



Hose Reel Sprinkler Performance Chart

820IRL/250M

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			
82			250					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	2	24.15	13.6	227	4	38.6	0.97	35	2.6	18	2.8	12	2.9	9	3.1	7	3.3	6	3.4	5	3.6	4	3.8	4	3.9	4	4.1
16	2.5	27.00	15.2	254	4.2	43.2	1.08	35	3.2	18	3.4	12	3.5	9	3.7	7	3.9	6	4.0	5	4.2	4	4.4	4	4.5	4	4.7
16	3	29.58	16.7	278	4.6	47.3	1.18	35	3.8	18	4.0	12	4.1	9	4.3	7	4.5	6	4.6	5	4.8	4	5.0	4	5.1	4	5.3
16	4	34.15	19.2	321	5.3	54.6	1.37	35	5.0	18	5.2	12	5.3	9	5.5	7	5.7	6	5.8	5	6.0	4	6.2	4	6.3	4	6.5
16	5	38.18	21.5	359	6.0	61.1	1.53	35	6.2	18	6.4	12	6.5	9	6.7	7	6.9	6	7.0	5	7.2	4	7.4	4	7.5	4	7.7
18	2	25.61	17.2	287	4.8	41.0	1.02	42	2.9	21	3.0	14	3.2	11	3.4	8	3.5	7	3.7	6	3.9	5	4.0	5	4.2	4	4.4
18	3.0	31.37	21.1	352	5.9	50.2	1.25	42	4.2	21	4.3	14	4.5	11	4.7	8	4.8	7	5.0	6	5.2	5	5.3	5	5.5	4	5.7
18	4	36.22	24.4	406	6.8	58.0	1.45	42	5.5	21	5.6	14	5.8	11	6.0	8	6.1	7	6.3	6	6.5	5	6.6	5	6.8	4	7.0
18	5	40.50	27.2	454	7.6	64.8	1.62	42	6.8	21	6.9	14	7.1	11	7.3	8	7.4	7	7.6	6	7.8	5	7.9	5	8.1	4	8.3
18	6	44.37	29.8	497	8.3	71.0	1.77	42	8.1	21	8.2	14	8.4	11	8.6	8	8.7	7	8.9	6	9.1	5	9.2	5	9.4	4	9.6
20	2	27.00	21.3	354	5.9	43.2	1.08	49	3.2	25	3.3	16	3.5	12	3.7	10	3.8	8	4.0	7	4.2	6	4.3	5	4.5	5	4.7
20	3.0	33.07	26.0	434	7.2	52.9	1.32	49	4.6	25	4.8	16	5.0	12	5.1	10	5.3	8	5.5	7	5.6	6	5.8	5	6.0	5	6.1
20	4	38.18	30.1	501	8.4	61.1	1.53	49	6.1	25	6.3	16	6.4	12	6.6	10	6.8	8	6.9	7	7.1	6	7.3	5	7.4	5	7.6
20	5	42.69	33.6	560	9.3	68.3	1.71	49	7.5	25	7.7	16	7.9	12	8.0	10	8.2	8	8.4	7	8.5	6	8.7	5	8.9	5	9.0
20	6	46.77	36.8	614	10.2	74.8	1.87	49	9.0	25	9.1	16	9.3	12	9.5	10	9.6	8	9.8	7	10.0	6	10.1	5	10.3	5	10.5
22	2	28.32	25.7	429	7.1	45.3	1.13	57	3.6	28	3.8	19	3.9	14	4.1	11	4.3	9	4.4	8	4.6	7	4.8	6	4.9	6	5.1
22	3.0	34.68	31.5	525	8.8	55.5	1.39	57	5.3	28	5.4	19	5.6	14	5.8	11	5.9	9	6.1	8	6.3	7	6.4	6	6.6	6	6.8
22	4	40.05	36.4	606	10.1	64.1	1.60	57	6.9	28	7.1	19	7.2	14	7.4	11	7.6	9	7.7	8	7.9	7	8.1	6	8.2	6	8.4

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82			250					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
22	5	44.77	40.7	678	11.3	71.6	1.79	57	8.5	28	8.7	19	8.9	14	9.0	11	9.2	9	9.4	8	9.5	7	9.7	6	9.9	6	10.0
22	6	49.05	44.6	743	12.4	78.5	1.96	57	10.2	28	10.3	19	10.5	14	10.7	11	10.8	9	11.0	8	11.2	7	11.3	6	11.5	6	11.7
24	2	29.58	30.6	510	8.5	47.3	1.18	65	4.2	32	4.3	22	4.5	16	4.7	13	4.8	11	5.0	9	5.2	8	5.3	7	5.5	6	5.7
24	3	36.22	37.5	625	10.4	58.0	1.45	65	6.1	32	6.2	22	6.4	16	6.6	13	6.7	11	6.9	9	7.1	8	7.2	7	7.4	6	7.6
24	4	41.83	43.3	722	12.0	66.9	1.67	65	8.0	32	8.1	22	8.3	16	8.5	13	8.6	11	8.8	9	9.0	8	9.1	7	9.3	6	9.5
24	5	46.77	48.4	807	13.4	74.8	1.87	65	9.8	32	10.0	22	10.2	16	10.3	13	10.5	11	10.7	9	10.8	8	11.0	7	11.2	6	11.3
24	6	51.23	53.0	884	14.7	82.0	2.05	65	11.7	32	11.8	22	12.0	16	12.2	13	12.3	11	12.5	9	12.7	8	12.8	7	13.0	6	13.2