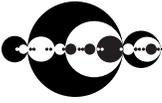


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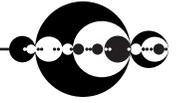
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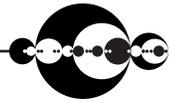
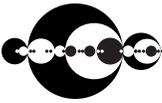


COMPUTER CONTROL SYSTEM TYPES

Control Computer Type	System Mass (mt)	Appropriate Ship Classes	SS Requirement	Maximum WDF Allowed	Availability	Cost (MCr)	Year
AMC-1	1,130	III-VII	0.4	10	LLL/76	23	2228
AMC-2	2,850	IV-XV	1.2	25	LLL/73	59	2239
AMC-3	3,380	IV-XVI	0.8	30	LLL/73	71	2241
AMC-4	3,800	VII-XII	1.1	40	LLL/66	60	2243
AMC-5	4,700	VIII-XV	1.5	50	LLL/54	71	2244
AMC-6	4,280	IX-XVI	1.8	55	LLL/49	90	2246
AMC-7	6,300	VIII-XVII	2.7	60	LLL/45	98	2251
AMC-8	5,840	IX-XX	2.5	75	LLL/35	122	2254
AMC-9	7,000	X-XIX	2.1	90	LLL/27	147	2270
AMC-10	6,070	XI-XX	2.6	120	LLL/24	196	2276
AMC-11	10,890	X-XVIII	3.2	140	LLL/23	228	2283
AMC-12	11,200	XII-XX	3.8	170	LLL/21	277	2289
AMC-13	12,520	XI-XVII	3.9	190	LLL/20	318	2330
AMC-14	13,070	X-XIX	4.3	200	LLL/20	346	2331
AMC-15	11,600	XII-XX	4.5	220	LRL/18	427	2331
AMC-16	5,950	VII-XIX	2.8	115	LLL/24	205	2335
AMC-17	17,850	XIII-XX	6.1	300	LRL/15	414	2343
AMC-18	23,850	XIV-XX	7.9	340	LRL/13	469	2352
AMC-19	26,100	XIV-XX	8.5	370	LRL/11	510	2355
AMC-20	27,450	XV-XX	9	390	LRL/10	538	2357



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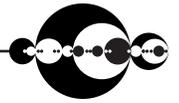
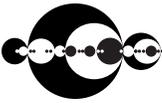


WARP ENGINE TYPES Single Nacelle Use

Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirement	Availability	Cost (MCr)	Year
AWA-1	2,600	5	AMC-1	B/C	0.4	LLL/69	2.4	2228
AWA-2	2,600	9	AMC-1	B/D	0.4	LLL/54	3	2238
AWB-1	14,000	8	AMC-1	H/J	1.7	LLL/61	30	2244
AWB-2	14,000	11	AMC-2	H/J	1.7	RRR/51	32	2254
AWC-1	45,000	12	AMC-2	F/H	2.9	RRR/50	151	2245
AWD-1	50,000	10	AMC-1	K/F	4	RRR/46	220	2247
AWD-2	50,000	16	AMC-3	L/F	4	RRR/45	232	2257
AWE-1	40,000	8	AMC-1	F/I	3.2	LLL/39	129	2249
AWE-2	40,000	12	AMC-2	F/J	3.2	RRR/43	135	2253
AWF-1	37,000	13	AMC-3	E/F	3.6	RRR/53	125	2264
AWF-2	37,000	15	AMC-3	E/F	3.6	RRR/51	128	2266
AWG-1	68,900	32	AMC-7	H/K	6.4	RRR/25	363	2279
AWH-1	42,500	24	AMC-5	D/F	3.6	RRR/29	158	2330
AWH-2	42,500	26	AMC-6	D/F	3.6	RRR/28	161	2340
AWI-1	39,125	18	AMC-4	E/F	4.2	RRR/23	138	2332
AWI-2	39,125	20	AMC-4	E/F	4.2	RRR/27	141	2337
AWI-3	39,125	26	AMC-6	E/F	4.2	RRR/32	148	2342
AWJ-1	84,125	41	AMC-8	G/I	6.9	RRR/21	593	2334
AWJ-2	84,125	44	AMC-8	G/I	6.9	RRR/20	606	2336
AWK-1	80,750	45	AMC-8	D/F	9.5	RRR/21	585	2342
AWL-1	48,000	27	AMC-4	D/E	3.9	RRR/17	183	2363
AWL-2	48,000	31	AMC-5	D/E	3.9	RRR/16	189	2365



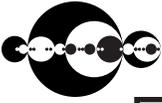
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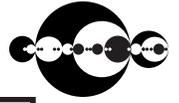
WARP ENGINE TYPES Tandem Nacelle Use

Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirement	Availability	Cost (MCr)	Year
AWA-1	5,200	5 ea.	AMC-2	C/D	0.8	LLL/69	5.3	2228
AWA-2	5,200	9 ea.	AMC-4	C/E	0.8	LLL/54	7	2238
AWB-1	28,000	8 ea.	AMC-3	H/K	3.4	LLL/61	66	2244
AWB-2	28,000	11 ea.	AMC-5	H/K	3.4	RRR/51	70	2254
AWC-1	90,000	12 ea.	AMC-7	G/H	5.8	RRR/50	332	2245
AWD-1	100,000	10 ea.	AMC-6	K/F	8	RRR/46	484	2247
AWD-2	100,000	16 ea.	AMC-8	L/F	8	RRR/45	510	2257
AWE-1	80,000	8 ea.	AMC-4	F/I	6.4	LLL/39	284	2249
AWE-2	80,000	12 ea.	AMC-6	F/J	6.4	RRR/43	297	2253
AWF-1	74,000	13 ea.	AMC-8	G/H	7.2	RRR/53	275	2264
AWF-2	74,000	15 ea.	AMC-9	G/H	7.2	RRR/51	282	2266
AWG-1	137,800	32 ea.	AMC-12	K/L	12.8	RRR/25	799	2279
AWH-1	85,000	24 ea.	AMC-8	D/F	7.2	RRR/29	348	2330
AWH-2	85,000	26 ea.	AMC-9	D/F	7.2	RRR/28	354	2340
AWI-1	78,250	18 ea.	AMC-7	D/E	8.4	RRR/23	304	2332
AWI-2	78,250	20 ea.	AMC-8	D/E	8.4	RRR/27	310	2337
AWI-3	78,250	26 ea.	AMC-9	D/E	8.4	RRR/32	326	2342
AWJ-1	168,250	45 ea.	AMC-12	F/H	13.8	RRR/21	1,305	2334
AWJ-2	168,250	48 ea.	AMC-12	F/H	13.8	RRR/20	1,333	2336
AWK-1	161,500	50 ea.	AMC-12	E/F	19	RRR/21	1,287	2342
AWL-1	96,000	30 ea.	AMC-16	E/F	7.8	RRR/17	403	2363
AWL-2	96,000	34 ea.	AMC-16	E/F	7.8	RRR/16	416	2365





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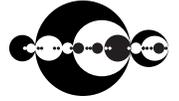
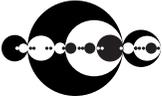


MOVEMENT POINT RATIO TABLE: SINGLE WARP ENGINE

Movement Point Ratios

Ship Class	1/3	1/2	1/1	2/1	3/1	4/1	5/1	6/1
I	AWA-1 21.5 7/8	AWA-1 14 6/8 AWA-2 26 7/8						
II		AWA-1 14 6/8	AWA-1 7 6/7	AWA-2 13 6/8	AWA-2 6.5 6/7			
III		AWB-1 23 7/8	AWA-1 7 6/7	AWB-1 11.5 6/8	AWA-2 6.5 6/7			
			AWB-2 13 6/8	AWB-2 16 7/9	AWB-2 8 7/8			
IV		AWB-1 23 7/8	AWB-1 11.5 6/8	AWB-2 16 7/9	AWB-2 8 7/8			
V		AWB-1 23 7/8	AWB-1 11.5 6/8	AWF-1 18.5 7/9	AWB-2 8 7/8	AWH-2 18.5 8/9	AWL-1 19 9/10	AWH-1 11.5 6/8
			AWB-2 16 7/9	AWF-2 21.5 8/9	AWC-1 8.5 7/9	AWI-1 13 7/8	AWL-2 22 9/10	AWH-2 12.5 7/9
			AWC-1 17 8/9	AWF-2 11 7/9	AWI-2 14 8/9	AWI-2 14 8/9	AWI-1 8.5 6/8	
			AWE-1 11.5 7/8	AWH-1 17 7/8	AWI-3 18.5 7/9			
VI			AWC-1 17 8/9	AWB-1 6 6/7	AWE-2 8.5 7/8	AWI-2 14 8/9	AWB-1 4 5/7	AWI-1 8.5 6/8
			AWD-1 14 7/8	AWB-2 8 7/8	AWF-1 9 7/8	AWI-3 18.5 7/9	AWB-2 5 6/8	AWI-2 9 7/9
			AWD-2 23 7/8	AWC-1 8.5 7/9	AWF-2 11 7/9	AWL-1 19 9/10	AWF-2 7 7/8	AWL-1 13 8/10
			AWE-1 11.5 7/8	AWD-1 7 6/8	AWG-1 23 7/9	AWL-2 22 9/10	AWG-1 15 7/8	AWL-2 15 8/10
			AWE-2 17 7/9	AWD-2 11.5 6/8	AWH-1 17 7/8		AWH-1 11.5 6/8	
			AWF-1 18.5 7/9	AWE-1 6 6/8	AWI-1 13 7/8		AWH-2 12.5 7/9	
VII			AWD-1 14 7/8	AWC-1 8.5 7/9	AWE-2 8.5 7/8	AWI-3 18.5 7/9	AWB-2 5 6/8	AWG-1 15 7/8
			AWD-2 23 7/8	AWD-1 7 6/8	AWF-1 9 7/8		AWH-1 11.5 6/8	AWI-2 9 6/8
			AWE-1 11.5 7/8	AWD-2 11.5 6/8	AWG-1 23 7/9		AWL-1 13 7/9	AWH-1 8.5 6/7
			AWE-2 17 7/9	AWE-1 6 6/8	AWI-1 13 7/8		AWL-2 15 8/10	AWH-2 9 7/8
				AWE-1 6 6/8			AWI-1 8.5 6/8	AWK-1 16 8/9
				AWE-2 8.5 7/8			AWL-2 8/10	AWK-1 16 8/9
VIII			AWD-1 14 7/8	AWC-1 8.5 7/9	AWF-1 9 7/8		AWF-2 7 7/8	AWI-2 7 7/8
			AWE-2 17 7/9	AWD-1 7 6/8			AWG-1 11.5 6/8	AWJ-1 11.5 8/10
				AWD-2 11.5 6/8			AWH-1 13 8/10	AWJ-2 14.5 8/10
				AWE-1 6 6/8			AWL-1 8/10	AWJ-2 16 9/10
				AWE-2 8.5 7/8			AWI-2 15 8/10	AWK-1 16 8/9
							AWI-1 9 6/7	
IX			AWD-1 14 7/8	AWD-1 7 6/8			AWC-1 5.5 7/8	AWH-1 8.5 6/7
				AWD-2 11.5 6/8			AWE-2 6 6/8	AWI-1 6.5 6/7
				AWE-1 6 6/8			AWG-1 6/7	AWJ-1 6.5 6/7
				AWE-2 8.5 7/8			AWL-2 15 8/9	AWI-2 7 7/8
							AWI-1 8.5 6/8	AWJ-1 14.5 8/10
								AWK-1 13 7/9
								AWL-1 8 7/9
								AWH-2 6 6/7



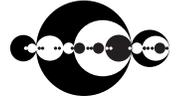
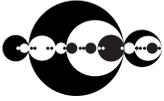


MOVEMENT POINT RATIO TABLE: SINGLE WARP ENGINE

Movement Point Ratios

Ship Class	2/1	3/1			4/1			5/1		6/1		7/1	
X	AWD-1 7 6/8	AWC-1 5.5 7/8	AWE-1 4 6/7	AWG-1 15 7/8	AWC-1 4 6/8	AWG-1 11.5 6/8	AWJ-1 14.5 8/10	AWF-2 4 6/7	AWK-1 13 7/9	AWJ-2 10.5 8/9			
	AWD-2 11.5 6/8	AWD-1 5 6/7	AWE-2 5.5 6/8	AWI-3 12.5 7/8	AWF-1 4.5 6/7	AWI-1 6.5 6/7	AWL-1 9.5 7/9	AWI-2 5.5 6/8	AWL-1 8 7/8	AWK-1 11 7/8			
	AWE-2 8.5 7/8	AWD-2 7.5 6/7	AWF-1 6 6/8		AWF-2 5 6/8	AWI-3 9 6/8	AWL-2 11 8/9	AWJ-2 12.5 8/10					
XI	AWD-1 7 6/8	AWD-1 5 6/7	AWE-2 5.5 6/8		AWF-2 5 6/8	AWL-1 9.5 8/9		AWF-2 4 6/7	AWK-1 13 7/9				
	AWD-2 11.5 6/8	AWD-2 7.5 6/7	AWG-1 15 7/8		AWG-1 11.5 6/8	AWL-2 11 8/9		AWG-1 9 6/7	AWL-1 8 7/9				
	AWE-2 8.5 7/8	AWE-1 4 6/7			AWJ-1 14.5 8/10			AWJ-2 12.5 8/10	AWL-2 9 7/9				
XII					AWE-2 4 6/7	AWJ-1 14.5 8/10		AWG-1 9 6/7	AWL-2 9 7/9	AWJ-2 10.5 8/9	AWL-1 6.5 7/8		
					AWG-1 11.5 6/8			AWL-1 8 7/9		AWK-1 11 7/8			
XIII							AWG-1 9 6/7	AWJ-1 12 8/9	AWJ-2 10.5 8/9	AWK-1 11 7/8	AWK-1 9 6/8		
XIV							AWG-1 9 6/7	AWJ-1 12 8/9				AWJ-2 9 7/9	AWK-1 9 6/8
XV							AWJ-1 12 8/9					AWJ-2 9 7/9	



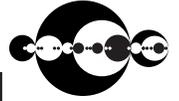
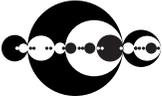


MOVEMENT POINT RATIO TABLE: TANDEM WARP ENGINE

Movement Point Ratios

Ship Class	1/1		2/1		3/1		4/1		5/1		6/1		7/1		8/1			
II	AWA-1 14 5/6	AWA-2 26 6/7																
III	AWA-2 26 6/7		AWA-1 7 4/6															
IV	AWB-1 23 7/8		AWA-2 13 5/7															
V	AWB-1 23 7/8	AWE-1 23 7/9	AWB-2 15.5 7/8	AWE-1 11.5 7/8														
VI			AWB-1 11.5 6/8	AWB-2 15.5 7/8	AWE-1 11.5 7/8													
VII			AWB-1 11.5 6/8 AWB-2 15.5 7/8	AWC-1 17 8/9 AWE-1 11.5 7/8	AWF-1 18.5 8/9	AWB-1 7.5 6/7 AWE-1 7.5 6/8												
VIII			AWB-1 11.5 6/8 AWC-1 17 8/9 AWD-1 14 7/9	AWD-2 23 7/8 AWE-2 17 7/9 AWF-1 18.5 8/9	AWF-2 21.5 7/9 AWI-1 26 8/9	AWB-1 7.5 6/7 AWB-2 10 6/8 AWD-2 15 6/8	AWE-1 7.5 6/8 AWH-1 23 7/9 AWH-2 25 7/9	AWI-2 19 8/9 AWI-3 25 8/9	AWD-2 11.5 6/7 AWH-2 18.5 7/8			AWL-1 17 9/10 AWL-2 19.5 9/10						
IX			AWC-1 17 8/9 AWD-1 14 7/9	AWE-2 17 7/9 AWF-1 18.5 8/9	AWF-2 21.5 7/9 AWI-1 26 8/9	AWB-2 10 6/8 AWD-2 15 6/8	AWE-1 7.5 6/8 AWH-1 23 7/9	AWI-2 19 8/9	AWD-2 11.5 6/7 AWE-1 5.5 6/7	AWH-2 18.5 7/8 AWI-3 18.5 7/9		AWL-1 17 9/10			AWL-2 16 8/10			
X			AWD-1 14 7/9 AWE-2 17 7/9			AWC-1 11.5 7/9 AWD-2 15 6/8 AWE-1 7.5 6/8	AWE-2 11.5 7/8 AWF-1 12.5 7/9 AWF-2 14 7/8	AWH-1 23 7/9 AWI-1 17 7/9 AWI-2 19 8/9	AWD-2 11.5 6/7 AWE-1 5.5 6/7	AWH-2 18.5 7/8 AWI-3 18.5 7/9				AWL-1 14 8/10 AWL-2 16 8/10				
XI			AWD-1 14 7/9			AWC-1 11.5 7/9 AWD-1 9 7/8 AWD-2 15 6/8	AWE-2 11.5 7/8 AWF-1 12.5 7/9 AWH-1 23 7/9	AWI-1 17 7/9	AWC-1 8.5 7/8 AWD-2 11.5 6/7 AWE-1 5.5 6/7	AWF-2 11 6/8 AWG-1 23 7/9 AWH-2 18.5 7/8	AWI-2 14 7/9 AWI-3 18.5 7/9			AWL-1 14 8/10 AWL-2 16 8/10 7/1		AWJ-1 18.5 9/10 AWJ-2 19.5 9/10	AWK-1 18 8/9	
XII									AWC-1 8.5 7/8 AWD-1 7 6/8 AWD-2 11.5 6/7 AWE-1 5.5 6/7	AWE-2 8.5 6/8 AWF-1 9 7/8 AWG-1 23 7/9 AWH-1 17 7/8	AWH-2 18.5 7/8 AWI-1 13 7/8 AWI-3 18.5 7/9	AWD-1 5.5 6/7 AWD-2 9 5/7 AWE-1 4.5 5/7 AWE-2 7 6/7	AWF-1 7.5 6/8 AWF-2 8.5 6/7 AWG-1 18 7/8 AWH-2 15 6/8	AWI-2 11.5 7/8 AWI-3 15 7/8			AWJ-1 18.5 9/10 AWL-1 12 8/9 AWL-2 14 8/9	AWJ-2 17 8/10 AWK-1 18 8/9
XIII												AWH-2 12.5 6/7			AWL-1 12 8/9 AWL-2 14 8/9	AWJ-1 16 8/10 AWJ-2 17 8/10 AWK-1 18 8/9		





MOVEMENT POINT RATIO TABLE: TANDEM WARP ENGINE

Movement Point Ratios

Ship Class	5/1		6/1		7/1	8/1	9/1	10/1		11/1	12/1			
XIV	AWD-1 5.5 6/7 AWD-2 9 5/7 AWE-1 4.5 5/7 AWE-2 7 6/7	AWF-1 7.5 6/8 AWG-1 18 7/8 AWH-1 14 6/8 AWH-2 15 6/8	AWI-1 10 6/8 AWI-3 15 7/8	AWD-1 5 5/7 AWE-1 4 5/6 AWE-2 6 5/7 AWF-2 7 5/7	AWH-2 12.5 6/7 AWI-2 9.5 6/8		AWL-1 12 8/9 AWL-2 14 8/9	AWJ-1 16 8/10 AWL-1 11 7/9 AWL-2 12 7/9	AWJ-1 14 8/9 AWJ-2 15 8/9 AWK-1 16 7/9					
XV	AWD-2 9 5/7 AWE-1 4.5 5/7 AWG-1 18 7/8 AWI-1 10 6/8			AWD-1 5 5/7 AWD-2 7.5 5/6 AWE-1 4 5/6 AWE-2 6 5/7	AWF-1 6 6/7 AWF-2 7 5/7 AWH-1 11.5 6/7 AWH-2 12.5 6/7	AWI-2 9.5 6/8 AWI-3 12.5 6/8	AWL-2 14 8/9	AWL-1 11 7/9 AWL-2 12 7/9	AWJ-1 14 8/9 AWJ-2 15 8/9	AWK-1 14 7/8		AWK-1 13 6/8		
XVI				AWD-1 5 5/7 AWD-2 7.5 5/6	AWE-1 4 5/6 AWE-2 6 5/7	AWF-2 7 5/7 AWG-1 15 6/8		AWL-1 11 7/9 AWL-2 12 7/9	AWJ-1 14 8/9 AWJ-2 15 8/9	AWJ-2 14 7/9 AWK-1 14 7/8		AWK-1 13 6/8		
XVII				AWD-2 7.5 5/6	AWG-1 15 6/8		AWE-2 5 5/6		AWJ-1 14 8/9	AWJ-1 13 7/9	AWJ-2 14 7/9	AWK-1 14 7/8	AWK-1 13 6/8	
XVIII				AWG-1 15 6/8						AWJ-1 13 7/9		AWJ-2 12.5 7/8	AWK-1 13 6/8	
XIX				AWG-1 15 6/8						AWJ-1 13 7/9		AWJ-2 12.5 7/8	AWK-1 13 6/8	AWJ-2 11.5 6/8
X												AWJ-1 11.5 7/8		AWJ-2 11.5 6/8



ANDORIAN EMPIRE

IMPULSE ENGINE TYPES

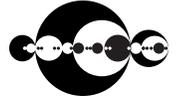
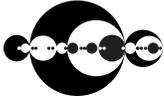
Impulse Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Ship Classes Powered	SS Requirement	Availability	Cost (MCr)	Year
AIA-1	165	1	AMC-1	I-I	0.1	LLL/98	1	2228
AIA-2	165	2	AMC-1	I-III	0.1	LLL/91	2	2228
AIA-3	165	4	AMC-1	II-IV	0.1	LLL/89	3	2228
AIB-1	360	3	AMC-1	III-VII	0.1	LLL/90	2	2241
AIB-2	360	5	AMC-1	VIII-XII	0.1	LLL/84	3	2241
AIC-1	480	6	AMC-1	VI-XII	0.1	LLL/81	4	2244
AIC-2	480	15	AMC-4	VIII-XIII	0.1	RRR/65	9	2244
AID-1	440	8	AMC-1	VI-XI	0.1	LLL/76	5	2256
AID-2	440	10	AMC-2	VI-XVII	0.1	RRR/74	6	2256
AIE-1	438	12	AMC-3	VII-X	0.1	RRR/69	4	2268
AIE-2	438	16	AMC-3	X-XV	0.1	RRR/60	10	2268
AIE-3	438	20	AMC-4	XII-XIX	0.1	RRR/43	12	2268
AIF-1	510	14	AMC-1	VII-XIII	0.1	RRR/65	8	2333
AIF-2	510	18	AMC-2	IX-XIV	0.1	RRR/58	13	2336
AIF-3	510	24	AMC-4	XI-XVII	0.1	RRR/41	17	2345
AIG-1	493	17	AMC-3	X-XV	0.1	RRR/59	12	2335
AIG-2	493	21	AMC-4	XI-XVI	0.1	RRR/42	16	2339
AIG-3	493	25	AMC-3	XIII-XVIII	0.1	RRR/39	20	2343
AIH-1	615	22	AMC-3	XII-XIV	0.1	RRR/44	19	2342
AIH-2	615	28	AMC-3	XIII-XVI	0.1	RRR/35	26	2350
AIH-3	615	30	AMC-7	XIV-XVIII	0.1	RRR/29	34	2359
AII-1	720	26	AMC-4	XII-XV	0.1	RRR/37	25	2355
AII-2	720	35	AMC-7	XIV-XVII	0.1	RRR/21	43	2356
AII-3	720	38	AMC-8	XV-XX	0.1	RRR/16	58	2362



MOVEMENT POINT RATIO TABLE: IMPULSE ENGINE

Movement Point Ratios

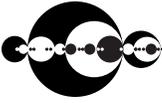
Ship Class	1/3	1/2	1/1	2/1		3/1		4/1		5/1		6/1		7/1		8/1	
I	AIA-1 4 AIA-2 8.5	AIA-1 3 AIA-2 5.5															
II		AIA-2 5.5 AIA-3 11.5	AIA-2 3 AIA-3 5.5		AIA-3 3												
III		AIB-1 8.5	AIA-2 3 AIA-3 5.5	AIB-1 4	AIA-2 1.5 AIA-3 3	AIB-1 2											
IV		AIB-1 8.5	AIA-3 5.5	AIB-1 4	AIA-3 3	AIB-1 2											
V		AIB-1 8.5	AIB-1 4		AIB-1 2												
VI			AIB-1 4 AIC-1 8.5	AID-1 11.5 AID-2 14	AIB-1 2 AIC-1 4	AID-1 6 AID-2 7	AIB-1 1.5 AIC-1 3	AID-1 4									
VII			AIB-1 4 AIC-1 8.5 AID-1 11.5	AID-2 14 AIE-1 17	AIB-1 2 AIC-1 4 AID-1 6	AID-2 7 AIE-1 8.5 AIF-1 10	AIB-1 1.5 AIC-1 3 AID-1 4	AID-2 5 AIE-1 5.5 AIF-1 6.5	AIB-1 7 AID-1 3 AIF-1 5								
VIII			AIB-2 7 AIC-1 8.5 AIC-2 21.5 AID-2 14	AIE-1 17	AIB-2 3.5 AIC-1 4 AIC-2 11 AID-1 6	AID-2 7 AIE-1 8.5 AIF-1 10	AIB-2 2.5 AIC-1 3 AIC-2 7 AID-1 4	AID-2 5 AIE-1 5.5 AIF-1 6.5	AIC-1 2 AIC-2 5 AID-1 3 AIF-1 5		AIF-1 4						
IX			AIB-2 7 AIC-2 21.5 AID-2 14 AIE-1 17		AIB-2 3.5 AIC-1 4 AIC-2 11 AID-1 6	AID-2 7 AIE-1 8.5 AIF-2 13	AIB-2 2.5 AIC-1 3 AIC-2 7 AID-1 4	AID-2 5 AIE-1 5.5 AIF-1 6.5 AIF-2 8.5	AIC-1 2 AIC-2 5 AID-1 3 AIF-1 5	AIF-2 6.5	AIF-1 4 AIF-2 5						
X					AIB-2 3.5 AIC-1 4 AIC-2 11 AID-2 7 AIE-1 8.5	AIE-2 11.5	AIB-2 2.5 AIC-1 3 AIC-2 7 AID-1 4 AID-2 5	AIE-1 5.5 AIE-2 7.5 AIF-1 6.5 AIF-2 8.5 AIG-1 8	AIB-2 2 AIC-1 2 AIC-2 5 AID-1 3 AID-2 3.5	AIE-1 4 AIE-2 5.5 AIF-1 5 AIF-2 6.5 AIG-1 6	AIF-1 4 AIF-2 5 AIG-1 5		AIF-1 3.5 AIF-2 4 AIG-1 4				
XI					AIC-2 11 AID-2 7 AIE-2 11.5		AIB-2 2.5 AIC-1 3 AIC-2 7 AID-1 4 AID-2 5 AIE-2 7.5	AIF-2 8.5 AIF-3 11.5 AIG-1 8 AIG-2 10 AIG-3 12	AIB-2 2 AIC-1 2 AIC-2 5 AID-1 3 AID-2 3.5 AIE-2 5.5	AIF-2 6.5 AIF-3 8.5 AIG-1 6 AIG-2 7.5 AIG-3 9	AIF-1 4 AIF-2 5 AIF-3 6 AIG-1 5 AIG-2 6 AIG-3 7		AIF-1 3.5 AIF-2 4 AIG-1 4 AIG-2 5 AIG-3 6		AIF-1 3		
XII									AIB-2 2 AIC-1 2 AIC-2 5 AID-2 3.5 AIE-2 5.5 AIE-3 7 AIF-2 6.5	AIF-3 8.5 AIG-1 6 AIG-2 7.5 AIG-3 9 AIH-1 8 AII-1 9	AIB-2 1.5 AIC-1 1.5 AIC-2 4 AID-2 3 AIE-2 4.5 AIE-3 5.5 AIF-2 5	AIF-3 7 AIG-1 5 AIG-2 6 AIG-3 7 AIH-1 6 AII-1 7.5	AIF-1 4 AIF-2 6 AIG-1 5 AIG-2 6 AIG-3 6 AIH-1 6	AII-1 6	AIF-1 3.5 AIG-1 5 AIG-2 4 AIG-3 4 AIH-1 5 AII-1 4.5		AIF-1 3 AIH-1 4 AII-1 3
XIII										AIC-2 4 AID-2 6 AIE-2 4.5 AIE-3 5.5 AIF-2 5 AIF-3 7	AIG-1 5 AIG-2 6 AIG-3 7 AIH-1 6 AIH-2 8 AII-1 7.5	AIF-2 4 AIF-3 6 AIG-1 4 AIG-2 5 AIG-3 6 AIH-1 5	AII-2 6.5 AII-1 6	AIF-1 3.5 AIF-2 5 AIF-3 3.5 AIG-1 4 AIG-2 5 AIG-3 4.5	AIH-1 6 AIH-2 5 AII-1 5	AIF-1 3 AIG-1 4 AIH-1 3 AIH-2 4 AII-1 4.5	



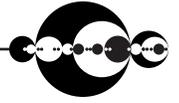
MOVEMENT POINT RATIO TABLE: IMPULSE ENGINE

Ship Class	Movement Point Ratios																
	5/1		6/1		7/1		8/1		9/1		10/1		11/1		12/1		
XIV	AID-2 3 AIE-2 4.5 AIE-3 5.5 AIF-3 7 AIG-2 6 AIH-1 6 AIH-3 8.5 AII-1 7.5	AII-2 10	AID-2 2 AIE-2 4 AIE-3 5 AIF-2 6 AIF-3 5 AIG-1 5 AIG-2 7 AIG-3 6 AIH-1 6 AIH-3 8.5 AIG-1 5	AIG-2 7 AIG-3 6 AIH-1 8.5 AIH-2 6.5 AIH-3 7 AIH-1 6 AIH-2 7 AII-2 8.5 AIG-1 5	AIF-2 5 AIF-3 4 AIG-1 4.5 AIG-2 6 AIG-3 5 AIH-1 7 AIH-2 6 AIH-3 6	AII-1 5 AII-2 7	AIF-2 4 AIF-3 4 AIG-1 4 AIG-2 5.5 AIG-3 4.5 AIH-1 6 AIH-2 5 AIH-3 5.5	AII-1 4.5 AII-2 6									
XV	AID-2 3 AIE-2 4.5 AIE-3 5.5 AIH-3 8.5 AII-1 7.5	AII-3 11	AID-2 2 AIE-2 4 AIE-3 5 AIF-3 7 AIG-3 6	AIH-3 9 AII-1 6 AII-2 8.5 AII-3 9	AIF-3 6 AIG-2 5 AIG-3 8 AIH-2 5 AIH-3 7	AII-1 8 AII-2 7 AII-3 8	AIF-3 5.5 AIG-1 4.5 AIG-2 7 AIG-3 4.5 AIH-2 6	AIH-3 7 AII-1 6 AII-2 7 AII-3 7	AIF-3 5 AIG-1 4 AIG-2 6 AIG-3 4 AIH-2 5.5	AIH-3 6 AII-1 5.5 AII-2 6 AII-3 6	AIG-1 4 AIG-2 4 AIG-3 5.5 AIH-2 4 AIH-3 5	AII-1 5.5 AII-3 5	AIG-1 4 AII-1 3.5 AII-3 5				
XVI			AID-2 2 AIE-3 5				AIF-3 4 AIG-2 4 AIG-3 4.5 AIH-2 5	AIH-3 5.5 AII-2 6 AII-3 7	AIF-3 4 AIG-2 3.5 AIG-3 4 AIH-2 4.5	AIH-3 5 AII-2 5.5 AII-3 6	AIF-3 3.5 AIG-2 3 AIG-3 3.5 AIH-2 4	AIH-3 4 AII-2 5 AII-3 5.5	AIF-3 3 AIG-2 3 AIG-3 3 AIH-2 3.5	AII-3 5			
XVII			AID-2 2 AIE-3 5						AIF-3 4 AIH-3 5	AII-2 5.5 AII-3 6	AIF-3 3.5 AIH-3 4	AII-2 5 AII-3 5.5	AIF-3 3 AIH-3 4	AII-2 4.5 AII-3 5			
XVIII			AIE-3 5								AIH-3 4 AII-2 5	AII-3 5.5	AIH-3 4 AII-2 4.5	AII-3 5			
XIX			AIE-3 5										AII-3 5			AII-3 4.5	
XX													AII-3 5			AII-3 4.5	





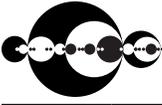
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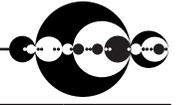
SHIELD GENERATOR TYPES

Shield Generator Type	Total Mass (mt)	Control Computer Requirement	Shield Efficiency Rating	SS Requirement	Availability	Cost (Mcr)	Year
ASA	294	AMC-1	1	1.2	RRR/96	3	2228
ASB	367	AMC-2	2	1.4	RRR/91	8	2239
ASC	502	AMC-3	1	2	RRR/88	5	2240
ASD	579	AMC-4	2	2.3	RRR/81	11	2243
ASE	521	AMC-3	1	2.1	RRR/83	6	2244
ASF	305	AMC-3	2	1.9	RRR/70	12	2256
ASG	510	AMC-5	3	1	RRR/68	18	2268
ASH	661	AMC-6	3	1.6	RRR/63	20	2272
ASI	575	AMC-5	3	1.8	RRR/49	1	2273
ASJ	1,101	AMC-9	2	4.3	RRR/32	22	2307
ASK	672	AMC-7	3	2.9	RRR/31	23	2330
ASL	708	AMC-8	3	3.1	RRR/30	24	2332
ASM	510	AMC-8	3	3.9	RRR/40	26	2340
ASN	915	AMC-8	3	3.4	RRR/28	27	2341
ASO	1,620	AMC-9	3	4.5	RRR/26	33	2345
ASP	1,751	AMC-10	3	5.8	RRR/16	40	2348
ASQ	1,285	AMC-11	4	4.6	RRR/21	48	2349
ASR	1,870	AMC-13	4	5.9	RRR/12	72	2352
AST	1,594	AMC-12	3	6.7	RRR/11	64	2353
ASU	2,311	AMC-14	3	8.1	RRR/8	71	2359





ANDORIAN EMPIRE



MAXIMUM SHIELD POWER Shield Types/Shield Point Ratios

Ship Class	1/1			1/2				1/3							1/4					
	ASA	ASC	ASE	ASB	ASD	ASF	ASJ	ASG	ASH	ASI	ASK	ASL	ASM	ASN	ASO	ASP	AST	ASU	ASQ	ASR
I	8	13	15	10	15	16	30	16	18	16	20	21	21	24	30	36	57	63	32	48
	11.5	18.5	21	7	10.5	11.5	21	7.5	8.5	7.5	9.5	10	10	11.5	14	17	27	30	11.5	17
II	8	13	15	10	15	16	30	16	18	16	20	21	21	24	30	36	57	63	32	48
	11.5	18.5	21	7	10.5	11.5	21	7.5	8.5	7.5	9.5	10	10	11.5	14	17	27	30	11.5	17
III	8	13	15	10	15	15	30	16	18	16	20	21	21	24	30	35	57	63	32	48
	11.5	18.5	21	7	10.5	10.5	21	7.5	8.5	7.5	9.5	10	10	11.5	14	16.5	27	30	11.5	17
IV	8	13	15	10	15	15	29	16	18	16	20	21	21	24	30	35	57	63	32	48
	11.5	18.5	21	7	10.5	10.5	20.5	7.5	8.5	7.5	9.5	10	10	11.5	14	16.5	27	30	11.5	17
V	8	13	15	10	15	14	29	16	18	16	20	21	20	24	30	35	57	63	32	48
	11.5	18.5	21	7	10.5	10	20.5	7.5	8.5	7.5	9.5	10	9.5	11.5	14	16.5	27	30	11.5	17
VI	8	13	15	10	15	13	29	15	18	16	20	21	20	24	30	35	57	63	32	47
	11.5	18.5	21	7	10.5	9.5	20.5	7	8.5	7.5	9.5	10	9.5	11.5	14	16.5	27	30	11.5	17
VII	8	13	15	10	15	13	29	14	18	16	20	21	20	24	30	34	57	63	32	47
	11.5	18.5	21	7	10.5	9.5	20.5	7	8.5	7.5	9.5	10	9.5	11.5	14	16	27	30	11.5	17
VIII	8	13	15	9	15	12	28	13	18	16	20	21	20	24	30	34	57	63	31	47
	11.5	18.5	21	6.5	10.5	8.5	20	6.5	8.5	7.5	9.5	10	9.5	11.5	14	16	27	30	11	17
IX	8	13	15	9	15	12	28	12	18	15	20	21	20	24	30	34	56	62	31	47
	11.5	18.5	21	6.5	10.5	8.5	20	5.5	8.5	7	9.5	10	9.5	11.5	14	16	26.5	29.5	11	17
X	7	13	15	9	15	11	28	11	18	14	20	21	20	24	30	34	56	62	31	47
	10	18.5	21	6.5	10.5	8	20	5	8.5	7	9.5	10	9.5	11.5	14	16	26.5	29.5	11	17
XI	7	13	15	9	15	10	28	11	18	14	20	20	20	24	30	33	56	61	31	47
	10	18.5	21	6.5	10.5	7	20	5	8.5	7	9.5	9.5	9.5	11.5	14	15.5	26.5	29	11	17
XII	7	13	15	9	15	9	28	10	18	13	20	20	20	24	30	33	56	61	31	47
	10	18.5	21	6.5	10.5	6.5	20	4.5	8.5	6.5	9.5	9.5	9.5	11.5	14	15.5	26.5	29	11	17
XIII	7	13	15	9	15	8	27	10	17	12	20	20	20	23	30	33	56	60	31	47
	10	18.5	21	6.5	10.5	5.5	19	4.5	8	5.5	9.5	9.5	9.5	11	14	15.5	26.5	28.5	11	17
XIV	7	13	15	9	15	6	27	9	17	11	20	20	19	23	30	32	56	60	31	46
	10	18.5	21	6.5	10.5	4.5	19	4	8	5	9.5	9.5	9	11	14	15	26.5	28.5	11	16
XV	7	13	14	9	14	3	27	6	17	7	20	20	19	23	29	32	56	59	31	46
	10	18.5	20	6.5	10	2.5	19	3	8	3.5	9.5	9.5	9	11	14	15	26.5	28	11	16
XVI	7	13	14	9	14	1	27	4	17	6	19	20	19	23	29	32	55	59	31	46
	10	18.5	20	6.5	10	0.5	19	2	8	3	9	9.5	9	11	14	15	26	28	11	16
XVII	7	12	14	9	14	-	26	2	17	5	19	20	19	23	29	32	55	58	31	46
	10	17	20	6.5	10	-	18.5	1	8	2.5	9	9.5	9	11	14	15	26	27.5	11	16
XVIII	7	12	14	9	14	-	26	-	17	4	19	20	19	23	29	31	55	58	31	46
	10	17	20	6.5	10	-	18.5	-	8	2	9	9.5	9	11	14	15	26	27.5	11	16
XIX	7	12	14	9	14	-	26	-	17	3	19	20	19	22	29	31	55	57	31	46
	10	17	20	6.5	10	-	18.5	-	8	1.5	9	9.5	9	10.5	14	15	26	27	11	16
XX	7	12	14	9	14	-	26	-	17	2	19	20	18	22	29	31	55	57	30	46
	10	17	20	6.5	10	-	18.5	-	8	1	9	9.5	8.5	10.5	14	15	26	27	10.5	16



ANDORIAN EMPIRE

PHASER BEAM WEAPON TYPES

Phaser Weapon Type	Total Mass (mt)	Maximum Beam Power	Damage Modifiers			Maximum Range (Hex)	Firing Chart	Weapon Damaging Factor	SS Requirements		Availability	Cost (MCr)	Year
			+3	+2	+1				(single / bank)				
AH-1	250	2	(1-4)	(5-6)	(7-8)	8	E	0.9	0.5 / 0.8	RRR/81	37	2228	
AH-2	375	3	(1-4)	(5-7)	(8-10)	10	G	1.5	0.6 / 0.9	RRR/79	56	2231	
AH-3	300	3	(1-6)	(7-12)	(13-16)	16	S	3.3	0.7 / 1.1	RRI/78	45	2246	
AH-4	560	5	(1-3)	(4-8)	(9-10)	10	J	2.9	1.3 / 1.9	RRI/75	84	2250	
AH-5	500	4	N/A	(1-8)	(9-16)	16	R	3.1	0.8 / 1.2	RRI/72	75	2256	
AH-6	690	7	N/A	(1-10)	(11-14)	14	M	4.2	1.4 / 2.1	RRI/65	103	2258	
AH-7	490	5	N/A	(1-12)	(13-24)	24	Y	5.7	1.3 / 2	RRI/44	74	2262	
AH-8	315	4	(1-16)	(17-18)	(19-20)	20	U	4.6	1.1 / 1.6	RRI/55	47	2268	
AH-9	360	6	N/A	(1-9)	(10-16)	16	R	4.9	1 / 1.5	RRI/63	54	2270	
AH-10	620	8	(1-5)	(6-12)	(13-18)	18	T	6.5	1.8 / 2.7	RRI/50	93	2271	
AH-11	255	6	(1-15)	(16-18)	(19-20)	20	W	6.5	0.8 / 1.8	RRI/46	34	2331	
AH-12	383	9	(1-15)	(16-18)	(19-20)	20	W	8.8	1.2 / 2.6	RRI/43	52	2333	
AH-13	438	12	(1-7)	(8-15)	(16-20)	20	W	10.7	1.3 / 2.8	RRI/36	59	2335	
AH-14	380	5	(1-14)	(15-20)	(21-24)	24	Y	5.8	0.9 / 1.4	RRI/61	57	2337	
AH-15	799	15	(1-14)	(15-20)	(21-24)	24	Y	14.9	2.6 / 5.6	RRI/22	109	2340	
AH-16	700	17	(1-8)	(9-15)	(16-21)	21	V	13.07	2.6 / 5.6	RRI/18	95	2341	
AH-17	1,160	23	(1-10)	(11-17)	(18-24)	24	Y	21.53	4 / 8.6	RRI/12	158	2352	
AH-18	1,360	27	(1-10)	(11-17)	(18-24)	24	Y	24.96	4.7 / 10.2	RRI/9	185	2356	

PHOTON TORPEDO WEAPON TYPES

Missile Weapon Type	Mass (mt)	Power to Arm	Damage	Range	Firing Chart	WDF	SS	Availability	Cost (MCr)	Year
AP-1	105	1	5	8	F	1.3	0.7	RRR/90	16	2228
AP-2	220	1	10	15	K	4.2	1.1	RRI/68	33	2249
AP-3	120	1	6	10	H	2	0.9	RRI/76	18	2257
AP-4	210	1	8	16	R	4.8	0.8	RRI/79	32	2271
AP-5	360	1	15	16	S	9.4	1.7	RRI/60	54	2272
AP-6	324	1	30	16	S	18.8	3	III/12	44	2331
AP-7	170	1	24	16	R	14.3	1.6	RRI/34	23	2338
AP-8	208	1	28	16	S	17.5	1.9	III/15	27	2343
AP-9	281	1	32	14	O	16.6	2.6	III/10	37	2346
AP-10	213	1	35	16	R	20.8	2	III/8	28	2349
AP-11	76	1	14	16	R	8.3	0.7	RRI/43	9	2355
AP-12	97	1	18	14	O	9.3	0.9	RRI/41	13	2356
AP-13	81	1	12	16	S	7.5	0.7	RRI/52	10	2357

DISRUPTOR MISSILE WEAPON TYPES

Missile Weapon Type	Mass (mt)	Power to Arm	Damage	Range	Firing Chart	WDF	SS	Availability	Cost (MCr)	Year
ADM-1	560	3	6	20	U	3.9	0.9	RRI/31	84	2271
ADM-2	600	3	8	18	T	5.1	1.1	RRI/28	90	2276
ADM-3	790	4	14	14	M	6.7	1.6	RRI/21	119	2277
ADM-4	840	4	16	16	S	10	2	RRI/18	126	2284
ADM-5	975	5	20	14	Q	11	2.3	RRI/14	146	2288
ADM-6	2310	6	25	14	Q	13.7	4.1	III/9	347	2290
ADM-7	1600	7	30	16	R	17.9	3.7	III/6	240	2303
ADM-8	1650	9	38	18	T	24.2	5.6	III/2	248	2311
ADM-9	2920	10	40	14	Q	21.9	7.1	III/1	438	2339
ADM-10	1650	5	28	16	R	16.6	4.6	III/7	248	2346
ADM-11	1120	4	20	20	U	13	2.2	RRI/12	168	2348



Create new starship for your Andorian based characters.

This supplement to the Ship Construction Manual contains all the information necessary to construct Andorian based starships for your Star Trek Role Playing Games. From the maneuverable battle frigate to the largest freighters, this book allow you to design state-of-the-art starships using Andorian components. The easy-to-use format combined with the comprehensive data provides both historical and modern equipment and components necessary to build a variety of Andorian ships in the FASA Star Trek Universe.

This rulebook includes tables for computers, engine weapons and shields that are used by the Andorian Empire. These charts can help starship engineers create accurate vessels for both the Star Trek Role Playing Game as well as Star Trek Starship Tactical Combat Simulator.

