

MONSOON

THE COST EFFICIENT IRRIGATORS

Hose Reel Sprinkler Performance Chart

1250IRL/400M

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			
125			400					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	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	1.97	73	2.7	36	2.9	24	3.1	18	3.2	15	3.4	12	3.6	10	3.7	9	3.9	8	4.1	7	4.2
26	3.0	37.70	44.0	733	12.2	60.3	2.41	73	4.0	36	4.1	24	4.3	18	4.5	15	4.6	12	4.8	10	5.0	9	5.1	8	5.3	7	5.5
26	4	43.54	50.8	847	14.1	69.7	2.79	73	5.2	36	5.4	24	5.5	18	5.7	15	5.9	12	6.0	10	6.2	9	6.4	8	6.5	7	6.7
26	5	48.67	56.8	947	15.8	77.9	3.12	73	6.5	36	6.6	24	6.8	18	7.0	15	7.1	12	7.3	10	7.5	9	7.6	8	7.8	7	8.0
26	6	53.32	62.2	1037	17.3	85.3	3.41	73	7.7	36	7.9	24	8.0	18	8.2	15	8.4	12	8.5	10	8.7	9	8.9	8	9.0	7	9.2
28	2	31.95	41.7	695	11.6	51.1	2.04	82	2.9	41	3.1	27	3.2	20	3.4	16	3.6	14	3.7	12	3.9	10	4.1	9	4.2	8	4.4
28	3.0	39.13	51.0	851	14.2	62.6	2.50	82	4.2	41	4.4	27	4.6	20	4.7	16	4.9	14	5.1	12	5.2	10	5.4	9	5.6	8	5.7
28	4	45.18	58.9	982	16.4	72.3	2.89	82	5.5	41	5.7	27	5.9	20	6.0	16	6.2	14	6.4	12	6.5	10	6.7	9	6.9	8	7.0
28	5	50.51	65.9	1098	18.3	80.8	3.23	82	6.9	41	7.0	27	7.2	20	7.4	16	7.5	14	7.7	12	7.9	10	8.0	9	8.2	8	8.4
28	6	55.33	72.2	1203	20.0	88.5	3.54	82	8.2	41	8.3	27	8.5	20	8.7	16	8.8	14	9.0	12	9.2	10	9.3	9	9.5	8	9.7
30	3	40.50	58.6	977	16.3	64.8	2.59	90	4.5	45	4.7	30	4.9	23	5.0	18	5.2	15	5.4	13	5.5	11	5.7	10	5.9	9	6.0
30	4.0	46.77	67.7	1128	18.8	74.8	2.99	90	5.9	45	6.1	30	6.3	23	6.4	18	6.6	15	6.8	13	6.9	11	7.1	10	7.3	9	7.4
30	5	52.29	75.6	1261	21.0	83.7	3.35	90	7.4	45	7.5	30	7.7	23	7.9	18	8.0	15	8.2	13	8.4	11	8.5	10	8.7	9	8.9
30	6	57.28	82.9	1381	23.0	91.6	3.67	90	8.8	45	8.9	30	9.1	23	9.3	18	9.4	15	9.6	13	9.8	11	9.9	10	10.1	9	10.3
30	7	61.86	89.5	1492	24.9	99.0	3.96	90	10.2	45	10.3	30	10.5	23	10.7	18	10.8	15	11.0	13	11.2	11	11.3	10	11.5	9	11.7
32	3	41.83	66.7	1111	18.5	66.9	2.68	100	4.9	50	5.1	33	5.2	25	5.4	20	5.6	17	5.7	14	5.9	12	6.1	11	6.2	10	6.4
32	4.0	48.30	77.0	1283	21.4	77.3	3.09	100	6.4	50	6.6	33	6.8	25	6.9	20	7.1	17	7.3	14	7.4	12	7.6	11	7.8	10	7.9
32	5	54.00	86.1	1434	23.9	86.4	3.46	100	7.9	50	8.1	33	8.3	25	8.4	20	8.6	17	8.8	14	8.9	12	9.1	11	9.3	10	9.4
32	6	59.15	94.3	1571	26.2	94.6	3.79	100	9.5	50	9.6	33	9.8	25	10.0	20	10.1	17	10.3	14	10.5	12	10.6	11	10.8	10	11.0

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			
125			400					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	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar
32	7	63.89	101.8	1697	28.3	102.2	4.09	100	11.0	50	11.1	33	11.3	25	11.5	20	11.6	17	11.8	14	12.0	12	12.1	11	12.3	10	12.5
34	3	43.12	75.3	1254	20.9	69.0	2.76	109	5.3	55	5.5	36	5.7	27	5.8	22	6.0	18	6.2	16	6.3	14	6.5	12	6.7	11	6.8
34	4	49.79	86.9	1448	24.1	79.7	3.19	109	7.0	55	7.2	36	7.3	27	7.5	22	7.7	18	7.8	16	8.0	14	8.2	12	8.3	11	8.5
34	5	55.66	97.2	1619	27.0	89.1	3.56	109	8.6	55	8.8	36	9.0	27	9.1	22	9.3	18	9.5	16	9.6	14	9.8	12	10.0	11	10.1
34	6	60.97	106.4	1774	29.6	97.6	3.90	109	10.3	55	10.4	36	10.6	27	10.8	22	10.9	18	11.1	16	11.3	14	11.4	12	11.6	11	11.8
34	7	65.86	115.0	1916	31.9	105.4	4.22	109	11.9	55	12.1	36	12.2	27	12.4	22	12.6	18	12.7	16	12.9	14	13.1	12	13.2	11	13.4
36	4	51.23	97.4	1624	27.1	82.0	3.28	119	7.7	59	7.8	40	8.0	30	8.2	24	8.3	20	8.5	17	8.7	15	8.8	13	9.0	12	9.2
36	5	57.28	108.9	1815	30.3	91.6	3.67	119	9.5	59	9.6	40	9.8	30	10.0	24	10.1	20	10.3	17	10.5	15	10.6	13	10.8	12	11.0
36	6	62.74	119.3	1989	33.1	100.4	4.02	119	11.3	59	11.4	40	11.6	30	11.8	24	11.9	20	12.1	17	12.3	15	12.4	13	12.6	12	12.8
36	7	67.77	128.9	2148	35.8	108.4	4.34	119	13.0	59	13.2	40	13.4	30	13.5	24	13.7	20	13.9	17	14.0	15	14.2	13	14.4	12	14.5
36	8	72.45	137.8	2296	38.3	115.9	4.64	119	14.8	59	15.0	40	15.1	30	15.3	24	15.5	20	15.6	17	15.8	15	16.0	13	16.1	12	16.3
38	4	52.63	108.5	1809	30.2	84.2	3.37	129	8.4	64	8.6	43	8.8	32	8.9	26	9.1	21	9.3	18	9.4	16	9.6	14	9.8	13	9.9
38	5	58.85	121.4	2023	33.7	94.2	3.77	129	10.4	64	10.6	43	10.7	32	10.9	26	11.1	21	11.2	18	11.4	16	11.6	14	11.7	13	11.9
38	6	64.46	132.9	2216	36.9	103.1	4.13	129	12.4	64	12.5	43	12.7	32	12.9	26	13.0	21	13.2	18	13.4	16	13.5	14	13.7	13	13.9
38	7	69.63	143.6	2393	39.9	111.4	4.46	129	14.3	64	14.5	43	14.7	32	14.8	26	15.0	21	15.2	18	15.3	16	15.5	14	15.7	13	15.8
38	8	74.43	153.5	2558	42.6	119.1	4.76	129	16.3	64	16.4	43	16.6	32	16.8	26	16.9	21	17.1	18	17.3	16	17.4	14	17.6	13	17.8