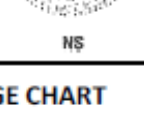
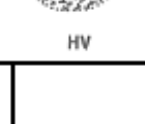


Monarch Oil Burner Nozzle Data

MONARCH MTD NOZZLE CAPACITIES									AVAILABLE ANGLES & SPRAY PATTERNS					STANDARD CAPACITY (US G.P.H.)
U.S. GALLONS PER HOUR FUEL OIL														0.40
Rate GPH @ 100PSI	OPERATING PRESSURE POUNDS PER SQUARE INCH								NOZZLE SERIES	30°	45°	60°	80°	0.45
	75	100	125	150	175	200	250	300						0.50
0.40		0.40	0.45	0.49	0.53	0.56	0.63	0.69	R SOLID	0.60	0.40	0.40	0.40	0.55
0.45		0.45	0.50	0.55	0.60	0.64	0.71	0.78		TO	TO	TO	TO	0.60
0.50		0.50	0.56	0.61	0.66	0.71	0.79	0.87		1.50	3.50	3.50	3.50	0.65
0.55		0.55	0.61	0.67	0.73	0.78	0.87	0.95	NS HOLLOW	0.50	0.50	0.50	0.50	0.75
0.60		0.60	0.67	0.74	0.79	0.85	0.95	1.04		TO	TO	TO	TO	0.85
0.65		0.65	0.73	0.80	0.86	0.92	1.03	1.13		1.50	2.00	2.00	2.00	1.00
0.75		0.75	0.84	0.92	0.99	1.06	1.19	1.30	AR SPECIAL SOLID		0.50	0.50	0.50	1.10
0.85		0.85	0.95	1.04	1.13	1.20	1.34	1.47			TO	TO	TO	1.20
1.00	0.87	1.00	1.12	1.23	1.32	1.41	1.58	1.73			3.50	3.50	3.50	1.25
1.10	0.95	1.10	1.23	1.34	1.45	1.55	1.74	1.91	PLP SEMI SOLID		2.25	2.25	2.25	1.23
1.20	1.04	1.20	1.34	1.47	1.59	1.70	1.89	2.06			TO	TO	TO	1.50
1.25	1.07	1.25	1.39	1.53	1.65	1.77	1.97	2.16			9.50	30.00	100.00	1.65
1.35	1.17	1.35	1.51	1.65	1.79	1.91	2.14	2.34	PL HOLLOW		2.25	2.25	2.25	1.75
1.50	1.30	1.50	1.68	1.84	1.98	2.12	2.37	2.60			TO	TO	TO	2.00
1.65	1.43	1.65	1.84	2.02	2.18	2.34	2.61	2.86			9.50	30.00	28.00	2.25
1.75	1.51	1.75	1.96	2.14	2.32	2.48	2.77	3.03	HV SCOTCH MARINE	1.65	10.50			2.50
2.00	1.73	2.00	2.24	2.45	2.65	2.83	3.16	3.46		TO	TO			3.00
2.25	1.95	2.25	2.52	2.74	2.98	3.18	3.56	3.90		24.00	50.00			3.50
2.50	2.16	2.50	2.80	3.06	3.30	3.54	3.95	4.34	BPS BY-PASS		1.65	1.65	1.65	4.00
3.00	2.59	3.00	3.35	3.68	3.97	4.25	4.75	5.20			TO	TO	TO	4.50
3.50	3.03	3.50	3.81	4.29	4.53	4.95	5.54	6.06			35.00	50.00	35.00	5.00
4.00	3.46	4.00	4.47	4.90	5.30	5.66	6.32	6.94	HO HEAVY OIL		1.65	1.65	2.25	5.50
4.50	3.90	4.50	5.04	5.51	5.95	6.36	7.11	7.80			TO	TO	TO	6.00
5.00	4.33	5.00	5.59	6.13	6.61	7.07	7.90	8.86			30.00	50.00	100.00	6.50
5.50	4.76	5.50	6.15	6.74	7.27	7.78	8.70	9.54	MONARCH NOZZLE SPRAY PATTERN					7.00
6.00	5.19	6.00	6.71	7.33	7.94	8.48	9.49	10.40						7.50
6.50	5.63	6.50	7.26	7.96	8.60	9.20	10.30	11.25						8.00
7.00	6.05	7.00	7.82	8.58	9.25	9.90	11.08	12.12						5.50
7.50	6.49	7.50	8.38	9.19	9.91	10.60	11.85	13.00						9.00
8.00	6.93	8.00	8.94	9.80	10.58	11.31	12.65	13.85						9.50
8.50	7.36	8.50	9.50	10.45	11.27	12.06	13.40	14.70						10.50
9.00	7.79	9.00	10.06	11.02	11.91	12.73	14.20	15.60						12.00
9.50	8.22	9.50	10.60	11.70	12.60	13.50	15.00	16.45						13.50
10.50	9.10	10.50	11.70	12.90	13.90	14.90	16.20	18.20						15.50
12.00	10.40	12.00	13.40	14.70	16.90	17.00	19.00	20.80						17.50
13.50	11.65	13.50	15.07	16.53	17.90	19.17	21.35	23.40						19.50
15.50	13.37	15.50	17.33	18.95	20.56	21.89	24.50	26.85						21.50
17.50	16.10	17.50	19.60	21.40	23.20	24.80	27.70	30.40						24.00
19.50	16.90	19.50	21.80	23.90	25.80	27.60	30.80	33.80						28.00
21.50	18.60	21.50	24.00	26.40	28.40	30.40	34.00	37.30	MONARCH NOZZLE INTERCHANGE CHART					30.00
24.00	20.80	24.00	26.80	29.40	31.80	34.00	38.00	41.60						35.00
28.00	24.20	28.00	31.30	34.30	37.00	39.60	44.30	48.50						40.00
30.00	26.00	30.00	33.60	36.80	39.70	42.50	27.50	52.00						45.00
													60.00	
													70.00	
													80.00	
													90.00	
													100.00	