7	15	4.9	12	5.0	10	5.2
26	4	43.54	50.8	847	14.1	69.7	3.62	73	5.5	36	5.7	24	5.9	18	6.0	15	6.2	12	6.4	10	6.5
26	5	48.67	56.8	947	15.8	77.9	4.05	73	6.8	36	7.0	24	7.2	18	7.3	15	7.5	12	7.7	10	7.8
26	6	53.32	62.2	1037	17.3	85.3	4.44	73	8.1	36	8.3	24	8.5	18	8.6	15	8.8	12	9.0	10	9.1
28	2	31.95	41.7	695	11.6	51.1	2.66	82	3.1	41	3.3	27	3.4	20	3.6	16	3.8	14	3.9	12	4.1
28	3.0	39.13	51.0	851	14.2	62.6	3.26	82	4.5	41	4.7	27	4.9	20	5.0	16	5.2	14	5.4	12	5.5
28	4	45.18	58.9	982	16.4	72.3	3.76	82	6.0	41	6.1	27	6.3	20	6.5	16	6.6	14	6.8	12	7.0
28	5	50.51	65.9	1098	18.3	80.8	4.20	82	7.4	41	7.5	27	7.7	20	7.9	16	8.0	14	8.2	12	8.4
28	6	55.33	72.2	1203	20.0	88.5	4.60	82	8.8	41	8.9	27	9.1	20	9.3	16	9.4	14	9.6	12	9.8
30	3	40.50	58.6	977	16.3	64.8	3.37	90	4.9	45	5.1	30	5.3	23	5.4	18	5.6	15	5.8	13	5.9
30	4.0	46.77	67.7	1128	18.8	74.8	3.89	90	6.5	45	6.6	30	6.8	23	7.0	18	7.1	15	7.3	13	7.5
30	5	52.29	75.6	1261	21.0	83.7	4.35	90	8.0	45	8.2	30	8.3	23	8.5	18	8.7	15	8.8	13	9.0
30	6	57.28	82.9	1381	23.0	91.6	4.77	90	9.5	45	9.7	30	9.9	23	10.0	18	10.2	15	10.4	13	10.5
30	7	61.86	89.5	1492	24.9	99.0	5.15	90	11.0	45	11.2	30	11.4	23	11.5	18	11.7	15	11.9	13	12.0
32	3	41.83	66.7	1111	18.5	66.9	3.48	100	5.4	50	5.6	33	5.7	25	5.9	20	6.1	17	6.2	14	6.4
32	4.0	48.30	77.0	1283	21.4	77.3	4.02	100	7.1	50	7.3	33	7.4	25	7.6	20	7.8	17	7.9	14	8.1
32	5	54.00	86.1	1434	23.9	86.4	4.49	100	8.8	50	8.9	33	9.1	25	9.3	20	9.4	17	9.6	14	9.8
32	6	59.15	94.3	1571	26.2	94.6	4.92	100	10.4	50	10.6	33	10.8	25	10.9	20	11.1	17	11.3	14	11.4
32	7	63.89	101.8	1697	28.3	102.2	5.32	100	12.1	50	12.3	33	12.4	25	12.6	20	12.8	17	12.9	14	13.1
34	3	43.12	75.3	1254	20.9	69.0	3.59	109	6.0	55	6.1	36	6.3	27	6.5	22	6.6	18	6.8	16	7.0
34	4	49.79	86.9	1448	24.1	79.7	4.14	109	7.8	55	8.0	36	8.2	27	8.3	22	8.5	18	8.7	16	8.8
34	5	55.66	97.2	1619	27.0	89.1	4.63	109	9.7	55	9.9	36	10.0	27	10.2	22	10.4	18	10.5	16	10.7
34	6	60.97	106.4	1774	29.6	97.6	5.07	109	11.5	55	11.7	36	11.8	27	12.0	22	12.2	18	12.3	16	12.5
34	7	65.86	115.0	1916	31.9	105.4	5.48	109	13.3	55	13.5	36	13.7	27	13.8	22	14.0	18	14.2	16	14.3
36	4	51.23	97.4	1624	27.1	82.0	4.26	119	8.7	59	8.9	40	9.0	30	9.2	24	9.4	20	9.5	17	9.7
36	5	57.28	108.9	1815	30.3	91.6	4.77	119	10.8	59	10.9	40	11.1	30	11.3	24	11.4	20	11.6	17	11.8

### Model 125-520 with 47/55 Boom

MOD.	BOOM	Nozzle	BAR	Total capacity			Irrigated area	SPEED MT/H , RATE AND INLET PRESSURE													
								10		20		30		40		50		75		100	
				lt/sec	lt/min	mc/h		HA	mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm	BAR	mm
47	55	Green	1	7.42	445	26.70	2.65	52.4	1.6	26.2	1.7	17.5	1.9	13.1	2.1	10.5	2.2	7.0	2.7	5.2	3.1
			2	10.58	635	38.10		74.7	3.0	37.4	3.1	24.9	3.3	18.7	3.5	14.9	3.6	10.0	4.0	7.5	4.5
			3	12.56	753.8	45.23		88.7	4.3	44.3	4.4	29.6	4.6	22.2	4.8	17.7	4.9	11.8	5.3	8.9	5.8
	Yellow	1	8.82	529	31.74	2.65	62.2	1.7	31.1	1.9	20.7	2.1	15.6	2.2	12.4	2.4	8.3	2.8	6.2	3.2	
		2	12.26	735.8	44.15		86.6	3.2	43.3	3.4	28.9	3.5	21.6	3.7	17.3	3.9	11.5	4.3	8.7	4.7	
		3	15.08	905	54.30		106.5	4.7	53.2	4.9	35.5	5.0	26.6	5.2	21.3	5.4	14.2	5.8	10.6	6.2	
	Red	1	10.50	629.8	37.79	2.65	74.1	2.0	37.0	2.1	24.7	2.3	18.5	2.5	14.8	2.6	9.9	3.0	7.4	3.5	
		2	14.50	870.2	52.21		102.4	3.6	51.2	3.8	34.1	3.9	25.6	4.1	20.5	4.3	13.7	4.7	10.2	5.1	
		3	17.60	1056.2	63.37		124.3	5.2	62.1	5.4	41.4	5.5	31.1	5.7	24.9	5.9	16.6	6.3	12.4	6.7	
	Black	1	15.38	922.8	55.36	2.65	108.5	2.8	54.3	2.9	36.2	3.1	27.1	3.3	21.7	3.4	14.5	3.8	10.9	4.3	
		2	21.74	1304.4	78.26		153.5	5.2	76.7	5.4	51.2	5.5	38.4	5.7	30.7	5.9	20.5	6.3	15.3	6.7	
		3	25.79	1547.4	92.84		182.0	7.3	91.0	7.5	60.7	7.7	45.5	7.8	36.4	8.0	24.3	8.4	18.2	8.8	

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