

MONSOON

IRRIGATORS AUSTRALIA PTY LTD ABN 38 058 479 155



**Quality
Superb
Uniformity**

**Ultimate
Watering
Efficiency**

AFVT48/56 M25 BOOM
ILLUSTRATED

1100C1A/350M
ILLUSTRATED

HOSE REEL IRRIGATOR PERFORMANCE

MODEL	25	AFVT-FVT 36/44						AFVT-FVT 42/50						AFVT-FVT 48/56					
Area of Irrigation	m	44 Max						50 Max						56 Max					
Nozzle	No.	37 Plus 2x6mm Adjustable End Nozzle						43 Plus 2x6mm Adjustable End Nozzle						49 Plus 2x6mm Adjustable End Nozzle					
Nozzle Diameter	mm	4		5		6		4		5		6		4		5		6	
Boom Pressure	Kpa	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150
Nozzle Flow-rate	Lt/Sec	0.16	0.21	0.22	0.28	0.30	0.38	0.16	0.21	0.22	0.28	0.30	0.38	0.16	0.21	0.22	0.28	0.30	0.38
Boom Flow-rate	Lt/Sec	6.9	9.3	9.2	11.8	12.2	15.6	7.5	9.9	10.3	13.2	14.1	17.9	8.5	11.2	11.8	15	16	20.2
MM's Applied	20m/h	26	35	35	45	46	59	25	33	34	44	47	60	25	33	36	45	48	60
	30m/h	17	23	23	30	31	39	17	22	23	29	31	40	22	23	30	32	40	
To Stripe	40m/h	13	18	17	22	23	30	13	17	17	22	24	30	13	17	18	22	24	30
	At Various	50m/h	10	14	14	18	18	24	10	13	14	18	19	24	10	13	14	18	19
In-Wind Speeds	60m/h	9	12	12	15	15	20	8	11	12	15	16	20	8	11	12	15	16	20

MODEL	Machine Inlet Pressure	Boom 25 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	Hectares
820 BA	210	FVT36	4	6.9	1.34
	300	FVT36	4	9.3	1.34
	450	FVT36	4	9.3	1.34
300M	390	FVT36	5	9.2	1.34
	620	FVT36	5	11.8	1.34
900 BA	260	FVT42	4	7.5	1.83
	400	FVT42	4	9.9	1.83
	320M	380	FVT42	5	10.3
1000 BA	580	FVT42	5	13.2	1.83
	270	FVT42	5	10.3	1.62
	410	FVT42	5	13.2	1.62
270M	430	FVT42	6	14.1	1.62
	1000 CA	580	FVT42	6	17.9
240		FVT48	4	8.5	2.16
380		FVT48	4	11.2	2.16
380M		350	FVT48	5	11.8



25 SERIES

MODEL	Machine Inlet Pressure	Boom 25 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	Hectares
1100 CA	210	FVT48	5	11.8	1.70
	320	FVT48	5	15	1.70
	300	FVT48	6	16	1.70
290M	460	FVT48	6	20.2	1.70
	1100 C1A	240	FVT48	5	11.8
360		FVT48	5	15	1.93
350		FVT48	6	16	1.93
350M		520	FVT48	6	20.2
1100 C2A	250	FVT48	5	11.8	2.39
	390	FVT48	5	15	2.39
	370	FVT48	6	16	2.39
	420M	560	FVT48	6	20.2
1100 D1A	290	FVT48	5	11.8	2.61
	450	FVT48	5	15	2.61
	430	FVT48	6	16	2.61
	460M	650	FVT48	6	20.2

SUPPLIERS AND INSTALLERS OF PUMPING AND IRRIGATION EQUIPMENT

Admin, Sales & Factory: 31 Lawson Crescent, Coffs Harbour NSW 2450. PO Box 514 Phone: 02 6652 5264 Fax: 02 6652 8595
 After Hours: 0428 665 747 Email: rbeavis@monsoonirrigators.com.au Web: www.monsoonirrigators.com.au

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IRRIGATORS AUSTRALIA PTY LTD ABN 38 058 479 155



**Versatility
Labour
Saving**

**Low
Pressure
Cost
Efficiency**

**1250 D3/450 M
ILLUSTRATED**

**AVT 91S 64/72 BOOM
ILLUSTRATED**

HOSE REEL BOOM IRRIGATOR PERFORMANCE

MODEL	91	AVT-AFVT 46/54						AVT"S" 56/64						AVT"S" 64/72					
Area of Irrigation	m	54 Max						64 Max						72 Max					
Nozzle	No.	47 Plus 2x8mm Adjustable End Nozzle						57 Plus 2x10mm Adjustable End Nozzle						65 Plus 2x10mm Adjustable End Nozzle					
Nozzle Diameter	mm	4		5		6		4		5		6		4		5		6	
Boom Pressure	Kpa	150	200	150	200	150	200	150	200	150	200	100	150	150	200	150	200	100	150
Nozzle Flow-rate	Lt/Sec	0.21	0.25	0.28	0.33	0.38	0.45	0.21	0.25	0.28	0.33	0.30	0.38	0.21	0.25	0.28	0.33	0.30	0.38
Boom Flow-rate	Lt/Sec	12	14.3	14.8	17.5	20	23.8	15.5	18.5	19.5	23	20.5	25.5	17.5	20.5	21.5	25	22.5	28.5
MM's Applied To Stripe At Various In-Wind Speeds	20m/h	37	44	46	54	62	73	40	48	51	60	53	66	40	47	50	58	52	66
	30m/h	25	29	30	36	41	49	27	32	34	40	36	44	27	32	33	38	35	44
	40m/h	18	22	23	27	31	37	20	24	25	30	27	33	20	24	25	29	26	33
	50m/h	15	17	18	22	25	29	16	19	20	24	21	26	16	19	20	23	21	26
60m/h	12	14	15	18	21	24	13	16	17	20	18	22	13	16	17	19	17	22	

MODEL	Machine Inlet Pressure	Boom 91 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	
1100 C2A	Hectares				
		370 AVT46	4	14.3	1.92
		450 AVT46	5	17.5	1.92
		340 AVT56	4	15.5	2.27
		430 AVT56	5	19.5	2.27
350M		400 AVT64	4	17.5	2.56
		490 AVT64	5	21.5	2.56
1100 C2A		400 AVT46	4	14.3	2.30
		490 AVT46	5	17.5	2.30
		370 AVT56	4	15.5	2.73
		480 AVT56	5	19.5	2.73
420M		440 AVT64	4	17.5	3.07
		540 AVT64	5	21.5	3.07
1100 D1A		410 AVT46	4	14.3	2.52
		510 AVT46	5	17.5	2.52
		380 AVT56	4	15.5	2.99
		500 AVT56	5	19.5	2.99
460M		460 AVT64	4	17.5	3.36



91 SERIES

MODEL	Machine Inlet Pressure	Boom 91 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	Hectares
1250 D1A		370 AVT46	5	17.5	1.86
		480 AVT46	6	23.8	1.86
		360 AVT56	5	19.5	2.21
		490 AVT56	6	25.5	2.21
		410 AVT64	5	21.5	2.48
350M		560 AVT64	6	28.5	2.48
		410 AVT46	5	17.5	2.41
1250 D1AS		550 AVT46	6	23.8	2.41
		410 AVT56	5	19.5	2.86
		570 AVT56	6	25.5	2.86
		470 AVT64	5	21.5	3.21
420M		660 AVT64	6	28.5	3.21
		430 AVT46	5	17.5	2.68
1250 D3		580 AVT46	6	23.8	2.68
		430 AVT56	5	19.5	3.18
		610 AVT56	6	25.5	3.18
		500 AVT64	5	21.5	3.58
		520 AVT64	6	22.5	3.58
470M					

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IRRIGATORS AUSTRALIA PTY LTD ABN 38 058 479 155



Superior Quality

**COMPLETE STRUCTURE
HOT DIP GALVANISED
ALL MODELS**

"J" SERIES

Millenium Series

"G" – GARDEN

"J" – JUNIOR

"S" – SILVER

ADVANCED FEATURES

- Pelton Turbine (Handles Effluent with Ease)
- Multi Speed Gearbox
- Direct Pinion / Ring Gear Drive
- PE Hose with 3 Year Guarantee
- * 360° Turntable
- * Self Loading Sprinkler Trolley
- * Tractor PTO Rewind
- * Std. on all "J" & "S" Models



**FVT 16/22 BOOM
SUITABLE ALL "J" & "S" MODELS**

Superb Performance

HOSE REEL IRRIGATOR PERFORMANCE

MODEL	Pressure		Sprinkler Nozzle Size	Rate of Flow	Wetted Stripe Max Width	Irrigated Area Calculated Approx 65% of Stripe	Hyd Spacing Required for Recommended Irrigated Area	Average Precipitation Applied to Irrigated Area Per Hour
	Machine	Sprinkler						
	Kpa	Kpa	mms	Lt/Sec	Metres	Hectares	Metres	mms
500G	420	300	8	1.7	44	0.40	30	1.61
	470	300	10	2.3	48	0.42	32	2.06
	580	300	12	3.1	52	0.42	32	2.37
150M	730	300	14	4.0	55	0.55	36	3.17
630J	460	350	14	3.9	64	0.65	42	2.29
	520	350	16	5.1	69	0.65	42	3.01
	600	350	18	6.5	73	0.74	48	3.35
150M	690	350	20	8.0	78	0.74	48	4.13
630S	500	350	14	3.9	64	0.86	42	1.72
	580	350	16	5.1	69	0.86	42	2.26
	690	350	18	6.5	73	0.98	48	2.51
200M	800	350	20	8.0	78	0.98	48	3.10
630S	580	350	14	3.9	64	1.30	42	1.15
	690	350	16	5.1	69	1.45	42	1.50
	780	300	18	6.0	69	1.45	42	1.65
300M	900	300	20	7.4	73	1.55	48	1.95
750S	550	350	16	5.1	69	1.29	42	1.41
	600	350	18	6.5	73	1.47	48	1.59
	670	350	20	8.0	78	1.47	48	1.94
300M	770	350	22	9.7	82	1.64	54	2.09

Features Low Pressure Operation



"G" SERIES

Note: For 630-750 Models Performance Calculations based on Komet Twin 101 Plus Sprinkler Gun

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IRRIGATORS AUSTRALIA PTY LTD **ABN 38 058 479 155** HOSE REEL IRRIGATOR PERFORMANCE

MODEL	Pressure		Komet Nozzle Size	Rate of Flow	Wetted Stripe Max Width	Irrigated Area Calculated Approx 65% of Stripe	Hyd Spacing Required for Recommended Irrigated Area	Average Precipitation Applied to Irrigated Area Per Hour	Precipitation Applied to Irrigated Area in Millimetres				
	Machine	Sprinkler							PE Hose In-Wind Speed Meters per hour				
	Kpa	Kpa	mms	Lt/Sec	Metres	Hectares	Metres	mms	10	20	30	40	50
820S 250M	500	350	20	8.0	78	1.17	48	2.45	60	31	20	16	12
	500	300	22	9.0	77	1.17	48	2.77	68	34	23	18	13
	600	350	22	9.7	82	1.31	54	2.65	66	33	22	17	13
	600	300	24	10.7	81	1.31	54	2.94	72	36	24	18	14
900S 200M	510	350	22	9.7	82	1.21	54	3.02	60	30	20	15	12
	570	350	24	11.5	86	1.21	54	3.58	71	35	24	18	14
	680	350	26	13.5	90	1.34	60	3.78	75	37	25	19	15
	650	300	28	14.5	88	1.34	60	4.06	80	40	27	20	16
900 IRL 300M	500	300	22	9.0	77	0.95	54	3.62	66	33	22	16	13
	550	300	24	10.7	81	0.95	54	4.30	78	38	26	20	15
	650	350	24	11.5	86	1.08	54	4.54	82	41	27	21	16
	650	300	26	12.5	84	1.08	54	4.88	88	44	30	22	17
1000 IRL 220M	440	350	24	11.5	86	1.15	54	3.60	78	39	26	20	15
	500	350	26	13.5	90	1.30	60	3.80	83	41	27	21	16
	530	350	28	15.7	93	1.30	60	4.45	96	47	32	24	18
	520	300	30	16.6	91	1.30	60	4.70	101	51	34	25	20
1000 BA 270M	480	350	24	11.5	86	1.45	54	2.86	78	39	26	20	15
	560	350	26	13.5	90	1.55	60	3.00	82	41	27	21	16
	600	350	28	15.7	93	1.55	60	3.52	95	47	32	24	19
	600	300	30	16.6	91	1.55	60	3.69	101	51	34	25	20
1000 CA 380M	550	350	24	11.5	86	2.08	54	2.07	71	35	24	18	14
	650	350	26	13.5	90	2.31	60	2.19	75	37	25	19	15
	710	350	28	15.7	93	2.31	60	2.54	87	43	29	22	17
	720	350	30	16.6	91	2.31	60	2.69	92	46	31	23	18
1100 CA 290M	450	350	25	12.2	99	1.83	60	2.50	68	34	23	17	14
	520	350	27.5	14.8	105	2.01	66	2.76	75	37	25	19	15
	570	350	30	17.5	111	2.19	72	2.99	81	40	27	20	16
	650	350	32.5	20.6	116	2.19	72	3.52	95	48	32	24	19
1100 C1A 350M	470	350	25	12.2	99	2.13	60	2.15	68	34	23	17	14
	550	350	27.5	14.8	105	2.34	66	2.37	75	37	25	19	15
	610	350	30	17.5	111	2.56	72	2.57	81	40	27	20	16
	700	350	32.5	20.6	116	2.56	72	3.02	95	48	32	24	19
1100 C2A 420M	500	350	25	12.2	99	2.56	60	1.79	68	34	23	17	14
	590	350	27.5	14.8	105	2.81	66	1.97	75	37	25	19	15
	660	350	30	17.5	111	3.07	72	2.14	81	40	27	20	16
	770	350	32.5	20.6	116	3.07	72	2.52	95	48	32	24	19
1250 C2A 250M	450	350	30	17.5	111	1.83	72	3.59	81	40	27	20	16
	550	350	32.5	20.6	116	1.83	72	4.23	95	48	32	24	19
	540	350	35	24.0	121	1.98	78	4.55	102	51	34	26	20
	610	350	37.5	27.5	126	1.98	78	5.21	117	59	39	29	23
1250 D1A 350M	480	350	30	17.5	111	2.48	72	2.64	81	40	27	20	16
	550	350	32.5	20.6	116	2.48	72	3.11	95	48	32	24	19
	600	350	35	24.0	121	2.69	78	3.34	102	51	34	26	20
	700	350	37.5	27.5	126	2.69	78	3.83	117	59	39	29	23
1250 D1AS 420M	520	350	30	17.5	111	3.21	72	2.04	81	40	27	20	16
	610	350	32.5	20.6	116	3.21	72	2.40	95	48	32	24	19
	680	350	35	24.0	121	3.48	78	2.58	102	51	34	26	20
	700	400	37.5	25.6	126	3.48	78	2.76	109	55	36	27	22
1250 D3 470M	500	350	27.5	14.8	105	3.35	66	1.66	75	37	25	19	15
	550	350	30	17.5	111	3.65	72	1.80	81	40	27	20	16
	650	350	32.5	20.6	116	3.65	72	2.11	95	48	32	24	19
	730	350	35	24.0	121	3.96	78	2.27	102	51	34	26	20
1400 IRL 400M	500	350	32.5	20.6	116	3.07	72	2.52	95	48	32	24	19
	550	350	35	24.0	121	3.32	78	2.71	102	51	34	26	20
	630	350	37.5	27.5	126	3.32	78	3.10	117	59	39	29	23
	740	350	40	31.3	129	3.58	84	3.28	124	62	41	31	25

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