810G and 810GL Nozzle Performance Chart

810G Performance Data

Nozzle Size	psi	Flow	25°			15°			5°		
			Radius	Precip. Rate*		Radius	Precip. Rate*		Radius	Precip. Rate*	
				▲	■		▲	■		▲	■
7 Orange	40	6.6	38	0.51	0.44	35	0.60	0.52	30	0.82	0.71
	50	7.3	40	0.51	0.44	37	0.59	0.51	33	0.75	0.65
	60	8.1	43	0.49	0.42	40	0.56	0.49	36	0.69	0.60
	70	8.8	45	0.48	0.42	42	0.55	0.48	39	0.64	0.56
	80	9.4	46	0.49	0.43	43	0.57	0.49	40	0.65	0.57
	90	9.9	48	0.48	0.41	45	0.54	0.47	41	0.65	0.57
	100	10.4	49	0.48	0.42	46	0.55	0.47	42	0.66	0.57
9 Red	40	7.4	39	0.54	0.47	36	0.63	0.55	32	0.80	0.70
	50	8.1	41	0.54	0.46	38	0.62	0.54	35	0.73	0.64
	60	8.7	44	0.50	0.43	41	0.58	0.50	38	0.67	0.58
	70	9.4	46	0.49	0.43	43	0.57	0.49	40	0.65	0.57
	80	10	48	0.48	0.42	44	0.57	0.50	41	0.66	0.57
	90	10.7	49	0.50	0.43	46	0.56	0.49	43	0.64	0.56
	100	11.4	51	0.49	0.42	47	0.57	0.50	44	0.65	0.57
12* Black	40	9.7	40	0.67	0.58	36	0.83	0.72	32	1.05	0.91
	50	10.5	43	0.63	0.55	40	0.73	0.63	35	0.95	0.83
	60	11.2	47	0.56	0.49	44	0.64	0.56	38	0.86	0.75
	70	12	50	0.53	0.46	46	0.63	0.55	42	0.76	0.65
	80	12.9	52	0.53	0.46	49	0.60	0.52	45	0.71	0.61
	90	13.8	55	0.51	0.44	51	0.59	0.51	47	0.69	0.60
	100	14.7	57	0.50	0.44	53	0.58	0.50	49	0.68	0.59
16 Blue	40	11.9	40	0.83	0.72	36	1.02	0.88	33	1.21	1.05
	50	13.3	44	0.76	0.66	40	0.92	0.80	36	1.14	0.99
	60	14.7	48	0.71	0.61	45	0.81	0.70	39	1.07	0.93
	70	16.1	52	0.66	0.57	47	0.81	0.70	43	0.97	0.84
	80	17.2	54	0.66	0.57	50	0.76	0.66	46	0.90	0.78
	90	18.3	57	0.63	0.54	52	0.75	0.65	49	0.85	0.73
	100	19.4	59	0.62	0.54	54	0.74	0.64	50	0.86	0.75
20 Green	40	14.2	40	0.99	0.85	36	1.22	1.05	32	1.54	1.33
	50	15.8	45	0.87	0.75	40	1.10	0.95	35	1.43	1.24
	60	17.4	49	0.81	0.70	45	0.96	0.83	37	1.41	1.22
	70	19	54	0.72	0.63	48	0.92	0.79	44	1.09	0.94
	80	20.2	56	0.72	0.62	51	0.86	0.75	47	1.02	0.88
	90	21.3	59	0.68	0.59	53	0.84	0.73	50	0.95	0.82
	100	22.5	61	0.67	0.58	56	0.80	0.69	51	0.96	0.83
24 Brown	40	14.9	41	0.99	0.85	37	1.21	1.05	32	1.62	1.40
	50	17.1	46	0.90	0.78	41	1.13	0.98	35	1.55	1.34
	60	18.3	50	0.81	0.70	46	0.96	0.83	38	1.41	1.22
	70	19.5	56	0.69	0.60	52	0.80	0.69	45	1.07	0.93
	80	20.8	58	0.69	0.60	54	0.79	0.69	48	1.00	0.87
	90	22	60	0.68	0.59	56	0.78	0.68	51	0.94	0.81
	100	23.2	62	0.67	0.58	57	0.79	0.69	52	0.95	0.83
27 Gray	40	16.6	41	1.10	0.95	38	1.28	1.11	32	1.80	1.56
	50	18.9	47	0.95	0.82	42	1.19	1.03	38	1.45	1.26
	60	20.4	51	0.87	0.75	50	0.91	0.79	48	0.98	0.85
	70	21.9	55	0.80	0.70	54	0.83	0.72	53	0.87	0.75
	80	23.3	60	0.72	0.62	58	0.77	0.67	55	0.86	0.74
	90	24.8	64	0.67	0.58	61	0.74	0.64	58	0.82	0.71
	100	26.3	68	0.63	0.55	63	0.74	0.64	59	0.84	0.73

*▲ *Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.*

■ *Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.*

All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Radius shown in feet. Data based on 360°.

#12 nozzle comes pre-installed from factory in standard models.
Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1.
Actual site conditions must be considered when selecting the appropriate nozzle.

810G "L" Performance Data

Nozzle Size	PSI	Flow	25°			15°			5°		
			Radius	Precip. Rate*		Radius	Precip. Rate*		Radius	Precip. Rate*	
				▲	■		▲	■		▲	■
1.0 Yellow	30	1.0	33	0.10	0.09	31	0.12	0.10	28	0.14	0.12
	40	1.1	34	0.11	0.09	31	0.13	0.11	29	0.15	0.13
	50	1.3	35	0.12	0.10	32	0.14	0.12	30	0.16	0.14
	60	1.4	36	0.12	0.10	32	0.15	0.13	31	0.16	0.14
	70	1.5	37	0.12	0.11	33	0.15	0.13	31	0.17	0.15
1.5 Orange	30	1.1	34	0.11	0.09	32	0.12	0.10	30	0.14	0.12
	40	1.4	35	0.13	0.11	32	0.15	0.13	31	0.16	0.14
	50	1.6	36	0.14	0.12	33	0.16	0.14	32	0.17	0.15
	60	1.7	37	0.14	0.12	33	0.17	0.15	32	0.18	0.16
	70	1.9	38	0.15	0.13	34	0.18	0.16	33	0.19	0.17
2.0 Red	30	1.6	36	0.14	0.12	34	0.15	0.13	32	0.17	0.15
	40	1.9	37	0.15	0.13	34	0.18	0.16	33	0.19	0.17
	50	2.2	38	0.17	0.15	35	0.20	0.17	34	0.21	0.18
	60	2.4	39	0.18	0.15	36	0.21	0.18	35	0.22	0.19
	70	2.6	40	0.18	0.16	37	0.21	0.18	36	0.22	0.19
3.0** Black	30	2.3	37	0.19	0.16	35	0.21	0.18	33	0.23	0.20
	40	2.7	38	0.21	0.18	36	0.23	0.20	34	0.26	0.22
	50	3.1	39	0.23	0.20	37	0.25	0.22	35	0.28	0.24
	60	3.4	40	0.24	0.20	38	0.26	0.23	36	0.29	0.25
	70	3.6	42	0.23	0.20	39	0.26	0.23	38	0.28	0.24
4.5 Blue	30	3.4	38	0.26	0.23	35	0.31	0.27	33	0.35	0.30
	40	4.0	39	0.29	0.25	36	0.34	0.30	34	0.38	0.33
	50	4.6	40	0.32	0.28	38	0.35	0.31	36	0.39	0.34
	60	5.1	41	0.34	0.29	39	0.37	0.32	37	0.41	0.36
	70	5.6	43	0.34	0.29	40	0.39	0.34	39	0.41	0.35
6.0 Green	30	4.4	39	0.32	0.28	36	0.38	0.33	33	0.45	0.39
	40	5.1	40	0.35	0.31	37	0.41	0.36	34	0.49	0.42
	50	5.8	41	0.38	0.33	39	0.42	0.37	36	0.50	0.43
	60	6.5	42	0.41	0.35	40	0.45	0.39	38	0.50	0.43
	70	7.1	44	0.41	0.35	42	0.45	0.39	40	0.49	0.43
7.5 Brown	30	5.2	40	0.36	0.31	36	0.45	0.39	33	0.53	0.46
	40	6.2	41	0.41	0.35	38	0.48	0.41	35	0.56	0.49
	50	7.1	43	0.43	0.37	40	0.49	0.43	37	0.58	0.50
	60	7.8	44	0.45	0.39	41	0.52	0.45	39	0.57	0.49
	70	8.5	45	0.47	0.40	43	0.51	0.44	41	0.56	0.49
9.0 Gray	30	6.1	40	0.42	0.37	36	0.52	0.45	33	0.62	0.54
	40	7.1	42	0.45	0.39	39	0.52	0.45	36	0.61	0.53
	50	8.0	45	0.44	0.38	41	0.53	0.46	38	0.62	0.53
	60	8.9	46	0.47	0.40	42	0.56	0.49	40	0.62	0.54
	70	9.8	48	0.47	0.41	44	0.56	0.49	42	0.62	0.53

*▲ *Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.*

■ *Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.*

Shaded areas represent optimum operating pressure for that nozzle size.

All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Radius shown in feet. Data based on 360°.

***#3 nozzles come preinstalled from factory in "L" models.*

Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1.
Actual site conditions must be considered when selecting the appropriate nozzle.