

TECHNICAL INFORMATION

ROTOR NOZZLES

RAIN BIRD - 5000 Series

Standard Rain Curtain Nozzle					
Pressure psi	Nozzle	Radius Ft.	Flow GPM	Precip In/h	Precip In/h
25	1.0	27	0.80	0.21	0.24
	1.5	31	1.00	0.20	0.23
	2.0	31	1.65	0.33	0.38
	3.0	35	2.58	0.41	0.47
	4.0	35	3.20	0.50	0.58
	6.0	35	4.46	0.70	0.81
35	1.0	28	0.97	0.24	0.28
	1.5	31	1.25	0.25	0.29
	2.0	32	1.99	0.37	0.43
	3.0	37	3.11	0.44	0.51
	4.0	37	3.86	0.54	0.63
	6.0	37	5.42	0.76	0.88
45	1.0	28	1.12	0.28	0.32
	1.5	32	1.42	0.27	0.31
	2.0	32	2.31	0.43	0.50
	3.0	37	3.59	0.51	0.58
	4.0	37	4.46	0.63	0.72
	6.0	37	6.26	0.88	1.02
55	1.0	28	1.23	0.30	0.35
	1.5	31	1.60	0.32	0.37
	2.0	33	2.56	0.45	0.52
	3.0	37	3.95	0.56	0.64
	4.0	38	4.96	0.66	0.76
	6.0	40	7.03	0.85	0.98
65	1.0	28	1.35	0.33	0.38
	1.5	31	1.77	0.35	0.41
	2.0	33	2.89	0.51	0.59
	3.0	38	4.37	0.58	0.67
	4.0	38	5.40	0.72	0.83
	6.0	40	7.65	0.92	1.06

Low Angle Nozzle					
Pressure psi	Nozzle	Radius Ft.	Flow GPM	Precip In/h	Precip In/h
25	1.0	23	0.69	0.25	0.29
	2.0	24	1.45	0.48	0.56
	4.0	25	3.14	0.97	1.12
35	1.0	25	0.80	0.25	0.29
	2.0	26	1.77	0.50	0.58
	4.0	28	3.84	0.94	1.09
45	1.0	26	0.94	0.27	0.31
	2.0	27	2.04	0.54	0.62
	4.0	31	4.29	0.86	0.99
55	1.0	26	1.04	0.30	0.34
	2.0	28	2.27	0.56	0.64
	4.0	31	4.74	0.95	1.10
65	1.0	26	1.15	0.33	0.38
	2.0	29	2.45	0.56	0.65
	4.0	31	5.21	1.04	1.21

Radius + Nozzle					
Pressure psi	Nozzle	Radius Ft.	Flow GPM	Precip In/h	Precip In/h
25	1.5	31	1.40	0.28	0.32
	3.0	35	3.33	0.52	0.60
	6.0	39	4.91	0.62	0.72
35	1.5	33	1.70	0.30	0.35
	3.0	40	4.05	0.49	0.56
	6.0	45	6.00	0.57	0.66
45	1.5	35	1.93	0.30	0.35
	3.0	42	4.67	0.51	0.59
	6.0	47	6.84	0.60	0.69
55	1.5	35	2.13	0.33	0.39
	3.0	43	5.27	0.55	0.63
	6.0	49	7.71	0.62	0.71
65	1.5	35	2.33	0.37	0.42
	3.0	43	5.65	0.59	0.68
	6.0	50	8.41	0.65	0.75

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

Performance data collected in zero wind conditions.