Trafalgar Class

Heavy Cruiser, Great Britain

Superstructure		Mass	Power	Crew
Ship Class	Heavy Cruiser	20000	300	150

Engineering				
Powerplant	CA Power Plant (Next Gen)	35000	5200	150

Armor				
Bow	Heavy Cruiser 12	6000	0	0
P Bow	Heavy Cruiser 12	6000	0	0
S Bow	Heavy Cruiser 12	6000	0	0
P Quarter	Heavy Cruiser 12	6000	0	0
S Quarter	Heavy Cruiser 12	6000	0	0
Stern	Heavy Cruiser 12	6000	0	0

Shields / ECM				
Bow	Heavy Cruiser -4	40	250	20
P Bow	Heavy Cruiser -4	40	250	20
S Bow	Heavy Cruiser -4	40	250	20
P Quarter	Heavy Cruiser -4	40	250	20
S Quarter	Heavy Cruiser -4	40	250	20
Stern	Heavy Cruiser -5	50	312	20

Main Armanent

Arc	Type	Guns			
Bow	15 Teravolt EPC (6)	2	7000	62	10
Bow	15 Teravolt EPC (6)	2	7000	62	10
Stern	15 Teravolt EPC (6)	2	7000	62	10
Stern	15 Teravolt EPC (6)	2	7000	62	10
Bow	6 MgKv Laser Cannon	2	1900	48	6
Stern	6 MgKv Laser Cannon	2	1900	48	6
Bow	25mm Mass Driver Array	8	2400	40	8
P Bow	25mm Mass Driver Array	8	2400	40	8
S Bow	25mm Mass Driver Array	8	2400	40	8
P Quarter	25mm Mass Driver Array	8	2400	40	8
S Quarter	25mm Mass Driver Array	8	2400	40	8
Stern	25mm Mass Driver Array	8	2400	40	8
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0
N/A	N/A	0	0	0	0

Aerospace Craft					
F Hangar	N/A	0	0	0	0
P Hangar	Scouts	1	300	6	12
S Hangar	Scouts	1	300	6	12
A Hangar	N/A	0	0	0	0

Miscellaneous Small Craft					
F Hangar	Cutter	1	1200	10	15
P Hangar	N/A	0	0	0	0
S Hangar	N/A	0	0	0	0
A Hangar	Yacht	1	4000	12	30

Sensors / CIC				
	CA Fifth Gen Sensors (2510-2520) + 1 to hit	63	200	8

Cargo					
F Cargo	Enter Desired Tonnage of Cargo (50 ton blocks) >>>		150	3	1
A Cargo	Enter Desired Tonnage of Cargo (50 ton blocks) >>>		200	4	1
P Cargo	Enter Desired Tonnage of Cargo (50 ton blocks) >>>		200	4	1
S Cargo	Enter Desired Tonnage of Cargo (50 ton blocks) >>>		150	3	1
				0	0

Marines					
A Hangar	Infantry	54	54	8.1	54
P Hangar	AFVs	0	0	0	0
S Hangar	Support Vehicles	0	0	0	0
A Hangar	N/A	0	0	0	0

Darkstar Drive (Warship Class, Wave Magnitude)				
	Heavy Cruiser Tenth Wave	1000	1000	20

Accomodations					
	Passengers - Enter Desired Number >>>	20	40	10	2
	Crew Quarters (Add'l crew = 1/20)		1354	169	0

TOTAL MASS	SURPLUS POWER	CREW
146461	**1318.9**	**677**

Final Available Thrust: **5** 4.50256382

Scenario Value		
Base Class	CA Warship (+/- 20)	100
Engine Mod	CA Power Plant (Next Gen)	20
D'Star Mod	Heavy Cruiser Tenth Wave	0
Other Adv.		0
Other Flaw		0

Aerospace Group		
Fighters (x2)	0	0
Bombers (x2)	0	0
Scouts (x1)	2	2

Warship Value **122**

Overview

The *Trafalgar* class heavy cruiser represents a radical break from the typical design philopophy and operational doctrine of the Royal Navy. Originally the brainchild of Vice-Admiral Sir Damon Brentnall (battlecruiser squadron commander during the Psi Serpentis War of 2514-16), the *Trafalgar* design turns its back on the large-caliber rail gun, staple of British naval design for at least the last 70 years. Instead the *Trafalgar* looks to the relatively new electron particle cannon, perhaps influenced by designs like the American *Gettysburg* class, Japanese *Katana* class, and Russian *Kutusov* class.

In many ways, the *Trafalgar* is simplicity itself. Packing the newest Harland and Wolff "Quasar Delta" series reactors and engines (the same type mounted in the successful *Iron Duke* class), she's able to generate an enormous power-to-weight ratio for her size, allowing her to keep pace with most light cruiser classes in Known Space. She also carries the same advanced Hawkinge Electronics 01A fire control system, giving her weapons a deadly-accurate reach.

There, however, the similarities end. Whereas Royal Navy heavy cruisers like the *Iron Duke* or *Titan* classes are built for firepower, the *Trafalgar* is built for speed. She sacrifices a fair amount of shielding for this speed, and also carries no torpedoes of any kind. Her secondary battery is also something of a down-step, trading in the British Aerospace Systems 8 MgKv lasers of the *Iron Duke* for the older, smaller 6 MgKv emitters carried on the *Titan* class. She also carries smaller 25mm Hispano mass driver arrays, although many more of them.

Notably, the *Trafalgar* class also carries additional cargo and 54 Royal Marines, which, in addition to her carrying no torpedopes, makes her ideal for longer-ranged, extended war cruises deeper into Second Band conflict zones.

Still, the *Trafalgar* class packs an enormous punch. Thundering towards the enemy in a high-speed run, these cruisers are designed to unleash a withering EPC broadside, punching deeper through ruined armor and exposed hull compartments with her follow-up laser emitters.

Accordingly, *Trafalgar* captains are chosen for their aggression and expected to follow Nelson's mandate of seven hundred years ago; "*No captain can do very wrong if he places his ship alongside that of the enemy*." In the officers' mess on each *Trafalgar* there is a painting of Nelson, beneath which is the inscription;

"*Our country will, I believe, sooner forgive an officer for attacking an enemy than for letting it alone.*"

Of course, the *Trafalgar* class is still very new. Only a few of the ships have traded fire in anger, and there isn't nearly enough real-combat data to determine whether this design doctrine portends a new outlook for the Royal Navy into the 2520s, or an "evolutionary dead end."

Ships in Class

Registry	Name	Commissioned	Status
C 181	HMS *Trafalgar*	2499, New Londonium Shipyards, Saturn	On Duty
C 182	HMS *Temeraire*	2500, Scapa Flow Orbital, Earth	On Duty
C 183	HMS *Bellerophon*	2501, New Londonium Shipyards, Saturn	On Duty
C 184	HMS *Neptune*	2502, Hypsibius Installation, Omicron Eridani	On Duty
C 185	HMS *Orion*	2503, Scapa Flow Orbital, Earth	On Duty
C 186	HMS *Mars*	2504, Hypsibius Installation, Omicron Eridani	On Duty
C 187	HMS *Thunderer*	2504, New Londonium Shipyards, Saturn	On Duty
C 188	HMS *Ajax*	2505, Hypsibius Installation, Omicron Eridani	On Duty
C 189	HMS *Colossus*	2507, Scapa Flow Orbital, Earth	On Duty
C 190	HMS *Agamemnon*	???, Hypsibius Installation, Omicron Eridani	On Duty