Top Secret

Eyes of Naval Staff only

Intelligence Report on the Royal Navy

Summer 1940



Battleships

Queen Elizabeth Valiant	Warspite Malaya	Barham	<i>L</i>
Displacement: Dimensions: Propulsion: Complement: Armament: Armour:	knots 925-951 8 x 15 inch; 12 20 x 4.5 inch D Bar) 32 x 2 pdr	<pre>4.5 feet 8 boilers; 80,000 h; x 6 inch (Bar); 8 x P (QE; Val), 8 x 4 i: AA (All) 3-5 inch deck; 4-10</pre>	6 inch (War, Mal); nch AA (War; Mal;
Revenge	Royal Sovereign	Ramillies	Resolution
Displacement: Dimensions: Propulsion: Complement:	908-997	18 boilers; 40,000	-
Armament: Armour:			AA; 16 x 2 pdr AA 0 inch barbettes, 13
Nelson	Rodney		

Displacement: 33,313 tons Dimensions: 710 x 106 x 28 feet Propulsion: Steam turbines; 8 boilers; 45,000 hp; 2 shafts; 23 knots Complement: 1314 Armament: 9 x 16 inch; 12 x 6 inch DP; 6 x 4.7 inch AA; 8 x 2 pdr AA; 2 x 24.5 inch Torpedo Tubes Armour: 13-14 inch belt; 12-15 inch barbettes; 16 inch turrets; 14 inch CT

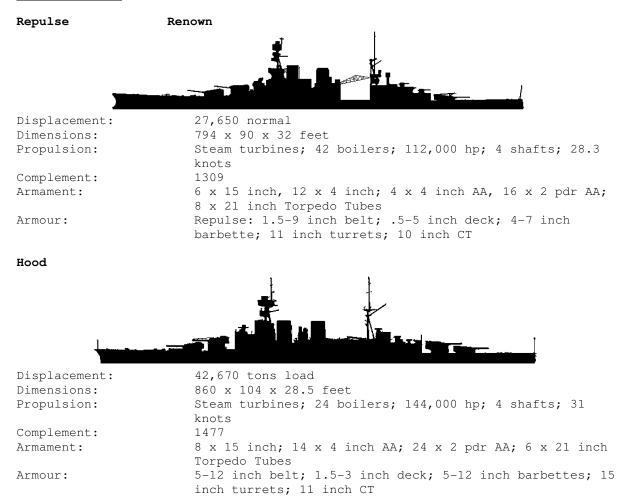
King George V Class (5 building)



Displacement: Dimensions: Propulsion:

Complement: Armament: Armour: 36,727 tons standard 745 x 103 x 29 feet Steam turbines; 8 boilers; 110,000 hp; 4 shafts; 28 knots 1422 2 x 4 & 1 x 2 14 inch, 16 x 5.25 inch DP, 32 x 2 pdr 4.5-15 inch belt; 11-13 inch barbettes; 13 inch turrets; 4.5 inch CT

Battlecruisers



Aircraft Carriers

Furious



Displacement: Dimensions: Propulsion:

Complement: Armament: Armour: 22,450 tons
786.5 x 90 x 24 feet
Steam turbines; 18 boilers; 90,000 hp; 4 shafts; 31
knots
748 (excluding aircrew)
12 x 4 inch AA, 24 x 2 pdr AA; 33 aircraft
2-3 inch belt, 1-3 inch deck

Argus



Displacement:
Dimensions:
Propulsion:
Complement:
Armament:

14,000 tons
565 x 68 x 21 feet
Steam turbines; 6 boilers; 20,000 hp; 4 shafts; 20 knots
373 (excluding aircrew)
6 x 4 inch AA; 20 aircraft

Eagle



Displacement: Dimensions: Propulsion:

Complement: Armament: Armour: 22,600 tons 667 x 106 x 24 feet Steam turbines; 32 boilers; 50,000 hp; 4 shafts; 24 knots 748 (excluding aircrew) 9 x 6 inch; 4 x 4 inch AA; 8 x 2 pdr AA; 21 aircraft 4-7 inch belt; 1-4 inch deck

Hermes



Displacement: Dimensions: Propulsion: Complement: Armament: Armour: 10,850 tons
598 x 71 x 19 feet
Steam turbines; 40,000 hp; 2 shafts; 25 knots
664 (excluding aircrew)
6 x 5.5 inch; 3 x 4 inch AA; 15 aircraft
2-3 inch belt; 1 inch deck

Ark Royal



Displacement: 22,000 tons Dimensions: 800 x 95 x 23 feet Propulsion: Steam turbines; 18 boilers; 102,000 hp; 3 shafts; 31 knots Complement: 1,575 (including aircrew) Armament: 16 x 4.5 inch AA, 48 x 2 pdr AA, 32 x MG; 72 aircraft Armour: 4.5 inch belt; 2-3 inch deck

Illustrious (+ 5 building)



Steam turbines; 6 boilers; 111,000 hp; 3 shafts; 30.5

16 x 4.5 inch AA, 48 x 2 pdr AA, 33 aircraft

753.25 x 95.75 x 28.6 feet

1,229 (including aircrew)

4.5 inch belt; 3 inch deck

Modification of Ark Royal design.

23,000 tons

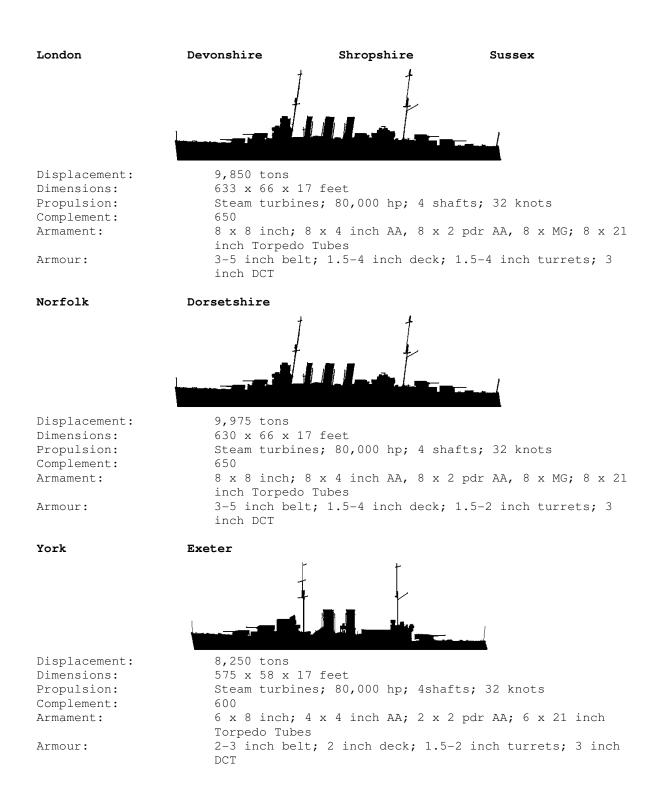
knots

Displacement: Dimensions: Propulsion:

Complement: Armament: Armour: Notes:

Heavy Cruisers

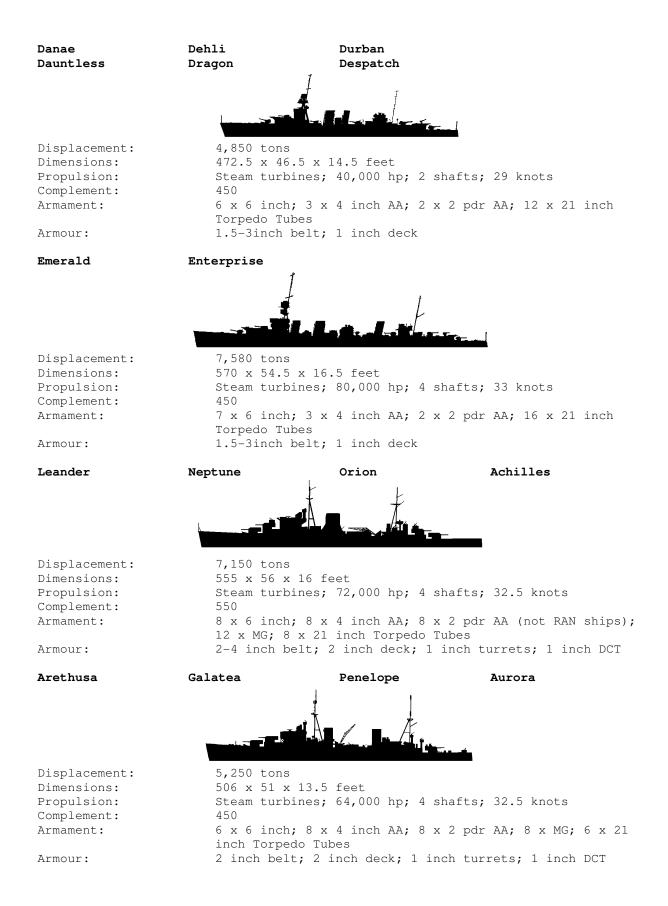
Kent Berwick	Cornwall Cumberland	Suffolk
Displacement:	9,750 tons	
Dimensions:	$630 \times 69 \times 16.5$	feet
Propulsion:		80,000 hp; 4 shafts; 32 knots
Complement:	679	
Armament:	8 x 8 inch; 8 x	4 inch AA, 8 x 2 pdr AA, 8 x MG; 8 x 21
	inch Torpedo Tuk	pes (Ken; Aus; Can)
Armour:	3-5 inch belt; 1 DCT	1.5 inch deck; 3-4 inch turrets; 3 inch

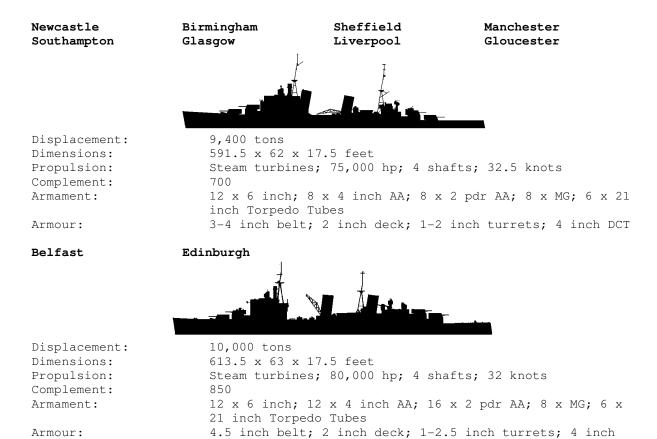


Light Cruisers

Caledon	Caradoc		
		I - the former	
Displacement: Dimensions: Propulsion: Complement: Armament:	400	eet 40,000 hp; 2 shaft 3 inch AA, 2 x 2 po	
Armour:	Torpedo Tubes 1.5-3 inch belt	; 1 inch deck; 6 in	ch DCT
Cardiff	Ceres	Coventry	Curacoa
Displacement: Dimensions:	4,190 tons 451.5 x 43.5 x		
Propulsion: Complement:	400	40,000 hp; 2 shaft	
Armament:	Torpedo Tubes	3 inch AA, 2 x 2 po	
Armour:		1 inch deck; 3 incl	h DCT
Cairo Calcutta	Capetown Carlisle	Colombo	
Displacement: Dimensions:	4,290 tons 451.5 x 43.5 x	15 feet	
Propulsion: Complement:	Steam turbines; 400	40,000 hp; 2 shaft	s; 29 knots
Armament:		3 inch AA, 2 x 2 p	dr AA; 8 x 21 inch
Armour:	-	1 inch deck; 3 incl	h DCT
Frobisher	Hawkins		
Displacement: Dimensions: Propulsion: Complement: Armament:	712	65,000 hp; 4shafts	; 30.5 knots pdr AA; 6 x 21 inch

7





Armour:

Dido Class (4+ building)

DCT

Displacement:	5,450 tons
Dimensions:	512 x 50.5 x 14 feet
Propulsion:	Steam turbines; 62,000 hp; 4 shafts; 33 knots
Complement:	530
Armament:	10 x 5.25 inch DP; 8 x 2 pdr AA; 8 x MG; 6 x 21 inch
	Torpedo Tubes
Armour:	2-3 inch belt; 1-2 inch deck; 1-2 inch turrets; 1 inch
	DCT

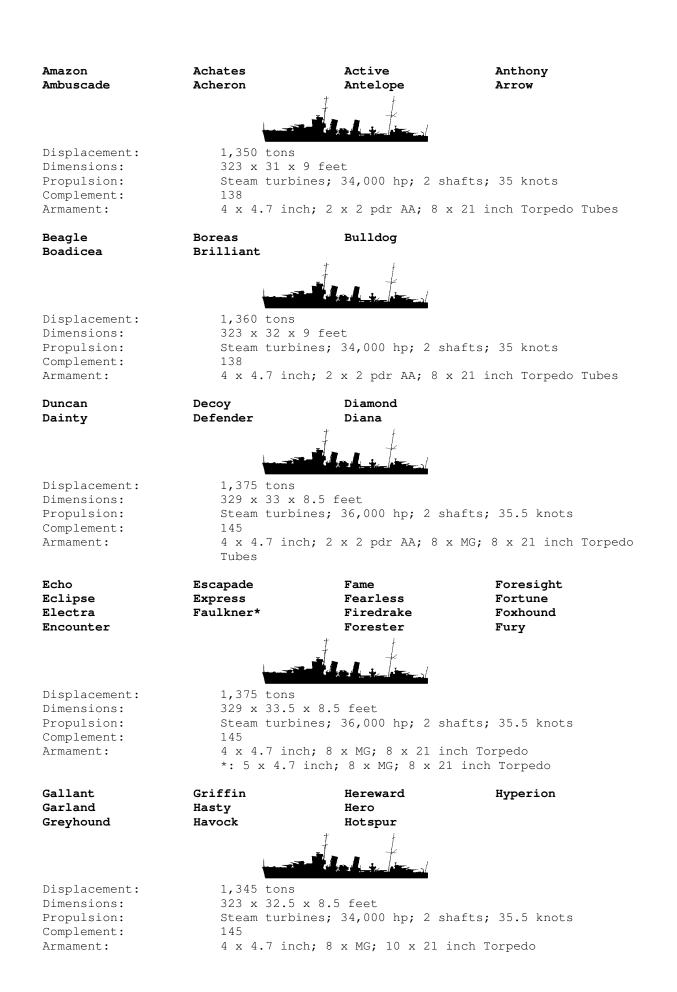
Fiji Class (4+ building)

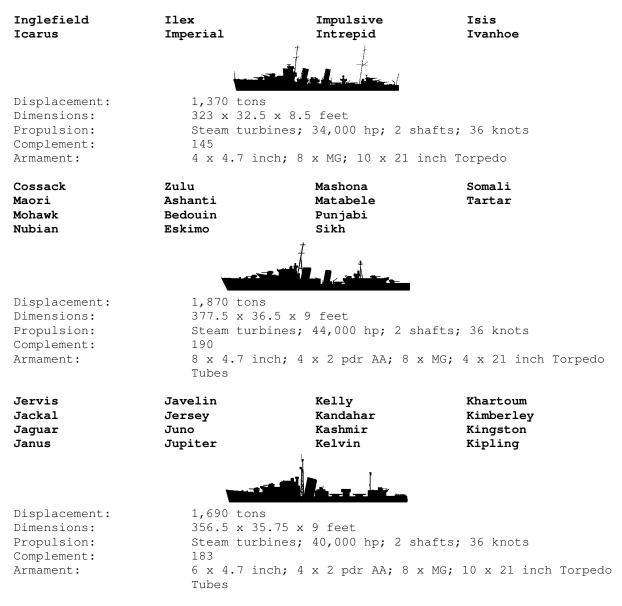


Displacement: 8,000 tons Dimensions: 555 x 62 x 16.5 feet Propulsion: Steam turbines; 72,500 hp; 4 shafts; 33 knots Complement: 730 Armament: 12 x 6 inch; 8 x 4 inch AA; 9 x 2 pdr AA; 8 x MG; 6 x 21 inch Torpedo Tubes Armour: 3.5 inch belt; 2 inch deck; 2 inch turrets; 4 inch DCT Notes: Development of the Southampton Class.

Destroyers





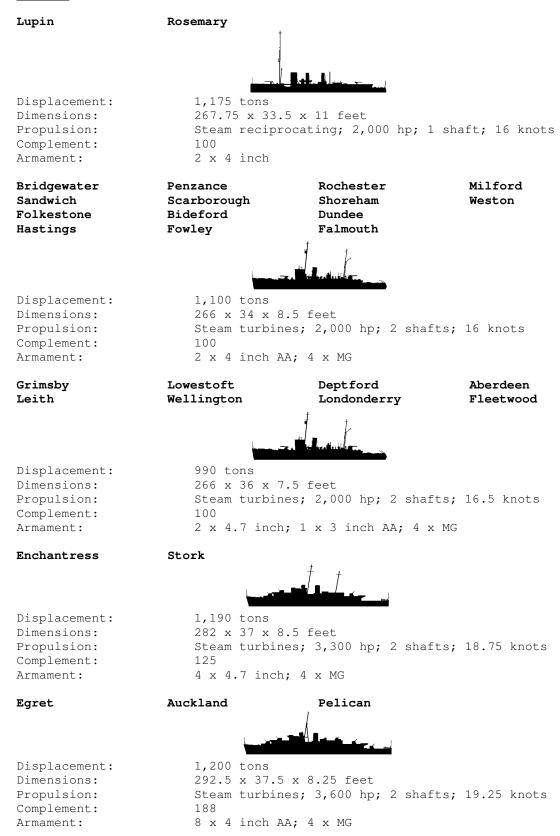


Torpedo Boats

Hunt Class (10+ building)

Displacement: Dimensions: Propulsion: Complement: Armament: 907 tons 280 x 29 x 7.75 feet Steam turbines; 19,000 hp; 2 shafts; 26 knots 146 4 x 4 inch AA; 4 x 2 pdr AA

Escorts



Black Swan (+ 3 building)



1,300 tons

Kittiwake

Sheldrake

Widgeon

Geranium

Displacement: Dimensions: Propulsion: Complement: Armament:

Kingfisher Mallard Puffin 299.5 x 37.5 x 8.5 feet Steam turbines; 3,600 hp; 2 shafts; 19.25 knots 180 6 x 4 inch AA; 4 x 2 pdr AA; 4 x MG

> Shearwater Guillemot Pintail

Displacement: Dimensions: Propulsion: Complement: Armament: 510 tons 243.75 x 26.5 x 6 feet Steam turbines; 3,600 hp; 2 shafts; 20 knots 60 1 x 4 inch; 4 x MG

Godetia (+ 20

building)

Gladiolus Gardenia

> 925 tons 205 x 33 x 11.5 feet Steam reciprocating; 2,750 hp; 1 shaft; 16 knots 85 1 x 4 inch; 1 x 2 pdr AA4 x MG

Minesweepers

Displacement:

Dimensions:

Propulsion:

Complement:

Armament:

Tedworth	Dundalk	Pangbourne	Stoke
Aberdare	Elgin	Fitzroy	Sutton
Abingdon	Fareham	Flinders	Kellett
Albury	Fermoy	Ross	Widnes
Alresford	Harrow	Saltash	
Bagshot	Huntley	Saltburn	
Derby	Lydd	Selkirk	
Displacement:	710 tons		

Displacement:The constructionDimensions:231 x 28.5 x 7.5 feetPropulsion:Steam reciprocating; 2,200 hp; 2 shafts; 16 knotsComplement:73Armament:1 x 4 inch; 1 x 3 inch AA

Harrier	Gleaner	Gossamer	Britomart
Hussar	Hazard	Jason	Scott
Speedwell	Hebe	Leda	Speedy
Niger	Sharpshooter	Seagull	
Salamander	Franklin	Bramble	

Displacement: Dimensions: Propulsion:

Complement:

Armament:

815-875 tons 245 x 33.5 x 6.75-8 feet Steam reciprocating or Steam turbines; 1,770-2,000 hp; 2 shafts; 16.5-17 knots 80 1 x 4 inch; 1 x 4 inch AA; 4 x MG

Bangor Class (2 + building)

	La set et e
Displacement:	590 tons
Dimensions:	162 x 28 x 8.25 feet
Propulsion:	Diesel; 2,000 hp; 2 shafts; 16 knots
Complement:	60
Armament:	1 x 3 inch AA; 4 x MG

Submarines

Н28	Н33	H44
H31	H34	H49
H32	H43	Н50

L26

54

Displacement:	410 tons
Dimensions:	171 x 16 x 12 feet
Propulsion:	Diesel/Electric; 480/320 hp; 2 shafts; 13/10.5 knots
Complement:	
Armament:	4 x 21 inch Torpedo Tubes
Notes:	Practically useless. Used for training

L27

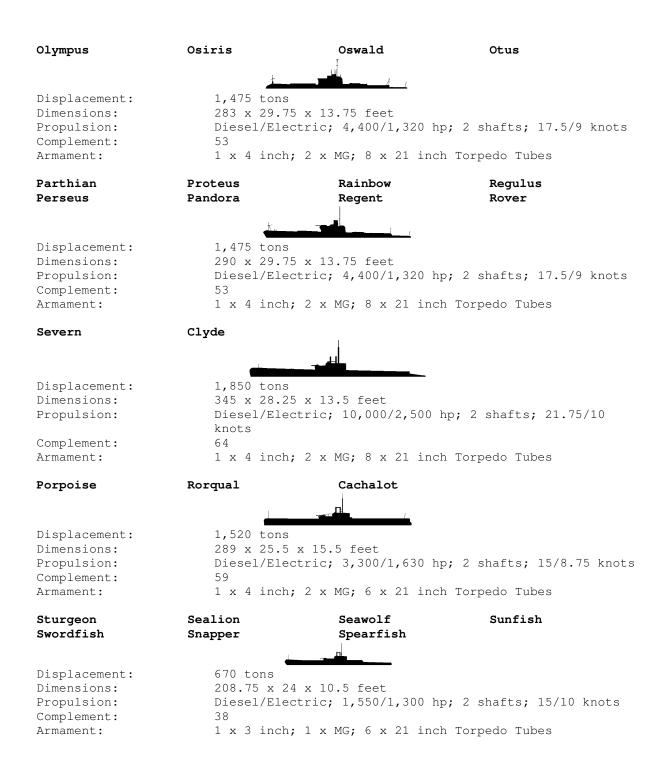
L23

Complement:

Armament:

Displacement:	760 tons
Dimensions:	238.5 x 23.5 x 14 feet
Propulsion:	Diesel/Electric; 2,400/1,620 hp; 2 shafts; 17.5/10.5
	knots
Complement:	
Armament:	1 x 4 inch; 4 x 21 inch Torpedo Tubes
Notes:	Practically useless. Used for training
Oberon	Otway
Displacement:	1,350 tons
Dimensions:	275 x 27.75 x 13.25 feet
Propulsion:	Diesel/Electric; 3,000/1,350 hp; 2 shafts; 15.5/9 knots

1 x 4 inch; 2 x MG; 8 x 21 inch Torpedo Tubes



Triton Thunderbolt Tribune Trident	Triumph Taku Tarpon Thistle	Tigris Triad Truant Tuna	Talisman Tetrach Torbay (+ 3 building)
	_		
Displacement: Dimensions: Propulsion: Complement: Armament:	59		shafts; 15.25/9 knots rpedo Tubes
Undine	Unity	Ursula	
	L		
Displacement: Dimensions: Propulsion: Complement: Armament:	27	.75 feet ; 615/825 hp; 2 shaf MG; 6 x 21 inch Tor	