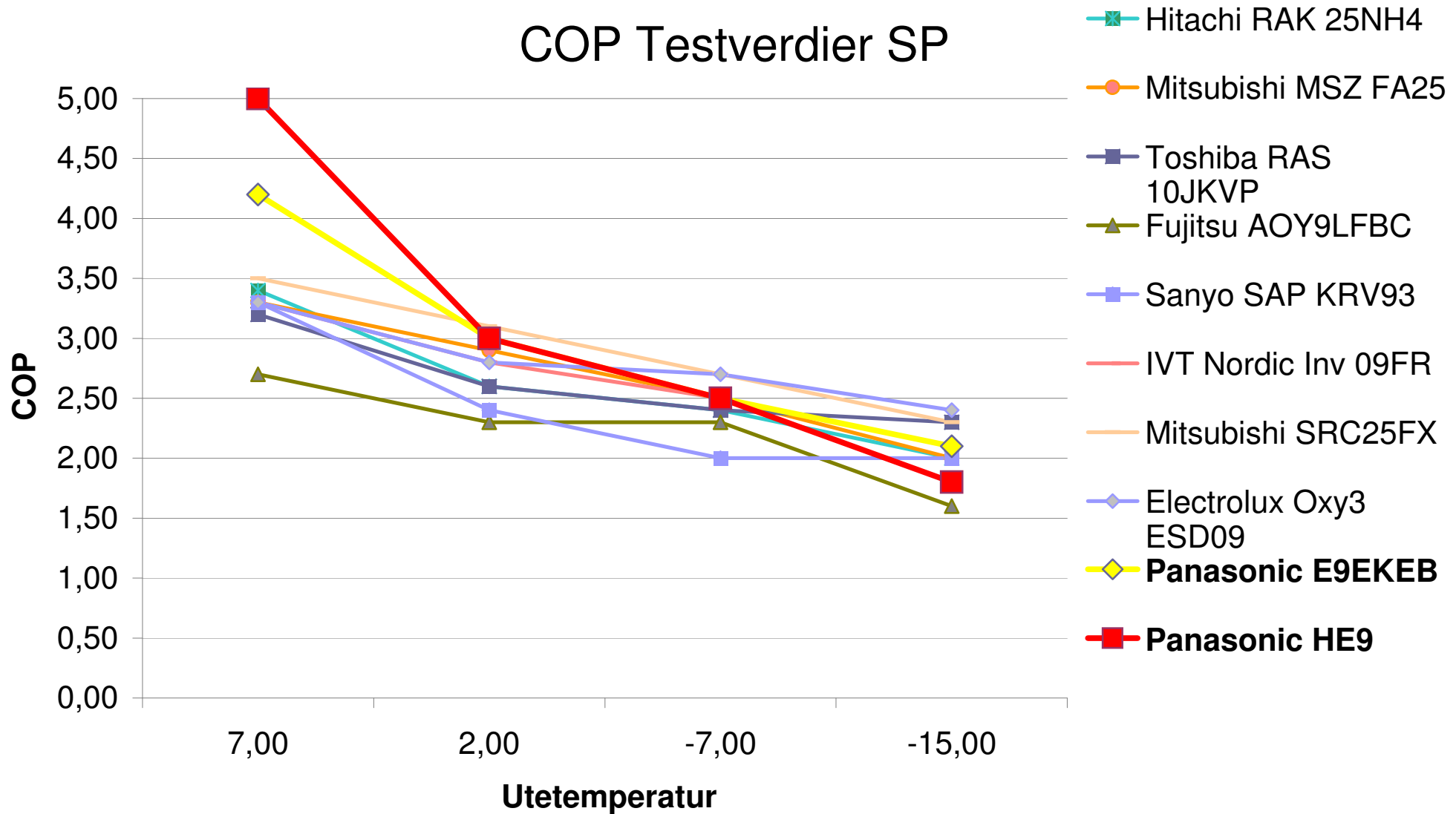
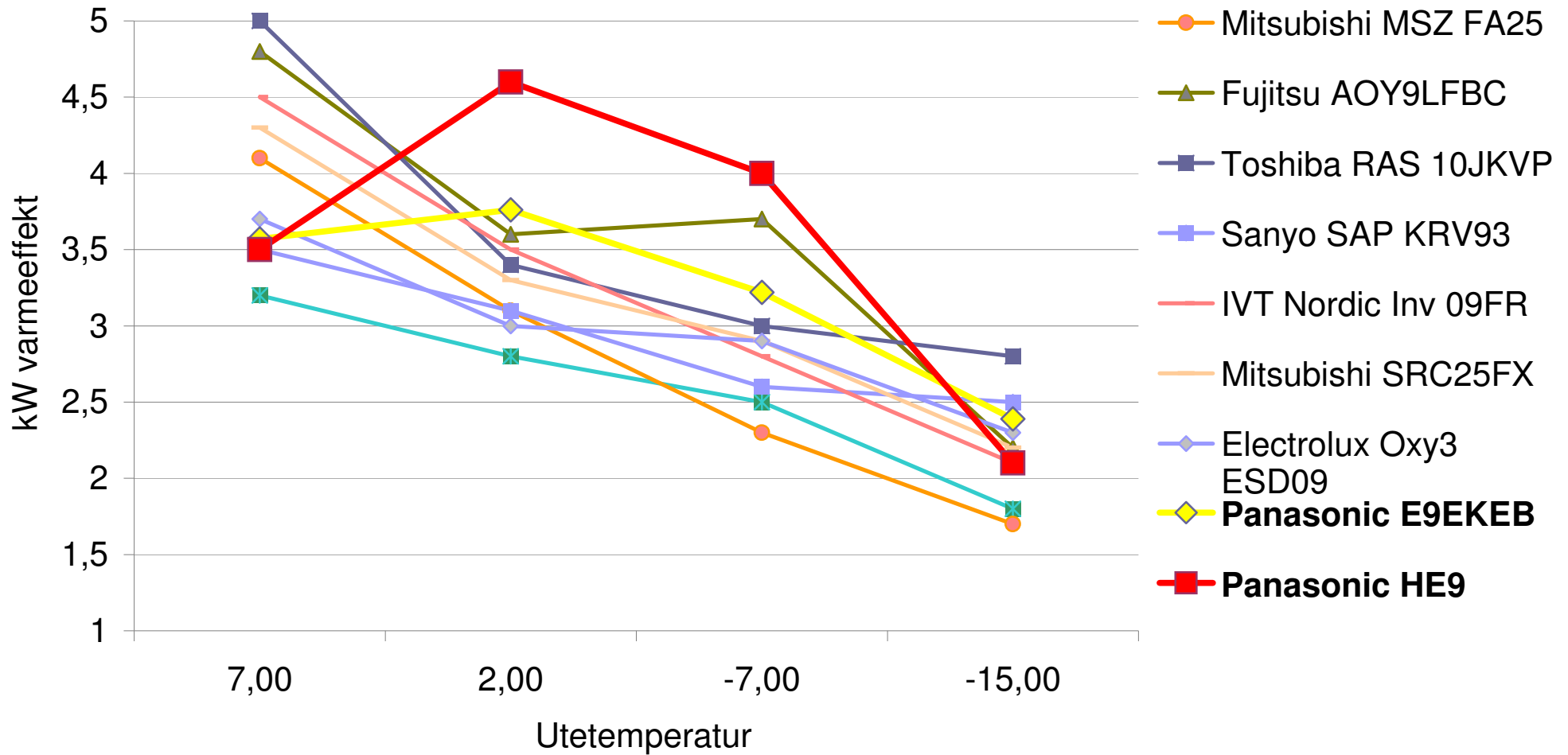


COP Testverdier SP



Varmeeffekt Testverdier SP



Snitt temperatur	Okt-Mars
Stavanger (Sola)	3,3
Bergen	3,6
Oslo (Blindern)	-1,9
Røros	-6,5
Tromsø	-2,2

Snitt temperatur	År
Stavanger (Sola)	7,4
Bergen	7,6
Oslo (Blindern)	5,7
Røros	0,3
Tromsø	2,5

SP-test 2007-10-04

		Models 9000 BTU							New	New	
Brand/model		Panasonic HE9GKE, SP data at -15°C	Panasonic E9EKEB	Fujitsu AOY9LFBC	Hitachi RAK-25NH4	Mitsubishi MSZ-FA25VAH	Sanyo SAP-KRV93EHN	Toshiba RAS 10JKVP	IVT Nordic Inverter 09 FR-N AY-XP0FR	Mitsubishi SRC-25ZFX SA	Electrolux Oxy3heatpump ESD09HRA
Nominal Capacity Heating, kW		3.6	3.6	3.6	3.5	3.2	3.6	3.2	4.5	3.6	3.6
Rated min/max heating, kW			0.6-5.4	0.5-6.1	0.9-5.0	0.9-5.0	0.9-5.0	No data	No data	0.5-5.0	0.9-5.0
Annual Energy Saving in different climatic zones and houses with different energy consumption (compared to direct electricity heating)											
City (Average ambient temperature)											
Malmö (8.2 °C)											
House with energy consumption 9 100 kWh/year		6 400	6 100	5800	5800	6300	5900	6300	6300	6500	6300
House with energy consumption 16 600 kWh/year		11 000	10400	9700	8800	9600	8900	10100	10100	10400	9900
Borås (6.1°C)											
House with energy consumption 11 000 kWh/year		7200	7000	6500	6500	7000	6600	7100	7100	7300	7200
House with energy consumption 20 000 kWh/year		12000	11200	10400	9400	10100	9500	10900	10800	11100	10600
Luleå (1.3°C)											
House with energy consumption 15 400 kWh/year		8300	8100	7500	7300	7700	7500	8300	8000	8400	8300
House with energy consumption 28 000 kWh/year		12700	12000	11000	9800	10400	10100	11800	11300	11800	11400
Heating Capacity at +7°C, kW	7	3.5	3.6	4.8	3.2	4.1	3.5	5.0	4.5	4.3	3.7
Heating Capacity at +2°C, kW	2	4.6	3.8	3.6	2.8	3.1	3.1	3.4	3.5	3.3	3.0
Heating Capacity at -7°C, kW	-7	4.0	3.2	3.7	2.5	2.3	2.6	3.0	2.8	2.9	2.9
Heating Capacity at -15°C, kW	-15	2.1	2.4	2.2	1.8	1.7	2.5	2.8	2.1	2.2	2.3
Heating Capacity at +7°C, 75 % load, kW		2.7	2.7	3.7	2.5	3.2	2.5	3.7	3.5	3.2	2.8
Heating Capacity at +7°C, 50 % load, kW		1.7	1.8	2.4	1.5	2.1	1.7	2.6	2.3	2.2	1.9
Heating Capacity at +2°C, 50 % load, kW		2.3	1.9	1.6	1.5	1.5	1.7	1.8	1.6	1.6	1.6
COP at +7°C	7	5	4.2	2.7	3.4	3.3	3.3	3.2	3.3	3.5	3.3
COP at +2°C	2	3.0	3.0	2.3	2.6	2.9	2.4	2.6	2.8	3.1	2.8
COP at -7°C	-7	2.5	2.5	2.3	2.4	2.5	2.0	2.4	2.5	2.7	2.7
COP at -15°C	-15	1.8	2.1	1.6	2.0	2.0	2.0	2.3	2.1	2.3	2.4
COP at +7°C, 75 % load		5.1	4.1	2.8	3.9	3.8	4.0	3.7	4.0	4.3	4.6
COP at +7°C, 50 % load		5.4	4.2	3.8	4.2	4.8	4.2	4.2	4.8	4.9	5.0
COP at +2°C, 50 % load		3.6	3.1	2.9	3.1	4.3	3.1	3.4	3.6	3.9	3.5
Sound Power level (max air flow)											
Outdoor Unit, dB(A)		58	62.5	61	63	61	61	62	61	62	62
Indoor Unit, dB(A)		57	56	54	53	54	49	57	57	56	57
Refrigerant		R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Lowest recommended outdoor temperature		-20°C	-20°C	-20°C	-20°C	-20°C	-20°C	-25°C	-30°C*)	-25°C	-20°C
Notes		PREL. Data						Now sold under the name of Toshiba RAS B-10 EKVP	Note: Expired OEM by SHARP	New Feb 2007	New Jan 2007 OEM by Sharp