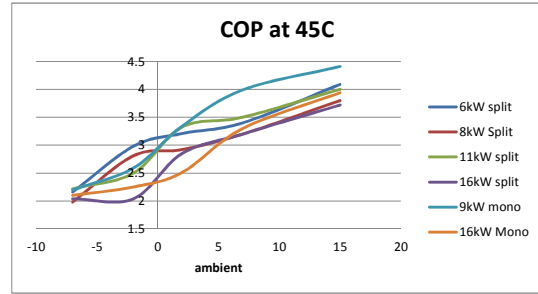


COPs of Samsung heat pumps



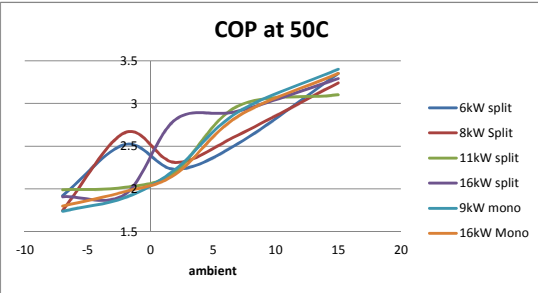
cop at 45C

ambient temperature	6kW split	8kW Split	11kW split	16kW split	9kW mono	16kW Mono
-7	2.16	1.98	2.22	2.04	2.2	2.1
-2	2.98	2.81	2.5	2.04	2.59	2.25
2	3.21	2.92	3.325	2.85	3.34	2.51
7	3.4	3.2	3.5	3.2	3.99	3.3
15	4.09	3.8	4	3.72	4.41	3.94



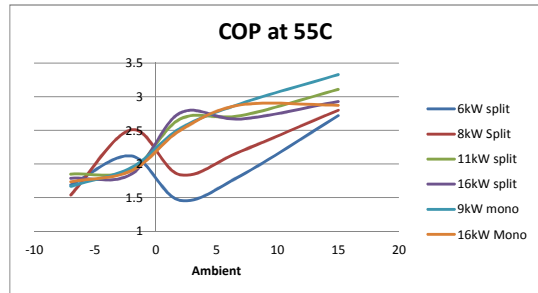
cop at 50C

ambient temperature	6kW split	8kW Split	11kW split	16kW split	9kW mono	16kW Mono
-7	1.92	1.75	1.99	1.91	1.74	1.8
-2	2.52	2.66	2.02	1.94	1.9	1.97
2	2.23	2.31	2.2	2.81	2.23	2.17
7	2.53	2.63	2.97	2.91	2.9	2.85
15	3.35	3.24	3.1	3.29	3.4	3.35



cop at 55C

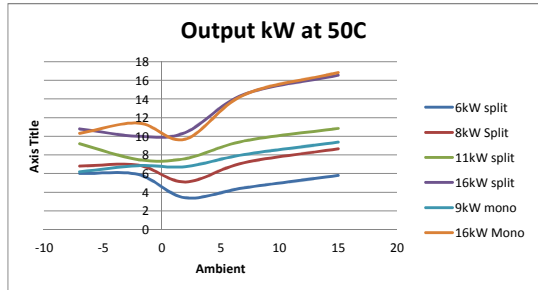
ambient temperature	6kW split	8kW Split	11kW split	16kW split	9kW mono	16kW Mono
-7	1.69	1.54	1.85	1.79	1.67	1.736
-2	2.12	2.51	1.91	1.85	1.95	1.9
2	1.46	1.84	2.67	2.76	2.53	2.5
7	1.83	2.19	2.72	2.67	2.9	2.88
15	2.72	2.8	3.11	2.93	3.33	2.875



Samsung ehs Capacity data

below is a table of the capacity of the systems including defrost.
50C Water

ambient temperature	6kW split	8kW Split	11kW split	16kW split	9kW mono	16kW Mono
-7	6	6.8	9.2	10.8	6.19	10.32
-2	5.9	6.9	7.5	10	6.85	11.42
2	3.4	5.1	7.6	10.4	6.74	9.69
7	4.47	7.17	9.5	14.5	8.04	14.46
15	5.8	8.66	10.84	16.55	9.37	16.84



40C water

ambient temperature	6kW split	8kW Split	11kW split	16kW split	9kW mono	16kW Mono
-7	6.6	8.2	9.9	12.3	6.19	10.32
-2	6.4	8.1	8.6	11.1	6.85	11.42
2	4.4	5.7	8.2	11.7	6.74	9.69
7	4.47	7.17	9.5	14.5	8.04	14.46
15	5.8	8.66	10.84	16.55	9.37	16.84

