MONSOON
THE COST EFFICIENT IRRIGATORS

Hose Reel Sprinkler Performance Chart

1000IRL/350M

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	
100			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	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar
18	2	25.61	17.2	287	5	41.0	1.43	42	2.5	21	2.7	14	2.9	11	3.0	8	3.2	7	3.4	6	3.5	5	3.7	5	3.9	4	4.0
18	3.0	31.37	21.1	352	5.9	50.2	1.76	42	3.7	21	3.9	14	4.0	11	4.2	8	4.4	7	4.5	6	4.7	5	4.9	5	5.0	4	5.2
18	4	36.22	24.4	406	6.8	58.0	2.03	42	4.9	21	5.0	14	5.2	11	5.4	8	5.5	7	5.7	6	5.9	5	6.0	5	6.2	4	6.4
18	5	40.50	27.2	454	7.6	64.8	2.27	42	6.0	21	6.2	14	6.4	11	6.5	8	6.7	7	6.9	6	7.0	5	7.2	5	7.4	4	7.5
18	6	44.37	29.8	497	8.3	71.0	2.48	42	7.2	21	7.3	14	7.5	11	7.7	8	7.8	7	8.0	6	8.2	5	8.3	5	8.5	4	8.7
20	2	27.00	21.3	354	5.9	43.2	1.51	49	2.7	25	2.9	16	3.0	12	3.2	10	3.4	8	3.5	7	3.7	6	3.9	5	4.0	5	4.2
20	3.0	33.07	26.0	434	7.2	52.9	1.85	49	4.0	25	4.1	16	4.3	12	4.5	10	4.6	8	4.8	7	5.0	6	5.1	5	5.3	5	5.5
20	4	38.18	30.1	501	8.4	61.1	2.14	49	5.2	25	5.4	16	5.5	12	5.7	10	5.9	8	6.0	7	6.2	6	6.4	5	6.5	5	6.7
20	5	42.69	33.6	560	9.3	68.3	2.39	49	6.4	25	6.6	16	6.8	12	6.9	10	7.1	8	7.3	7	7.4	6	7.6	5	7.8	5	7.9
20	6	46.77	36.8	614	10.2	74.8	2.62	49	7.7	25	7.8	16	8.0	12	8.2	10	8.3	8	8.5	7	8.7	6	8.8	5	9.0	5	9.2
22	2	28.32	25.7	429	7.1	45.3	1.59	57	2.9	28	3.1	19	3.3	14	3.4	11	3.6	9	3.8	8	3.9	7	4.1	6	4.3	6	4.4
22	3.0	34.68	31.5	525	8.8	55.5	1.94	57	4.3	28	4.5	19	4.6	14	4.8	11	5.0	9	5.1	8	5.3	7	5.5	6	5.6	6	5.8
22	4	40.05	36.4	606	10.1	64.1	2.24	57	5.6	28	5.8	19	6.0	14	6.1	11	6.3	9	6.5	8	6.6	7	6.8	6	7.0	6	7.1
22	5	44.77	40.7	678	11.3	71.6	2.51	57	7.0	28	7.1	19	7.3	14	7.5	11	7.6	9	7.8	8	8.0	7	8.1	6	8.3	6	8.5
22	6	49.05	44.6	743	12.4	78.5	2.75	57	8.3	28	8.5	19	8.6	14	8.8	11	9.0	9	9.1	8	9.3	7	9.5	6	9.6	6	9.8
24	2	29.58	30.6	510	8.5	47.3	1.66	65	3.2	32	3.4	22	3.6	16	3.7	13	3.9	11	4.1	9	4.2	8	4.4	7	4.6	6	4.7
24	3.0	36.22	37.5	625	10.4	58.0	2.03	65	4.7	32	4.9	22	5.0	16	5.2	13	5.4	11	5.5	9	5.7	8	5.9	7	6.0	6	6.2
24	4	41.83	43.3	722	12.0	66.9	2.34	65	6.2	32	6.4	22	6.5	16	6.7	13	6.9	11	7.0	9	7.2	8	7.4	7	7.5	6	7.7

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	
100			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	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar
24	5	46.77	48.4	807	13.4	74.8	2.62	65	7.6	32	7.8	22	8.0	16	8.1	13	8.3	11	8.5	9	8.6	8	8.8	7	9.0	6	9.1
24	6	51.23	53.0	884	14.7	82.0	2.87	65	9.1	32	9.3	22	9.4	16	9.6	13	9.8	11	9.9	9	10.1	8	10.3	7	10.4	6	10.6
26	2	30.78	35.9	599	10.0	49.3	1.72	73	3.6	36	3.8	24	3.9	18	4.1	15	4.3	12	4.4	10	4.6	9	4.8	8	4.9	7	5.1
26	3	37.70	44.0	733	12.2	60.3	2.11	73	5.2	36	5.4	24	5.6	18	5.7	15	5.9	12	6.1	10	6.2	9	6.4	8	6.6	7	6.7
26	4	43.54	50.8	847	14.1	69.7	2.44	73	6.9	36	7.0	24	7.2	18	7.4	15	7.5	12	7.7	10	7.9	9	8.0	8	8.2	7	8.4
26	5	48.67	56.8	947	15.8	77.9	2.73	73	8.5	36	8.7	24	8.8	18	9.0	15	9.2	12	9.3	10	9.5	9	9.7	8	9.8	7	10.0
26	6	53.32	62.2	1037	17.3	85.3	2.99	73	10.1	36	10.3	24	10.5	18	10.6	15	10.8	12	11.0	10	11.1	9	11.3	8	11.5	7	11.6
28	2	31.95	41.7	695	11.6	51.1	1.79	82	4.0	41	4.2	27	4.4	20	4.5	16	4.7	14	4.9	12	5.0	10	5.2	9	5.4	8	5.5
28	3	39.13	51.0	851	14.2	62.6	2.19	82	5.9	41	6.1	27	6.2	20	6.4	16	6.6	14	6.7	12	6.9	10	7.1	9	7.2	8	7.4
28	4	45.18	58.9	982	16.4	72.3	2.53	82	7.7	41	7.9	27	8.1	20	8.2	16	8.4	14	8.6	12	8.7	10	8.9	9	9.1	8	9.2
28	5	50.51	65.9	1098	18.3	80.8	2.83	82	9.6	41	9.7	27	9.9	20	10.1	16	10.2	14	10.4	12	10.6	10	10.7	9	10.9	8	11.1
28	6	55.33	72.2	1203	20.0	88.5	3.10	82	11.4	41	11.5	27	11.7	20	11.9	16	12.0	14	12.2	12	12.4	10	12.5	9	12.7	8	12.9