

MONSOON

THE COST EFFICIENT IRRIGATORS

Hose Reel Sprinkler Performance Chart

630J/150M

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			
63			150					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
10	2	19.09	5	89	1	30.5	0.46	17	2.3	9	2.5	6	2.7	4	2.8	3	3.0	3	3.2	2	3.3	2	3.5	2	3.7	2	3.8
10	2.5	21.35	6	99	1.7	34.2	0.51	17	2.9	9	3.0	6	3.2	4	3.4	3	3.5	3	3.7	2	3.9	2	4.0	2	4.2	2	4.4
10	3	23.38	7	109	1.8	37.4	0.56	17	3.4	9	3.6	6	3.7	4	3.9	3	4.1	3	4.2	2	4.4	2	4.6	2	4.7	2	4.9
10	4	27.00	8	125	2.1	43.2	0.65	17	4.5	9	4.7	6	4.8	4	5.0	3	5.2	3	5.3	2	5.5	2	5.7	2	5.8	2	6.0
10	5	30.19	8	140	2.3	48.3	0.72	17	5.6	9	5.7	6	5.9	4	6.1	3	6.2	3	6.4	2	6.6	2	6.7	2	6.9	2	7.1
12	2	20.91	8	128	2.1	33.5	0.50	23	2.5	11	2.7	8	2.8	6	3.0	5	3.2	4	3.3	3	3.5	3	3.7	3	3.8	2	4.0
12	2.5	23.38	9	143	2.4	37.4	0.56	23	3.1	11	3.2	8	3.4	6	3.6	5	3.7	4	3.9	3	4.1	3	4.2	3	4.4	2	4.6
12	3	25.61	9	156	2.6	41.0	0.61	23	3.6	11	3.8	8	4.0	6	4.1	5	4.3	4	4.5	3	4.6	3	4.8	3	5.0	2	5.1
12	4	29.58	11	180	3.0	47.3	0.71	23	4.8	11	5.0	8	5.1	6	5.3	5	5.5	4	5.6	3	5.8	3	6.0	3	6.1	2	6.3
12	5	33.07	12	202	3.4	52.9	0.79	23	5.9	11	6.1	8	6.3	6	6.4	5	6.6	4	6.8	3	6.9	3	7.1	3	7.3	2	7.4
14	2	22.59	10	174	2.9	36.1	0.54	29	2.8	14	2.9	10	3.1	7	3.3	6	3.4	5	3.6	4	3.8	4	3.9	3	4.1	3	4.3
14	2.5	25.26	12	194	3.2	40.4	0.61	29	3.4	14	3.6	10	3.7	7	3.9	6	4.1	5	4.2	4	4.4	4	4.6	3	4.7	3	4.9
14	3	27.67	13	213	3.5	44.3	0.66	29	4.0	14	4.2	10	4.4	7	4.5	6	4.7	5	4.9	4	5.0	4	5.2	3	5.4	3	5.5
14	4	31.95	15	246	4.1	51.1	0.77	29	5.3	14	5.4	10	5.6	7	5.8	6	5.9	5	6.1	4	6.3	4	6.4	3	6.6	3	6.8
14	5	35.72	16	275	4.6	57.1	0.86	29	6.5	14	6.7	10	6.9	7	7.0	6	7.2	5	7.4	4	7.5	4	7.7	3	7.9	3	8.0
16	2	24.15	14	227	3.8	38.6	0.58	35	3.1	18	3.3	12	3.5	9	3.6	7	3.8	6	4.0	5	4.1	4	4.3	4	4.5	4	4.6
16	2.5	27.00	15	254	4.2	43.2	0.65	35	3.8	18	4.0	12	4.2	9	4.3	7	4.5	6	4.7	5	4.8	4	5.0	4	5.2	4	5.3

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63			150					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
16	3	29.58	17	278	4.6	47.3	0.71	35	4.6	18	4.7	12	4.9	9	5.1	7	5.2	6	5.4	5	5.6	4	5.7	4	5.9	4	6.1
16	4	34.15	19	321	5.3	54.6	0.82	35	6.0	18	6.2	12	6.3	9	6.5	7	6.7	6	6.8	5	7.0	4	7.2	4	7.3	4	7.5
16	5	38.18	22	359	6.0	61.1	0.92	35	7.4	18	7.6	12	7.7	9	7.9	7	8.1	6	8.2	5	8.4	4	8.6	4	8.7	4	8.9