

# The SSDF Chess Engine Rating List, 2020-12

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#	Name	Rating	+	-	Games	Win %	Against	Notes	
01	Stockfish 12 NNUE x64 1800X 3.6 GHz	3573	47	/	43	257	65%	3466	NE: A, Tord Romstad, Marco Costalba & Joona Kiiski
02	Dragon by Komodo x64 1800X 3.6 GHz	3564	50	/	45	250	70%	3413	NE: A, Mark Lefler and GM Larry Kaufman; 9-8 v #1
03	Stockfish 11 x64 1800X 3.6 GHz	3547	38	/	35	423	71%	3391	19-21 v #1, 6½-6½ v #2, 23-17 v #7, 39½-20½ v #12
04	Stockfish 10 x64 1800X 3.6 GHz	3521	25	/	24	880	68%	3385	16½-23½ v #1, 17½-22½ v #2, 22-18 v #5/06, 23-17 v #7
05	Stockfish 9 x64 1800X 3.6 GHz	3482	27	/	25	842	71%	3324	20-20 v #6, 21½-18½ v #9, 23½-16½ v #10, 21½-18½ v #12
06	Komodo 13.1 x64 1800X 3.6 GHz	3469	30	/	29	560	62%	3386	A, Mark Lefler and GM Larry Kaufman; 15-25 v #1, 22-18 v #10
07	Komodo 14 x64 1800X 3.6 GHz	3466	38	/	38	320	52%	3452	12½-27½ v #1, 13½-26½ v #2, 20½-19½ v #12, 26-14 v #17
08	Komodo 13.02 x64 1800X 3.6 GHz	3462	30	/	29	600	65%	3351	17½-22½ v #4, 20½-19½ v #9, 22½-17½ v #10/11, 21-19 v #12
09	Komodo 12.3 x64 1800X 3.6 GHz	3452	27	/	26	760	66%	3334	15½-24½ v #4, 20-20 v #10/14, 22½-17½ v #12, 22-18 v #16
10	Stockfish 9 x64 Q6600 2.4 GHz	3445	32	/	31	480	56%	3400	14-26 v #4, 20-20 v #9/11, 22-18 v #15, 21½-18½ v #16
11	Komodo 12.3 x64 Q6600 2.4 GHz	3434	38	/	36	360	60%	3360	15½-24½ v #4, 17½-22½ v #6, 20½-19½ v #15, 24½-15½ v #18
12	Stockfish 8 x64 1800X 3.6 GHz	3426	21	/	20	1400	72%	3263	20-20 v #6, 22½-17½ v #15, 21-19 v #16, 24-16 v #17
13	Komodo 13.2.5 MCTS x64 1800X 3.6 GHz	3421	50	/	48	200	56%	3376	13-27 v #3, 15-25 v #4, 57½-22½ v #22, 26-14 v #28
14	Stockfish 8 x64 Q6600 2.4 GHz	3410	31	/	30	560	65%	3300	13½-26½ v #4/05, 16½-23½ v #6, 18-22 v #8, 20-20 v #9
15	Komodo 13.02 MCTS x64 1800X 3.6 GHz	3398	31	/	30	520	57%	3346	16½-23½ v #4, 18½-21½ v #5, 17½-22½ v #8, 24-16 v #18
16	Komodo 11.01 x64 1800X 3.6 GHz	3394	19	/	19	1474	67%	3270	8½-31½ v #1, 9-31 v #3, 11½-28½ v #4, 15-25 v #5
17	Booot 6.4 x64 1800X 3.6 GHz	3370	41	/	41	280	53%	3344	A, Alex Morozov; 14-26 v #7, 17½-22½ v #16, 43-37 v #18
18	Booot 6.3.1 x64 1800X 3.6 GHz	3357	19	/	19	1260	47%	3374	10½-29½ v #1, 21½-78½ v #2, 12½-27½ v #3, 10-30 v #4
19	Deep Shredder 13 x64 1800X 3.6 GHz	3356	24	/	24	880	64%	3255	A, Stefan Meyer-Kahlen; 13-27 v #5, 14-26 v #8, 12-28 v #9
20	Komodo 11.01 x64 Q6600 2.4 GHz	3340	27	/	27	642	50%	3338	9½-30½ v #4, 11½-28½ v #5, 12½-27½ v #6, 16-24 v #8
21	Stockfish 6 x64 Q6600 2.4 GHz	3325	21	/	20	1256	69%	3190	7-33 v #5, 14½-25½ v #12, 11½-28½ v #14, 15½-24½ v #16
22	Vajole2 2.8 x64 1800X 3.6 GHz	3297	27	/	28	650	38%	3379	A, Marco Belli; 17½-92½ v #3, 7-33 v #4, 11½-28½ v #5
23	Arasan 21.2 x64 1800X 3.6 GHz	3282	26	/	27	680	38%	3364	A, Jon Dart; 7-33 v #2, 5½-34½ v #3, 5-35 v #4, 13-27 v #16
24	Vajole2 2.8 x64 Q6600 2.4 GHz	3281	46	/	41	320	73%	3103	17-23 v #26, 25-15 v #30, 27½-12½ v #33, 60-20 v DFritz/Q6600
25	Wasp 4 x64 1800X 3.6 GHz	3257	45	/	49	240	35%	3369	A, John Stanback; 6½-33½ v #4, 6-34 v #7, 11½-28½ v #17
26	Arasan 21.2 x64 Q6600 2.4 GHz	3250	37	/	38	340	45%	3281	4-36 v #4, 4½-35½ v #8, 7-33 v #10, 23-17 v #24, 25-15 v #33
27	Wasp 3.5 x64 1800X 3.6 GHz	3220	29	/	31	600	32%	3348	5-35 v #4/05, 4½-35½ v #6, 7-33 v #8, 7½-32½ v #9/11
28	Deep Hiarc 14 1800X 3.6 GHz	3220	24	/	25	800	39%	3293	A, Mark Uniacke; 7-33 v #5, 7½-32½ v #6, 5½-34½ v #9
29	Wasp 4 x64 Q6600 2.4 GHz	3209	38	/	37	340	59%	3147	43½-56½ v #26, 19-21 v #30, 23½-16½ v #33
30	Deep Rybka 4 x64 Q6600 2.4 GHz	3199	19	/	18	1448	64%	3101	A, IM Vasil Rajlich; 5½-34½ v #11, 9½-30½ v #16
31	Deep Hiarc 14 Q6600 2.4 GHz	3188	19	/	18	1450	61%	3112	9½-30½ v #16, 9-31 v #19, 13½-26½ v #20, 24½-15½ v #30
32	Chiron 3.01 x64 Q6600 2.4 GHz	3177	27	/	27	656	45%	3214	A, Ubaldo Andrea Farina; 7-33 v #12/16, 10½-29½ v #19
33	Wasp 3.5 x64 Q6600 2.4 GHz	3169	36	/	37	360	43%	3215	5½-34½ v #11, 10½-29½ v #21, 12½-27½ v #24, 15-25 v #26
34	Deep Junior Yokohama x64 Q6600 2.4 GHz	3125	22	/	22	1010	42%	3183	A, Amir Ban & Shay Bushinsky; 6½-73½ v #12, 6-34 v #14
35	Hiarc 14 Athlon 1.2 GHz	3100	29	/	29	560	55%	3064	5½-34½ v #14, 9½-30½ v #21, 7-33 v Booot6/Q6600
36	Deep Fritz 13 Q6600 2.4 GHz	3097	24	/	24	826	55%	3064	A, Frans Morsch; 9-31 v Komodo7/Q6600, 13½-26½ v #30
37	The Baron 3.43 x64 Q6600 2.4 GHz	3022	33	/	33	440	51%	3018	A, Richard Pijl; 2½-37½ v #14, 17½-22½ v #35
38	Revelation 2 Hiarc 14.1 PXA320 800 MHz	2925	47	/	45	228	56%	2882	A, Ruud Martin and Mark Uniacke; 7-13 v Djunior12/Q6600
39	Chessmaster King 3.5 x64 Q6600 2.4 GHz	2860	24	/	25	932	30%	3008	A, Johan de Koning; 3½-36½ v Dshredder12/Q6600
40	Revelation Hiarc 13.3 PXA255 500 MHz	2771	57	/	52	177	66%	2660	A, Ruud Martin and Mark Uniacke; 11½-8½ v Pocket Shredder
41	Revelation Shredder 12 PXA255 500 MHz	2705	60	/	58	140	56%	2665	A, Ruud Martin and Stefan Meyer-Kahlen; 8-12 v Pocket Shredder
42	Revelation Rybka 2.2 PXA255 500 MHz	2635	45	/	43	260	63%	2545	A, Ruud Martin and IM V, Rajlich; 9½-10½ v Hiarc9/A1200
43	Revelation Deep Sjeng 3 PXA255 500 MHz	2601	62	/	67	120	41%	2663	A, Gian-Carlo Pascutto [q.v., LCO]; 8-12 v Pocket Shredder
44	Millennium The King Exclusive 300 MHz	2527	58	/	57	144	51%	2519	A, Johan de Koning; 5½-14½ v Pocket Fritz 3H
45	ChessGenius 3 ZTE Apex3 ARM A53 1.3 GHz	2445	65	/	62	120	56%	2399	A, Richard Lang; 12½-7½ v #46, 13-7 v Rebel9/P90
46	Revelation Ruffian 2.1 PXA255 500 MHz	2348	68	/	71	100	45%	2385	A, Per-Ola Valfridsson; 2-18 v Pocket Fritz 3H
47	Millennium ChessGenius Excl. M7 300 MHz	2244	62	/	57	144	62%	2157	A, Richard Lang; 6½-13½ v Rebel9/P90, 8-12 v Nimzo3/P90
48	Millennium ChessGenius Pro M4 120 MHz	2163	59	/	54	160	63%	2067	A, Richard Lang; 5½-14½ v #46, 13½-6½ v #50
49	Millennium ChessGenius ARM M4 48 MHz	2073	47	/	45	231	59%	2008	A, Richard Lang; 5-15 v #47, 7-13 v #48
50	Mephisto London 68000 12 MHz	2005	59	/	58	140	53%	1982	A, Richard Lang; 6½-13½ v #48, 10-10 v #49

Fig. 1. The recently tested ‘Selected 50’ from SSDF rating list ‘2020-12’ of 2020-12-31, q.v., <https://ssdf.bosjo.net>.<sup>1,2,3</sup>

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<sup>1</sup>‘Games’ ≡ the number of games, played at ‘40m/2hr + 20m/1hr’, on which the rating is based. ‘Against’ ≡ average rating of opponents. ‘+’ and ‘-’ denote upper/lower 95%-confidence intervals. ‘A’ ≡ author(s), ‘NE’ ≡ new entrant.

<sup>2</sup>Latest platform: AMD Ryzen 7 1800X, 8-core @ 3.6GHz, 16GB RAM, SSD, 6-man Syzygy EGTs.

<sup>3</sup>Fuller SSDF data including the ‘50’ and long lists’ match detail is available at <http://centaur.reading.ac.uk/95264/>.