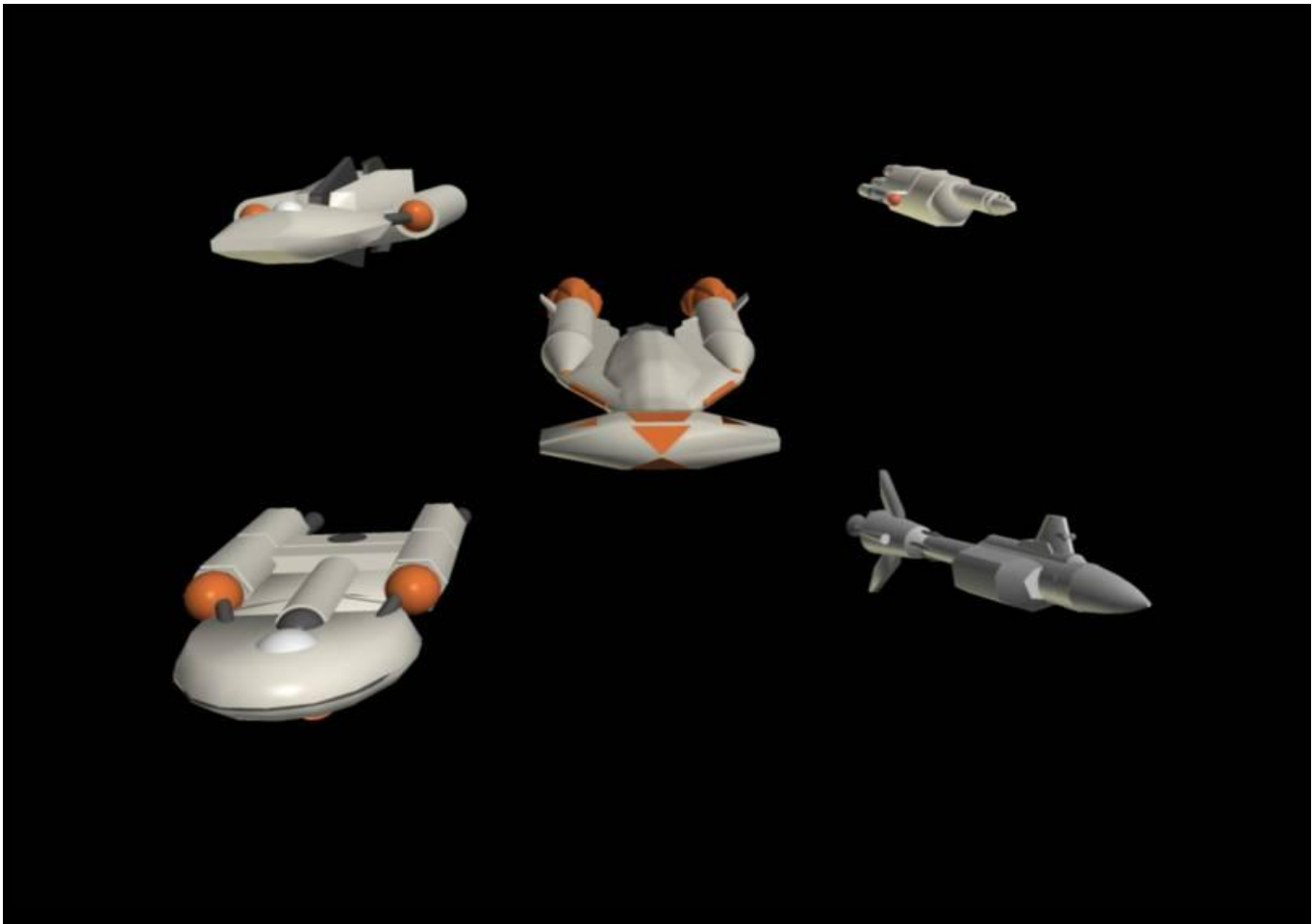


2130-2160 Starship Construction Charts

FASA Star Trek Starship Tactical Combat Simulator



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Thanks to the following for their assistance: Lee Wood, Steve Pugh, Terry Shannon, George Recker Jr.

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STARSHIP WEIGHT TABLE		
	Minimum	Maximum
Ship Class	Weight	Weight
I	1,000	5,000
II	5,000	15,000
III	15,000	25,000
IV	25,000	40,000
V	40,000	60,000
VI	60,000	80,000
VII	80,000	100,000
VIII	100,000	120,000
IX	120,000	140,000
X	140,000	160,000
XI	160,000	180,000
XII	180,000	210,000
XIII	210,000	240,000
XIV	240,000	300,000
XV	300,000	350,000
XVI	350,000	400,000
XVII	400,000	450,000
XVIII	450,000	500,000
XIX	500,000	600,000
XX	600,000	700,000

Computer Control Types

Computer Control Type	System Mass (mt)	Appropriate Ship Classes	SS Requirement	Maximum WDF Allowed	Availability	Date Entered Service	Cost
J-1M	100	1	0.1	2		2150	
J-1	250	1-4	0.5	2		2105	
J-2	500	1-8	1	3		2140	
J-2A	750	3-8	1.5	4		2151	
J-3	1000	9-12	2	5		2140	
J-4	2000	13-16	3	7		2140	
J-5	4000	15-20	4	10		2140	
J-6	8000	17-20	6	15		2140	

Computer Control Suitability

CONTROL COMPUTER TYPE	SINGLE WARP DRIVE	TANDEM WARP DRIVES	QUAD WARP DRIVES	IMPULSE ENGINE TYPE	SHIELD TYPE	MAXIMUM WDF ALLOWED
J-1M	EMFTL-1 EMFTL-2	EMFTL-1 EMFTL-2		ENSP-M	EDS-M	2
J1	EMFTL-1 EMFTL-2 EFTL-1A EFTL-1B EFTL-8 EFTL-10	EMFTL-1 EMFTL-2 EFTL-1A EFTL-1B EFTL-8		ENSP-M ENSP-1 ENSP-2	EDS-M EDS-1	2
J2	EMFTL-1 EMFTL-2 EFTL-1A EFTL-1B EFTL-2 EFTL-5 EFTL-6 EFTL-8 EFTL-10	EMFTL-1 EMFTL-2 EFTL-1A EFTL-1B EFTL-6 EFTL-8 EFTL-10	EFTL-8	ENSP-M ENSP-1 ENSP-2	EDS-M EDS-1 EDS-2	3
J-2A	EMFTL-1 EMFTL-2 EFTL-X EFTL-1A EFTL-1B EFTL-2 EFTL-5 EFTL-6 EFTL-8 EFTL-10	EMFTL-1 EMFTL-2 EFTL-X EFTL-1A EFTL-1B EFTL-6 EFTL-8 EFTL-10	EFTL-8	ENSP-M ENSP-1 ENSP-2	EDS-M EDS-1 EDS-2	4
J3	EMFTL-1 EMFTL-2 EFTL-X EFTL-1A EFTL-1B EFTL-2 EFTL-3 EFTL-5 EFTL-6 EFTL-8 EFTL-10	EMFTL-1 EMFTL-2 EFTL-X EFTL-1A EFTL-1B EFTL-2 EFTL-6 EFTL-8 EFTL-10	EFTL-8	ENSP-M ENSP-1 ENSP-2 ENSP-3	EDS-M EDS-1 EDS-2 EDS-3	5
J4	ALL BUT EFTL-9	ALL BUT EFTL-7, OR EFTL-9	EFTL-8	ALL BUT ENSP-5 OR ENSP-6	ALL BUT EDS-5 OR EDS-6	7
J5	ALL	ALL BUT EFTL-9	ALL BUT EFTL-9	ALL	ALL BUT EDS-6	10
J6	ALL	ALL	ALL	ALL	ALL	15

WARP ENGINE TYPES

SINGLE ENGINE USE

Warp Engine Type	Mass (MT)	Power Units Available	Computer Control Required	Stress Column (Eng/SS)	Superstructure	Max Speed	Type	Year
EMFTL-1	1000	4	J-1M		0.3	2.5	FUSION	2140
EMFTL-2	750	4	J-1M		0.3	4.0	M/AM	2158
EFTL-X	25000	7	J-2A		3	5	M/AM	2151
EFTL-1A	5000	5	J-1		1.0	2.5	FUSION	2105
EFTL-1B	7500	6	J-1		1.5	2.5	FUSION	2130
EFTL-1C	3250	5	J-1		0.5	2.5	FUSION	2150
EFTL-2	50000	7	J-2		3.0	2.5	FUSION	2140
EFTL-3	161000	7	J-3		5.0	2.5	FUSION	2140
EFTL-4	175000	10	J-4		5.0	3.0	M/AM	2158
EFTL-5	46500	11	J-2		2.5	3.0	M/AM	2158
EFTL-6	34000	9	J-2		2.0	3.5	M/AM	2158
EFTL-7	164500	11	J-4		5.0	3.5	M/AM	2158
EFTL-8	7500	7	J-1		1.0	4.0	M/AM	2159
EFTL-9	199000	15	J-5		5.0	4.0	M/AM	2159
EFTL-10	3000	8	J-1	Q/R	0.3	4.0	M/AM	2158

WARP ENGINE TYPES

DUAL ENGINE USE

Warp Engine Type	Mass (MT)	Power Units Available	Computer Control Required	Stress Column (Eng/SS)	Superstructure	Max Speed	Type	Year
EMFTL-1	2000	5 EA	J-1M		0.6	2.5	FUSION	2140
EMFTL-2	1500	5 EA	J-1M		0.6	4.0	M/AM	2158
EFTL-X	50000	8 EA	J-2A		6.0	5.0	M/AM	2151
EFTL-1A	10000	6 EA	J-1		2.0	2.5	FUSION	2105
EFTL-1B	15000	7 EA	J-1		3.0	2.5	FUSION	2130
EFTL-1C	6500	6 ea	J-1		1.0	2.5	FUSION	2150
EFTL-2	100000	8 EA	J-3		6.0	2.5	FUSION	2140
EFTL-3	322000	8 EA	J-4		10.0	2.5	FUSION	2140
EFTL-4	350000	11 EA	J-5		10.0	3.0	M/AM	2158
EFTL-5	93000	12 EA	J-4		5.0	3.0	M/AM	2158
EFTL-6	68000	10 EA	J-2		4.0	3.5	M/AM	2158
EFTL-7	329000	12 EA	J-5		10.0	3.5	M/AM	2158
EFTL-8	15000	8 EA	J-1		2.0	4.0	M/AM	2159
EFTL-9	398000	16 EA	J-6		10.0	4.0	M/AM	2159
EFTL-10	6000	9 EA	J-2	Q/R	0.6	4.0	M/AM	2158

WARP ENGINE TYPES

QUAD ENGINE USE

Warp Engine Type	Mass (MT)	Power Units Available	Computer Control Required	Stress Column (Eng/SS)	Superstructure	Availability	Cost	Year
EFTL-8	30000	8 EA	J-2		4.0	4.5	M/AM	2159
EFTL-7A	571000	12 EA	J-6		20.0	4.0	M/AM	2158

MOVEMENT POINT RATIO TABLE

SINGLE WARP DRIVES

Movement Point Ratios									
CLASS	1/2	1/1		2/1	3/1	4/1	5/1	6/1	7/1
1	EMFTL-1 11.6 WF2.5 EMFTL-2 11.6 WF4	EMFTL-1 5.8 WF2.5 EMFTL-2 5.8 WF4	EFTL-10 11.6 WF4						
2		EMFTL-1 5.8 WF2.5 EMFTL-2 5.8 WF4	EFTL-10 11.6 WF4	EFTL-10 5.8 WF4 EFTL-1C 3.6 WF2.5	EFTL-8 3.4 WF4 EFTL-1C 2.4 WF2.5				
3					EFTL-1A 2.4 WF2.5 EFTL-1B 2.9 WF2.5	EFTL-8 2.5 WF4			
4						EFTL-X 2.5 WF5	EFTL-8 2.0 WF4		
5					EFTL-5 5.3 WF3	EFTL-X 2.5 WF5 EFTL-6 3.3 WF3.5			
6					EFTL-5 5.3 WF3	EFTL-2 2.5 WF2.5 EFTL-6 3.3 WF3.5	EFTL-X 2.0 WF5 EFTL-X 2.0 WF5		
7						EFTL-2 2.5 WF2.5 EFTL-5 4.0 WF3			
8						EFTL-5 4.0 WF3	EFTL-2 2.0 WF2.5		
9							EFTL-5 3.2 WF3		
10									
11									
12								EFTL-3 1.7 WF2.5	
13								EFTL-3 1.7 WF2.5 EFTL-4 2.4 WF3	
14								EFTL-4 2.4 WF3 EFTL-7 2.7 WF3.5	EFTL-3 1.5 WF2.5
15								EFTL-7 2.7 WF3.5 EFTL-9 3.6 WF4	EFTL-4 2.1 WF3
16								EFTL-9 3.6 WF4	EFTL-7 2.3 WF3.5
17									EFTL-9 3.1 WF4
18									
19									

MOVEMENT POINT RATIO TABLE

TANDEM WARP DRIVES

Movement Point Ratios								
CLASS	1/1	2/1	3/1	4/1	5/1	6/1	7/1	
1		EMFTL-1 7.3 WF2.5 EMFTL-2 7.3 WF4						
2		EMFTL-1 7.3 WF2.5 EMFTL-2 7.3 WF4 EFTL-10 13.0 WF4	EFTL-10 8.7 WF4	EFTL-1C 4.4 WF 2.5				
3		EFTL-10 13.0 WF4	EFTL-10 8.7 WF4	EFTL-1C 4.4 WF 2.5				
4			EFTL-10 8.7 WF4	EFTL-8 7.7 WF4 EFTL-1A 4.4 WF 2.5 EFTL-1B 5.1 WF 2.5	EFTL-8 4.6 WF4			
5					EFTL-8 4.6 WF4			
6					EFTL-8 4.6 WF4	EFTL-X 4.6 WF5		
7					EFTL-X 4.6 WF5	EFTL-6 5.8 WF3.5		
8						EFTL-6 5.8 WF3.5		
9					EFTL-2 4.6 WF2.5	EFTL-5 6.9 WF3		
10					EFTL-2 4.6 WF2.5	EFTL-5 6.9 WF3		
11						EFTL-5 5.7 WF3		
12						EFTL-5 5.7 WF3		
13							EFTL-5 4.9 WF3	
14								
15								
16							EFTL-3 3.3 WF2.5	EFTL-4 4.6 WF3
17							EFTL-3 3.3 WF2.5 EFTL-7 5.0 WF3.5	EFTL-4 4.6 WF3
18							EFTL-3 3.3 WF2.5 EFTL-7 5.0 WF3.5	EFTL-4 4.6 WF3 EFTL-9 6.6 WF4
19							EFTL-9 6.6 WF4	
20								

MOVEMENT POINT RATIO TABLE

QUAD WARP DRIVES

CLASS	Movement Point Ratios								
	1/2	1/1	2/1	3/1	4/1	5/1	6/1	7/1	8/1
4									
5					EFTL-8 11.4 WF4.5				
6					EFTL-8 11.4 WF4.5				
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19								EFTL-7A 10.0 WF4	
20								EFTL-7A 10.0 WF4	

IMPULSE ENGINE TYPES

Engine Type	Mass (MT)	Power Units Available	Control Computer Type	Appropriate Ship Class	Superstructure	Availability	Cost (MCr)	Year
ENSP-M	75	1	J-1	1	0.1			2140
ENSP-1	500	1	J-1	1-4	0.2			2105
ENSP-2	1000	2	J-2	5-8	0.2			2130
ENSP-3	1500	3	J-3	9-12	0.2			2140
ENSP-4	2000	4	J-4	13-16	0.2			2140
ENSP-5	2500	5	J-5	17-20	0.2			2140
ENSP-6	3000	10	J-5	17-20	0.2			2158

MOVEMENT POINT RATIO TABLE

IMPULSE DRIVES

CLASS	Movement Point Ratios								
	1/2	1/1	2/1	3/1	4/1	5/1	6/1	7/1	8/1
1	ENSP-M 2.8	ENSP-M 1.4 ENSP-1 1.4	ENSP-M 0.7 ENSP-1 0.7						
2		ENSP-1 1.4	ENSP-1 0.7	ENSP-1 0.5					
3			ENSP-1 0.7	ENSP-1 0.5	ENSP-1 0.4				
4				ENSP-1 0.5	ENSP-1 0.4	ENSP-1 0.3			
5				ENSP-2 1	ENSP-2 0.7	ENSP-2 0.6			
6				ENSP-2 1	ENSP-2 0.7	ENSP-2 0.6			
7					ENSP-2 0.7	ENSP-2 0.6			
8					ENSP-2 0.7	ENSP-2 0.6			
9						ENSP-3 0.9			
10						ENSP-3 0.9			
11						ENSP-3 0.9	ENSP-3 0.7		
12						ENSP-3 0.9	ENSP-3 0.7		
13							ENSP-4 1	ENSP-4 0.8	
14							ENSP-4 1	ENSP-4 0.8	
15							ENSP-4 1	ENSP-4 0.8	
16								ENSP-4 0.8	
17								ENSP-5 1	
18								ENSP-6 2	
19								ENSP-5 1	
20								ENSP-6 2	
								ENSP-5 1	
								FNSP-6 2	

SHIELD GENERATORS

Shield Generator Type	Mass (MT)	Control Computer Type	DPC	Superstructure	Efficiency	Cost (MCr)	Year
EDS-M		200	J-1	0.2	1/3		2140
EDS-1		500	J-1	0.5	1/3		2105
EDS-2		1000	J-2	1.0	1/3		2130
EDS-3		1500	J-3	2.0	1/3		2140
EDS-4		2000	J-4	4.0	1/3		2140
EDS-5		2500	J-5	6.0	1/3		2140
EDS-6		3000	J-6	8.0	1/3		2158

SHIELD POINT RATIO TABLE

Shield Point Ratio

SHIP CLASS	EDS-M	EDS-1	EDS-2	EDS-3	EDS-4	EDS-5	EDS-6
1	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
2	2 5.8	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
3	1 2.9	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
4		3 8.7	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
5		2 5.8	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
6		1 2.9	3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
7			3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
8			3 8.7	3 8.7	3 8.7	3 8.7	3 8.7
9			2 5.8	3 8.7	3 8.7	3 8.7	3 8.7
10			1 2.9	3 8.7	3 8.7	3 8.7	3 8.7
11				3 8.7	3 8.7	3 8.7	3 8.7
12				3 8.7	3 8.7	3 8.7	3 8.7
13				2 5.8	3 8.7	3 8.7	3 8.7
14				1 2.9	3 8.7	3 8.7	3 8.7
15					3 8.7	3 8.7	3 8.7
16					3 8.7	3 8.7	3 8.7
17					2 5.8	3 8.7	3 8.7
18					1 2.9	3 8.7	3 8.7
19						2 5.8	3 8.7
20						1 2.9	3 8.7

ELECTRON LASER WEAPON TYPE

Beam Weapon Type	Mass (Mt)	Damage	+3	+2	+1	Maximum Range	Firing Chart	WDF	Superstructure (Single/Bank)		Availability	Cost (MCr)	Year
EEL-1	200	1	N/A	N/A	N/A	4	A	0.1	0.2	/			2105
EEL-2	400	2	N/A	N/A	N/A	4	A	0.2	0.4	/			2130
EEL-3	600	3	N/A	N/A	N/A	4	A	0.4	0.6	/			2151
EEL-4	550	1	N/A	N/A	N/A	6	D	0.2	0.6	/			2151
EEL-5	750	2	N/A	N/A	N/A	6	D	0.4	1.2	/			2158
EEL-6	915	2	N/A	N/A	N/A	8	F	0.5	1.4	/			2158

ELECTRON LASERS CANNOT BE FITTED AS A BANK

LASER CANNON WEAPON TYPE

Weapon Type	Mass (Mt)	Damage	+3	+2	+1	Maximum Range	Firing Chart	WDF	Superstructure (Single/Bank)		Availability	Cost (MCr)	Year
ELC-1	500	3	N/A	N/A	1-6	6	C	0.5	1	/			2151
ELC-2	700	4	N/A	N/A	N/A	10	B	0.8	1.5	/			2151

LASER CANNONS CANNOT BE FITTED AS A BANK

MISSILE WEAPON TYPE - TORPEDO

Missile Type	Mass (Mt)	Power to Arm	Damage	Range	Firing Chart	WDF	Superstructure	Availability	Cost (MCr)	Year
ET-1	120	1	2	4	A	0.2	0.3			2105
ET-2	180	2	2	6	D	0.4	0.6			2130
ET-3	200	2	4	4	A	0.5	0.8			2151
ET-4	240	2	4	6	D	0.8	1.0			2151

ALL ET WEAPONS HAVE A FIXED MAXIMUM ALLOCATION OF 5 SHOTS PER MOUNT. ET WEAPONS ARE VULNERABLE TO ECM AND ANTI MISSILE DEFENCES. ET WEAPONS CANNOT BE USED AT WARP.