

Rotor Information

Rotor Type / Name	Maximum Speed (rpm)	Maximum RCF (g-force)	K Factor ¹	Critical Speed (rpm)	Rotor Capacity (places x ml)	Maximum Compartment Mass (grams)	r _{max} (cm)	r _{min} (cm)
FIXED ANGLE								
SS-34	20 500	50 228	714	1400	8 x 50	115	10.70	3.27
SLA-3000	12 000	24 336	2364	900	6 x 500	780	15.13	3.94
SLA-1500	15 000	34 155	1475	1200	6 x 250	420	13.59	3.66
SLA-1000	16 500	35 793	1725	1200	4 x 250	400	11.77	1.84
SLA-600TC	13 000	27 750	913	1200	12 x 50	74	14.70	7.99
SLC-6000	8500	15 810	3549	1000	6 x 1000	1500	19.59	5.42
SLC-4000	9000	15 182	4631	750	4 x 1000	1500	16.78	2.53
SLC-3000	10 000	17 604	3394	975	6 x 500	780	15.76	4.12
SLC-1500	14 000	29 994	1676	1000	6 x 250	420	13.70	3.74
SA-800	20 500	49 054	560	1550	8 x 100	162	10.45	4.12
SA-600	17 000	41 837	747	1250	12 x 50	115	12.96	5.52
SA-512	19 500	48 930 ²	394 ²	1450	(16+16) x 16	30	11.52 ²	6.37 ²
SA-300	25 000	67 509	573	1600	6 x 50	115	9.67	2.35
SM-24	20 500	51 965 ²	434 ²	1450	(16+8) x 16	27	11.07 ²	5.38 ²
SE-12	26 000	70 450	335	1950	12 x 14	30	9.33	3.81
F-20/MICRO	20 000	51 427	187	1450	32 x 1.5	3	11.51	8.57
GS-3	9 000	13 689	4203	850	6 x 500	780	15.13	3.94
GSA	13 000	27 485	2023	1000	6 x 250	580	14.56	3.77
F-16/250	14 500	31 939	1576	1150	6 x 250	420	13.60	3.67
F-28/50	20 000	51 248	660	1350	10 x 50	115	11.47	4.04
F-28/36	18 000	41 366	480	1350	12 x 36	66	11.43	6.18
F-28/13	19 500	48 548	295	1500	16 x 13.5	23	11.43	7.34
SWINGING BUCKET								
SH-3000	4 700	4 575	8138	1450	4 x 750	1805 ³	18.54	9.11
SH-3000 M (microplates)	4 700 ⁴	3 706 ⁴	–	1550	4 x 3 standard 96-well plates	987 ³	15.02	–
HB-6	13 000	27 617	1765	1350	6 x 50	164	14.63	4.50
HS-4 1PL	7 500	10 826	3912	1150	4 x 250	1035 ³	17.23	7.22
HS-4 3PL	7 500	10 725	3870	1150	12 x 50	1035 ³	17.07	7.22
HS-4 4PL	7 500	11 071	3866	1150	16 x 50	1035 ³	17.62	7.46
HS-4 24PL	7 500	9 249	2643	1150	96 x 5	1035 ³	14.72	8.18
SH-80	20 000	45 395	400	1500	8 x 10	78	10.16	5.40
HB-4	13 000	27 712	1667	1400	4 x 50	250 ³	14.68	4.82
OTHER								
SS-34/KSB-R	20 000	47 808	750	1300	8 x 50	1.2 g/ml	10.70	3.27
SV-288	20 000	40 301	210	1400	8 x 36	50	9.02	6.47
SV-80	19 000	40 969	98	1300	16 x 5	6.4	10.16	8.84
TZ-28	20 000	42 580	612	1200	1 x 1350	1620	9.53	3.62
TZ-28/GK	19 000	38 428	678	1100	1 x 1350	1.2 g/ml	9.53	3.62

¹ With maximum allowable volume at maximum speed.

² Outer row.

³ Includes the weight of the bucket or carrier.

⁴ Maximum for rotor; actual top speed will typically be less, limited by the microplates used.