

# Canopy Nozzle Performance

7 Series						9 Series					12 Series					15 Series							
Model	Pressure psi	Radius ft.	Flow GPM	Precip. in/h	Precip.s in/h	Model	Pressure psi	Radius ft.	Flow GPM	Precip. in/h	Precip.s in/h	Model	Pressure psi	Radius ft.	Flow GPM	Precip. in/h	Precip.s in/h	Model	Pressure psi	Radius ft.	Flow GPM	Precip. in/h	Precip.s in/h
HSN7F	20	6	0.61	1.63	1.88	HSN9F	20	8	1.09	1.64	1.89	HSN12F	20	10	1.90	1.83	2.11	HSN15F	20	13	3.05	1.74	2.01
	25	6.5	0.78	1.78	2.05		25	8.5	1.21	1.61	1.86		25	11	2.15	1.71	1.98		25	14	3.37	1.66	1.91
	30	7	0.81	1.59	1.84		30	9	1.33	1.58	1.83		30	12	2.37	1.58	1.83		30	15	3.70	1.58	1.83
	35	7.5	0.88	1.51	1.74		35	9.5	1.45	1.55	1.79		35	13	2.60	1.48	1.71		35	16	4.01	1.51	1.74
	40	8	0.96	1.44	1.67		40	10	1.58	1.52	1.76		40	14	2.80	1.38	1.59		40	17	4.35	1.45	1.67
HSN7TQ	20	6	0.50	1.78	2.06	HSN9TQ	20	8	0.83	1.67	1.92	HSN12TQ	20	10	1.45	1.86	2.15	HSN15TQ	20	13	2.30	1.75	2.02
	25	6.5	0.55	1.67	1.93		25	8.5	0.91	1.62	1.87		25	11	1.61	1.71	1.97		25	14	2.53	1.66	1.91
	30	7	0.61	1.59	1.84		30	9	1.00	1.58	1.83		30	12	1.78	1.58	1.83		30	15	2.78	1.58	1.83
	35	7.5	0.66	1.51	1.74		35	9.5	1.09	1.55	1.79		35	13	1.93	1.47	1.69		35	16	2.98	1.49	1.73
	40	8	0.72	1.44	1.67		40	10	1.18	1.52	1.75		40	14	2.10	1.38	1.59		40	17	3.25	1.44	1.67
HSN7TT	20	6	0.46	1.85	2.13	HSN9TT	20	8	0.72	1.63	1.88	HSN12TT	20	10	1.26	1.82	2.10	HSN15TT	20	13	2.04	1.74	2.01
	25	6.5	0.50	1.71	1.97		25	8.5	0.80	1.60	1.85		25	11	1.42	1.70	1.96		25	14	2.26	1.67	1.92
	30	7	0.54	1.59	1.84		30	9	0.89	1.58	1.83		30	12	1.58	1.58	1.83		30	15	2.47	1.58	1.83
	35	7.5	0.58	1.49	1.72		35	9.5	0.94	1.50	1.74		35	13	1.66	1.42	1.64		35	16	2.68	1.51	1.75
	40	8	0.62	1.40	1.62		40	10	1.00	1.44	1.67		40	14	1.82	1.34	1.55		40	17	2.88	1.44	1.66
HSN7H	20	6	0.33	1.77	2.04	HSN9H	20	8	0.54	1.63	1.88	HSN12H	20	10	0.95	1.83	2.11	HSN15H	20	13	1.53	1.74	2.01
	25	6.5	0.37	1.69	1.95		25	8.5	0.61	1.63	1.88		25	11	1.08	1.72	1.99		25	14	1.68	1.65	1.91
	30	7	0.41	1.61	1.86		30	9	0.67	1.58	1.83		30	12	1.19	1.58	1.83		30	15	1.85	1.58	1.83
	35	7.5	0.45	1.54	1.78		35	9.5	0.79	1.69	1.95		35	13	1.28	1.46	1.68		35	16	1.99	1.50	1.73
	40	8	0.49	1.47	1.70		40	10	0.80	1.54	1.78		40	14	1.36	1.34	1.54		40	17	2.17	1.45	1.67
HSN7T	20	6	0.23	1.85	2.13	HSN9T	20	8	0.36	1.63	1.88	HSN12T	20	10	0.64	1.85	2.14	HSN15T	20	13	1.02	1.74	2.01
	25	6.5	0.25	1.71	1.97		25	8.5	0.40	1.60	1.85		25	11	0.72	1.72	1.99		25	14	1.13	1.67	1.92
	30	7	0.27	1.59	1.84		30	9	0.44	1.58	1.83		30	12	0.79	1.58	1.83		30	15	1.23	1.58	1.83
	35	7.5	0.29	1.49	1.72		35	9.5	0.47	1.50	1.74		35	13	0.86	1.47	1.70		35	16	1.33	1.50	1.73
	40	8	0.31	1.40	1.62		40	10	0.50	1.44	1.67		40	14	0.93	1.37	1.58		40	17	1.45	1.45	1.67
HSN7Q	20	6	0.16	1.71	1.98	HSN9Q	20	8	0.28	1.69	1.95	HSN12Q	20	10	0.48	1.85	2.14	HSN15Q	20	13	0.76	1.73	2.00
	25	6.5	0.18	1.64	1.90		25	8.5	0.30	1.60	1.85		25	11	0.52	1.66	1.91		25	14	0.84	1.65	1.91
	30	7	0.20	1.59	1.84		30	9	0.33	1.58	1.83		30	12	0.59	1.58	1.83		30	15	0.93	1.58	1.83
	35	7.5	0.22	1.51	1.74		35	9.5	0.36	1.54	1.77		35	13	0.64	1.46	1.68		35	16	1.00	1.50	1.74
	40	8	0.24	1.44	1.67		40	10	0.39	1.50	1.73		40	14	0.70	1.38	1.59		40	17	1.08	1.44	1.66

n Square spacing based on 50% diameter of throw. s Triangle spacing based on 55% diameter of throw.

7 Series						9 Series					12 Series					15 Series											
Model	Pressure kPa	Pressure Bars	Flow L/M	Radius Meters	Precip. cm/h	Precip.s cm/h	Model	Pressure kPa	Pressure Bars	Flow L/M	Radius Meters	Precip. cm/h	Precip.s cm/h	Model	Pressure kPa	Pressure Bars	Flow L/M	Radius Meters	Precip. cm/h	Precip.s cm/h	Model	Pressure kPa	Pressure Bars	Flow L/M	Radius Meters	Precip. cm/h	Precip.s cm/h
HSN-7F	125	1.25	2.0	1.77	3.86	4.45	HSN-9F	125	1.25	4.0	2.38	4.19	4.84	HSN-12F	125	1.25	6.8	2.93	4.76	5.50	HSN-15F	125	1.25	11.1	3.85	4.50	5.19
	150	1.50	2.6	1.88	4.37	5.05		150	1.50	4.3	2.49	4.14	4.78		150	1.50	7.5	3.15	4.54	5.25		150	1.50	12.0	4.07	4.34	5.01
	175	1.75	3.0	1.99	4.50	5.19		175	1.75	4.6	2.60	4.09	4.72		175	1.75	8.2	3.38	4.32	4.99		175	1.75	12.9	4.29	4.19	4.84
	200	2.00	3.1	2.10	4.14	4.78		200	2.00	4.9	2.71	4.03	4.65		200	2.00	8.8	3.60	4.08	4.71		200	2.00	13.8	4.51	4.06	4.68
	225	2.25	3.2	2.21	3.89	4.50		225	2.25	5.3	2.82	3.97	4.58		225	2.25	9.4	3.82	3.88	4.48		225	2.25	14.6	4.73	3.92	4.52
	250	2.50	3.4	2.32	3.79	4.37		250	2.50	5.6	2.93	3.91	4.52		250	2.50	10.0	4.04	3.69	4.26		250	2.50	15.5	4.95	3.79	4.37
275	2.75	3.6	2.44	3.67	4.24	275	2.75	6.0	3.04	3.86	4.46	275	2.75	10.6	4.26	3.50	4.04	275	2.75	16.4	5.17	3.68	4.25				
125	1.25	1.8	1.77	4.65	5.37	125	1.25	3.0	2.38	4.28	4.94	125	1.25	5.3	2.93	4.90	5.65	125	1.25	8.4	3.85	4.53	5.23				
HSN-7TQ	150	1.50	2.0	1.88	4.41	5.09	HSN-9TQ	150	1.50	3.2	2.49	4.18	4.83	HSN-12TQ	150	1.50	5.7	3.15	4.58	5.29	HSN-15TQ	150	1.50	9.0	4.07	4.35	5.02
	175	1.75	2.1	1.99	4.22	4.88		175	1.75	3.5	2.60	4.10	4.73		175	1.75	6.1	3.38	4.31	4.98		175	1.75	9.6	4.29	4.19	4.84
	200	2.00	2.3	2.10	4.10	4.74		200	2.00	3.7	2.71	4.04	4.67		200	2.00	6.6	3.60	4.09	4.72		200	2.00	10.3	4.51	4.07	4.70
	225	2.25	2.4	2.21	3.94	4.55		225	2.25	4.0	2.82	3.98	4.60		225	2.25	7.0	3.82	3.86	4.46		225	2.25	10.9	4.73	3.90	4.50
	250	2.50	2.6	2.32	3.78	4.36		250	2.50	4.2	2.93	3.92	4.52		250	2.50	7.5	4.04	3.66	4.22		250	2.50	11.5	4.95	3.75	4.33
	275	2.75	2.7	2.44	3.67	4.24		275	2.75	4.5	3.04	3.85	4.44		275	2.75	7.9	4.26	3.50	4.04		275	2.75	12.3	5.17	3.67	4.24
125	1.25	1.7	1.77	4.83	5.58	125	1.25	2.6	2.38	4.16	4.80	125	1.25	4.6	2.93	4.76	5.49	125	1.25	7.4	3.85	4.50	5.20				
HSN-7TT	150	1.50	1.8	1.88	4.56	5.26	150	1.50	2.8	2.49	4.09	4.73	150	1.50	5.0	3.15	4.50	5.19	150	1.50	8.0	4.07	4.36	5.03			
	175	1.75	1.9	1.99	4.32	4.98	175	1.75	3.1	2.60	4.06	4.69	175	1.75	5.4	3.38	4.28	4.95	175	1.75	8.6	4.29	4.21	4.86			
	200	2.00	2.0	2.10	4.10	4.73	200	2.00	3.3	2.71	4.04	4.66	200	2.00	5.9	3.60	4.09	4.73	200	2.00	9.2	4.51	4.06	4.69			
	225	2.25	2.1	2.21	3.90	4.50	225	2.25	3.5	2.82	3.93	4.54	225	2.25	6.1	3.82	3.79	4.38	225	2.25	9.8	4.73	3.93	4.53			
	250	2.50	2.2	2.32	3.73	4.30	250	2.50	3.6	2.93	3.77	4.36	250	2.50	6.4	4.04	3.53	4.08	250	2.50	10.3	4.95	3.79	4.38			
	275	2.75	2.3	2.44	3.56	4.11	275	2.75	3.8	3.04	3.67	4.24	275	2.75	6.9	4.26	3.41	3.94	275	2.75	10.9	5.17	3.66	4.23			
125	1.25	1.2	1.77	4.56	5.26	125	1.25	1.9	2.38	4.10	4.73	125	1.25	3.4	2.93	4.75	5.48	125	1.25	5.6	3.85	4.53	5.23				
HSN-7H	150	1.50	1.3	1.88	4.41	5.09	150	1.50	2.1	2.49	4.15	4.79	150	1.50	3.8	3.15	4.55	5.25	150	1.50	6.0	4.07	4.33	5.00			
	175	1.75	1.4	1.99	4.27	4.93	175	1.75	2.3	2.60	4.12	4.75	175	1.75	4.1	3.38	4.34	5.01	175	1.75	6.4	4.29	4.18	4.82			
	200	2.00	1.5	2.10	4.13	4.77	200	2.00	2.5	2.71	4.02	4.65	200	2.00	4.4	3.60	4.11	4.74	200	2.00	6.9	4.51	4.06	4.68			
	225	2.25	1.6	2.21	3.99	4.61	225	2.25	2.8	2.82	4.20	4.85	225	2.25	4.7	3.82	3.86	4.46	225	2.25	7.3	4.73	3.90	4.50			
	250	2.50	1.7	2.32	3.87	4.47	250	2.50	3.0	2.93	4.24	4.90	250	2.50	4.9	4.04	3.62	4.18									