

## THE SWEDISH RATING LIST

*ICCA Communication  
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Traditionally, the ICCA Journal publishes relative ratings of a fair number of commercially available chess computers and occasionally the corresponding full results. The basis for these ratings is by the 450-strong Swedish Chess Computer Association (SSDF), and relies on some 200-300 monthly games among computers. The rating program is based on the ELO system. Results below are as of March 8, 1987. They are self-explanatory when noting that '+-' denotes the half-width of a 95% confidence interval on the rating and 'against' stands for the average rating of opponents.

		rating	+ -	games	win%	against
1.	Mephisto Dallas 68000 12 MHz	2080	42	177	75	1891
2.	Mephisto Amsterdam 68000 12 MHz	2006	26	469	69	1870
3.	Avant Garde 5 MHz	1917	25	507	58	1862
4.	Mephisto Rebel 5 MHz	1898	41	183	49	1904
5.	Par Excellence 5 MHz	1896	24	550	56	1853
6.	Constellation Forte 5 MHz	1870	26	450	54	1844
7.	Conchess Plymate 5.5 MHz	1869	21	686	53	1849
8.	Excellence 4 MHz	1859	24	552	53	1838
9.	Constellation Expert 4 MHz	1842	28	400	51	1832
10.	Conchess Plymate 4 MHz	1833	30	333	55	1801
11.	Mephisto MM 2 3.7 MHz	1831	41	186	53	1806
12.	Elegance 3.6 MHz - Private Line	1828	33	281	58	1774
13.	Turbostart 432 4 MHz	1827	23	594	51	1822
14.	Mephisto Super Mondial 4 MHz	1826	44	160	42	1881
15.	Excellence 3 MHz	1824	25	484	53	1801
16.	Super Constellation 4 MHz	1783	20	770	45	1816
17.	Conchess Glasgow 4 MHz	1771	31	326	50	1772
18.	Mephisto B&P 3.7 MHz	1751	69	64	39	1830
19.	Superstart 36K 2 MHz	1736	30	348	45	1774
20.	Constellation Quattro 4 MHz	1725	36	239	41	1789
21.	Prestige 4 MHz	1712	51	117	44	1755
22.	Eliste A/S 3.2 MHz	1706	33	284	40	1778
23.	Conchess Glasgow 2 MHz	1697	31	326	38	1780
24.	Constellation 3.6 MHz	1693	26	467	41	1761
25.	Constellation 2.0 MHz	1650	30	346	39	1729
26.	Mephisto Mondial 1.8 MHz	1632	57	96	45	1669
27.	Super Enterprise - Advanced Star Chess	1579	42	178	29	1736
28.	Turbo S 24K	1523	85	43	26	1708
29.	Turbo 16K	1514	58	90	29	1667

Those interested in further details are invited to write to the author. It should be remarked that the ratings have been roughly calibrated against human opponents. Also, no preset openings have been used. Most results, 194 out of 214, show that the higher-rated computer beats the weaker one. Moreover, it is established experimentally that doubling speed gains about 80 rating points, in excellent agreement with Ken Thompson's results with Belle.

Mephisto Dallas	- Meph Amsterdam	15 1/2	- 14 1/2
	- Meph Rebel 5 Mhz	15 1/2	- 4 1/2
	- Par Excellence 5 Mhz	23 1/2	- 8 1/2
	- Const. Forte	14 1/2	- 5 1/2
	- Plymate 5 5 Mhz	25	- 3
	- Excellence 4 Mhz	12 1/2	- 2 1/2
	- TurboStar 432 4 Mhz	22	- 7
	- Super Const.	4	- 1
Meph Amsterdam	- Avant Garde 5 Mhz	66 1/2	- 42 1/2
	- Meph Rebel 5 Mhz	12 1/2	- 7 1/2
	- Par Excellence 5 Mhz	28	- 12
	- Const. Forte	28	- 15
	- Plymate 5 5 Mhz	22	- 7
	- Excellence 4 Mhz	13	- 3
	- Expert 4 Mhz	5	- 3
	- Mephisto MM 2 3 7 Mhz	9	- 1
	- Super Mondial 4 Mhz	13	- 7
	- TurboStar 432 4 Mhz	20	- 11
	- Plymate 4 Mhz	17 1/2	- 4 1/2
	- Super Const.	54 1/2	- 14 1/2
	- Mephisto B&P 3 7 Mhz	3 1/2	- 1/2
	- Quattro 4 Mhz	11 1/2	- 3 1/2
	- Prestige 4 Mhz	3	- 0
Avant Garde 5 Mhz	- Meph Rebel 5 Mhz	10	- 10
	- Par Excellence 5 Mhz	20 1/2	- 20 1/2
	- Const. Forte	10 1/2	- 9 1/2
	- Plymate 5 5 Mhz	15	- 9
	- Excellence 4 Mhz	13	- 7
	- Expert 4 Mhz	50	- 35
	- Plymate 4 Mhz	14 1/2	- 10 1/2
	- Super Mondial 4 Mhz	11	- 9
	- TurboStar 432 4 Mhz	20	- 9
	- Excellence 3 Mhz	14	- 7
	- Super Const.	15	- 5
	- Superstar 36K 2 Mhz	16	- 5
	- Quattro 4 Mhz	15 1/2	- 4 1/2
	- ELite A/S 3 2 Mhz	6	- 4
	- Conchess Gla. 2 Mhz	1	- 1
	- Constellation 2 0	18	- 2
Mephisto Rebel 5 Mhz	- Par Excellence 5 Mhz	10	- 15
	- Const. Forte	14	- 11
	- Plymate 5 5 Mhz	12	- 8
	- Expert 4 Mhz	5 1/2	- 5 1/2
	- TurboStar 432 4 Mhz	10 1/2	- 9 1/2
	- Excellence 3 Mhz	14	- 6
	- Mephisto B&P 3 7 Mhz	2	- 0
Par Excellence 5 Mhz	- Const. Forte	18 1/2	- 13 1/2
	- Plymate 5 5 Mhz	46 1/2	- 41 1/2
	- Excellence 4 Mhz	17 1/2	- 12 1/2
	- Expert 4 Mhz	10	- 10
	- Plymate 4 Mhz	5 1/2	- 4 1/2
	- Mephisto MM 2 3 7 Mhz	10 1/2	- 9 1/2
	- Super Mondial 4 Mhz	11 1/2	- 8 1/2
	- TurboStar 432 4 Mhz	12 1/2	- 7 1/2
	- Excellence 3 Mhz	11 1/2	- 8 1/2
	- Super Const.	44 1/2	- 25 1/2
	- Superstar 36K 2 Mhz	16 1/2	- 3 1/2
	- Quattro 4 Mhz	2	- 0
	- ELite A/S 3 2 Mhz	16	- 4
	- Conchess Gla. 2 Mhz	16	- 4
	- Constellation 3 6	13	- 7
Const. Forte	- Plymate 5 5 Mhz	39 1/2	- 35 1/2
	- Excellence 4 Mhz	7	- 14
	- Plymate 4 Mhz	3	- 7
	- Elegance 4 Mhz	8 1/2	- 11 1/2
	- Super Mondial 4 Mhz	12	- 8
	- TurboStar 432 4 Mhz	10 1/2	- 9 1/2
	- Excellence 3 Mhz	10 1/2	- 12 1/2
	- Super Const.	13 1/2	- 6 1/2
	- Superstar 36K 2 Mhz	4 1/2	- 1 1/2
	- Quattro 4 Mhz	11	- 3
	- ELite A/S 3 2 Mhz	16 1/2	- 3 1/2
	- Conchess Gla. 2 Mhz	13	- 7
	- Constellation 3 6	16	- 4
	- Constellation 2 0	7 1/2	- 1 1/2
	- Super Enterprise	8	- 2
Plymate 5 5 Mhz Mhz	- Excellence 4 Mhz	91 1/2	- 71 1/2
	- Expert 4 Mhz	11 1/2	- 8 1/2
	- Elegance 4 Mhz	5 1/2	- 4 1/2
	- Super Mondial 4 Mhz	11 1/2	- 8 1/2
	- TurboStar 432 4 Mhz	20 1/2	- 14 1/2
	- Excellence 3 Mhz	14 1/2	- 14 1/2
	- Super Const.	23	- 6
	- Superstar 36K 2 Mhz	11	- 9
	- Quattro 4 Mhz	11	- 9
	- Prestige 4 Mhz	4	- 1
	- ELite A/S 3 2 Mhz	12 1/2	- 7 1/2
	- Conchess Gla. 2 Mhz	15 1/2	- 4 1/2
	- Const. 3 6	21 1/2	- 4 1/2
	- Super Enterprise	5	- 0
Excellence 4 Mhz	- Expert 4 Mhz	24	- 22
	- Plymate 4 Mhz	15	- 14
	- Mephisto MM 2 3 7 Mhz	12	- 8
	- Super Mondial 4 Mhz	11	- 7
	- TurboStar 432 4 Mhz	15	- 13
	- Excellence 3 Mhz	2 1/2	- 1/2
	- Super Const.	18 1/2	- 7 1/2
	- Conchess Gla. 4 Mhz	17	- 7
	- Mephisto B&P 3 7 Mhz	12	- 2 1/2
	- Superstar 36K 2 Mhz	10 1/2	- 7 1/2
	- Quattro 4 Mhz	13	- 7
	- Conchess Gla. 2 Mhz	17	- 3
	- Constellation 3 6	24	- 4
	- Constellation 2 0	2	- 0
Expert 4 Mhz	- Plymate 4 Mhz	5 1/2	- 14 1/2
	- Mephisto MM 2 3 7 Mhz	4	- 6
	- Elegance 4 Mhz	11 1/2	- 8 1/2
	- Mephisto MM 2 3 7 Mhz	4	- 6
	- Elegance 3 6 Mhz	11 1/2	- 8 1/2
	- TurboStar 432 4 Mhz	7 1/2	- 8 1/2
	- Excellence 3 Mhz	22	- 13
	- Super Const.	16 1/2	- 12 1/2
	- Conchess Gla. 4 Mhz	4 1/2	- 2 1/2
	- Mephisto B&P 3 7 Mhz	2	- 0
	- Superstar 36K 2 Mhz	11	- 9
	- Conchess Gla. 2 Mhz	14	- 6
	- Constellation 3 6	13 1/2	- 6 1/2
	- Super Enterprise	10	- 1

Plymate 4 Mhz	- Elegance 4 Mhz 3 6 Mhz	25	- 22
	- TurboStar 432 4 Mhz	9 1/2	- 10 1/2
	- Excellence 3 Mhz	11 1/2	- 8 1/2
	- Super Const.	38 1/2	- 27 1/2
	- Superstar 36K 2 Mhz	13	- 7
	- ELite A/S 3 2 Mhz	10	- 10
	- Conchess Gla. 2 Mhz	11	- 9
	- Constellation 3 6	16 1/2	- 9 1/2
Mephisto MM 2 3 7 Mhz	- TurboStar 432 4 Mhz	16 1/2	- 19 1/2
	- Excellence 3 Mhz	7 1/2	- 8 1/2
	- Super Const.	8 1/2	- 6 1/2
	- Superstar 36K 2 Mhz	15 1/2	- 4 1/2
	- ELite A/S 3 2 Mhz	9	- 5
	- Constellation 3 6	14	- 6
	- Constellation 2 0	4	- 1
Elegance 4 Mhz 3 6 Mhz	- TurboStar 432 4 Mhz	16 1/2	- 13 1/2
	- Excellence 3 Mhz	1/2	- 1 1/2
	- Super Const.	9	- 8
	- Conchess Gla. 4 Mhz	28 1/2	- 23 1/2
	- ELite A/S 3 2 Mhz	11 1/2	- 3 1/2
	- Conchess Gla. 2 Mhz	7 1/2	- 4 1/2
	- Constellation 3 6	17 1/2	- 6 1/2
	- Constellation 2 0	14	- 6
	- Super Enterprise	10 1/2	- 1 1/2
Super Mondial 4 Mhz	- TurboStar 432 4 Mhz	8 1/2	- 11 1/2
	- Excellence 3 Mhz	9	- 11
	- Conchess Gla. 2 Mhz	2	- 0
TurboStar 432 4 Mhz	- Excellence 3 Mhz	13	- 12
	- Super Const.	31 1/2	- 29 1/2
	- Conchess Gla. 4 Mhz	10	- 9
	- Mephisto B&P 3 7 Mhz	17 1/2	- 9 1/2
	- Superstar 36K 2 Mhz	10	- 10
	- Quattro 4 Mhz	4	- 3
	- Prestige 4 Mhz	7	- 4
	- ELite A/S 3 2 Mhz	12 1/2	- 3 1/2
	- Conchess Gla. 2 Mhz	11	- 7
	- Constellation 3 6	14 1/2	- 7 1/2
	- Constellation 2 0	18	- 7
	- Super Enterprise	7	- 1
	- Turbo S 24K 3 Mhz	2	- 1
Excellence 3 Mhz	- Super Const.	30 1/2	- 21 1/2
	- Conchess Gla. 4 Mhz	14 1/2	- 10 1/2
	- Mephisto B&P 3 7 Mhz	4	- 5
	- Superstar 36K 2 Mhz	13 1/2	- 6 1/2
	- Quattro 4 Mhz	15	- 5
	- ELite A/S 3 2 Mhz	14 1/2	- 5 1/2
	- Conchess Gla. 2 Mhz	13	- 9
	- Constellation 3 6	14	- 6
	- Constellation 2 0	22	- 4
	- Super Enterprise	9	- 5
Super Constell	- Conchess Gla. 4 Mhz	46	- 44
	- Mephisto B&P 3 7 Mhz	9 1/2	- 7 1/2
	- Superstar 36K 2 Mhz	11 1/2	- 9 1/2
	- Quattro 4 Mhz	14 1/2	- 5 1/2
	- Prestige 4 Mhz	9 1/2	- 10 1/2
	- ELite A/S 3 2 Mhz	10	- 3
	- Conchess Gla. 2 Mhz	12 1/2	- 11 1/2
	- Constellation 3 6	19 1/2	- 5 1/2
	- Constellation 2 0	25	- 11
	- Mephisto Mondial	10	- 4
	- Super Enterprise	9 1/2	- 1 1/2
Conchess Gla. 4 Mhz	- Superstar 36K 2 Mhz	6	- 8
	- Prestige 4 Mhz	27	- 12
	- ELite A/S 3 2 Mhz	8 1/2	- 6 1/2
	- Constellation 3 6	10 1/2	- 9 1/2
	- Constellation 2 0	8 1/2	- 2 1/2
	- Super Enterprise	5 1/2	- 4 1/2
Superstar 36K 2 Mhz	- Quattro 4 Mhz	10 1/2	- 9 1/2
	- Conchess Gla. 2 Mhz	11	- 7
	- Constellation 3 6	16 1/2	- 13 1/2
	- Constellation 2 0	11	- 9
	- Mephisto Mondial	10 1/2	- 9 1/2
	- Turbo 16K	15	- 5
Quattro 4 Mhz	- ELite A/S 3 2 Mhz	8 1/2	- 11 1/2
	- Conchess Gla. 2 Mhz	13	- 7
	- Constellation 3 6	12	- 8
	- Super Enterprise	14 1/2	- 6 1/2
Prestige 4 Mhz	- Conchess Gla. 2 Mhz	3 1/2	- 3 1/2
	- Constellation 3 6	5	- 5
	- Constellation 2 0	15 1/2	- 6 1/2
ELite A/S 3 2 Mhz	- Conchess Gla. 2 Mhz	11 1/2	- 8 1/2
	- Constellation 3 6	12 1/2	- 16 1/2
	- Constellation 2 0	7	- 5
	- Turbo S 24K 3 Mhz	15	- 5
Conchess Gla. 2 Mhz	- Constellation 3 6	6 1/2	- 8 1/2
	- Constellation 2 0	12 1/2	- 7 1/2
	- Mephisto Mondial	1 1/2	- 4 1/2
	- Super Enterprise	12 1/2	- 7 1/2
Constellation 3 6	- Constellation 2 0	20	- 14
	- Mephisto Mondial	9 1/2	- 6 1/2
	- Super Enterprise	1	- 1
	- Turbo S 24K 3 Mhz	15	- 5
	- Turbo 16K	16	- 4
Constellation 2 0	- Mephisto Mondial	13	- 7
	- Super Enterprise	29	- 15
	- Turbo 16K	16	- 4
Mephisto Mondial	- Turbo 16K	11 1/2	- 8 1/2
Super Enterprise	- Turbo 16K	5	- 5