

A and A Game Engineering Stations Manned and Ready

Game data file for Japan Pre-Dreadnought - Warships 1880-1905

This data file contains precalculated game data for ships of the above nation.

Each record shows the class name, in service date, and variant (where appropriate). This is followed by the vessel's base game data in the same layout as that used in the rules.

This is followed by the armament, again in the same layout, though the presentation is slightly different to that shown in previous versions. This section shows the type of gun by Calibre and barrel length, followed by an identifier which can be used to reference weapons in our construction data sheets, then the game data.

The final section shows, on the left, the ships in the class, which may also show a date from, or until which that ship's values are valid.

In the right hand section you will find details of all the other equipment carried and used in the game. Note that there may be asterisks or other marks which cross reference between the ships on the left and the special data on the right. Again, ship specific equipment and values are shown. Most special game data is headed with a bullet point.

You may find up to 2 variants in many ship classes, where the weapon fit changed. Variant data usually shows the battery # affected by the change. Always refer to any notes for the relevant variant. The changes can often be cumulative. The following possibilities can occur:

- Weapons have been removed: a cost reduction is applied to the original ship cost.
- Weapons have been added: this will result in a cost increase to be added to the original ship cost.
- Weapons have been modified, with a change in the overall number: There may be an increase or reduction to apply to the original ship cost.
- In some cases there are two successive modifications, and therefore only the later of the cost adjustments should be applied. Such a case would apply if a ship had torpedo tubes reduced in one modification and completely removed in the second.

Please bear in mind that all cost alteration figures are based on the original value for the ship.

Changes in short range weapons and factors may be referred to in the ship's notes. These could also show a cost modifier, especially if the QF or SRAA values are altered. If the DP AA values have changed on second world war vessels, the cost alteration is already included in the figure showing the cost modification.

In some cases you may have to both add and subtract cost adjustments as part of the same modification.

All information in this document is (c) A and A Game Engineering and is for use with our rule sets. It may not be used for any other purpose without our express agreement.

Summary

Data for the following ship classes is included in this document.

The date shown in the summary is the most recent revision date for the game data, taking account of corrections and amendments. The status of the data (new, altered or unchanged) is also shown.

B *Pre Dreadnought*

Asahi		13 October 2008	
Chin Yen		09 October 2008	
Fuji		13 October 2008	
		09 October 2008	
Fuso	1878, as built	07 January 2011	Altered Ship Data
	1894	07 January 2011	Altered Ship Data
Kashima		20 October 2008	
Mikasa		13 October 2008	
Shikishima		07 January 2011	Altered Ship Data

AC *Armoured Cruiser*

Adzuma		13 October 2008	
Asama		13 October 2008	
Chiyoda		10 October 2008	
Idzumo		13 October 2008	
Kasuga	1904, Kasuga	13 October 2008	
	1904, Nisshin	13 October 2008	
Yakumo		13 October 2008	

C *Unprotected Cruiser*

Chihaya		15 September 2010	Altered Ship Data
Chishima		12 October 2008	
Miyako		12 October 2008	
Takao		11 October 2008	
Tatsuta		15 September 2010	Altered Ship Data
Tsukushi		07 January 2011	Altered Ship Data
Yaeyama		12 October 2008	

CP *Protected Cruiser*

Akitsushima		10 October 2008	
Chitose		10 October 2008	
Idzumi	1884	10 October 2008	
	1901	10 October 2008	
Matsushima	Hashidate and Itsukushima	07 January 2011	Altered Ship Data
	Matsushima	07 January 2011	Altered Ship Data
Naniwa	1885	10 October 2008	
	1903	10 October 2008	
Otowa		10 October 2008	
Sai Yen		07 January 2011	Altered Ship Data
Suma		10 October 2008	
Takasago		10 October 2008	
Tsushima		10 October 2008	
Unebi		10 October 2008	
Yoshino		10 October 2008	

DD	Destroyer			
Akatsuki			13 October 2008	
Asakaze			23 October 2008	
Harusame			13 October 2008	
Ikazuchi			13 October 2008	
Murakumo			13 October 2008	
Shirakumo			13 October 2008	
COR	Corvette			
Kaimon			11 October 2008	
Katsuragi			11 October 2008	
Kongo			09 October 2008	
Tenryu			11 October 2008	
GB	Gunboat			
Maya	1887, Maya		12 October 2008	
	1888, Chokai, Atago		12 October 2008	
	1894, Akagi		12 October 2008	
CB	Coast Defence Ironclad			
Hei Yen			09 October 2008	
TB1	1st class Torpedo Boat			
Aotaka			24 October 2010	New Ship Data
Hayabusa			24 October 2010	New Ship Data
Kotaka			24 October 2010	New Ship Data
Shirataka			24 October 2010	New Ship Data
TB2	2nd class Torpedo Boat			
TBs 21 to 27	Group of 4 vessels		13 January 2011	Altered Ship Data
TBs 29 to 61	Group of 4 vessels		13 January 2011	Altered Ship Data
TBs 67 to 75	Group of 4 vessels		13 January 2011	Altered Ship Data
TB3	3rd class Torpedo Boat			
TBs 1 to 20	Group of 4 vessels		24 October 2010	New Ship Data

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

B ***Pre Dreadnought***

Asahi	1898	52	18	+ 0	4 RB	4	3	450
		27	6	7	4	10	10	0
1: 4x12" (L/40) — [09] — AT2: B.S		3	3	10	8	7	—	—
2: 14x6" (L/40) — [06] — C1: PB(x7).SB(x7)		3	2	5	3	—	—	—
Asahi		<i>QF: 6</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Chin Yen	1880	35	15	- 1	4 RB	3	2	189
		18	5	9	3	6	8	2
1: 4x12" (L/25) — [02] — AT2: BLP.BLS		1	2	7	5	—	—	—
2: 1x6" (L/40) — [04] — AT1: B		2	2	5	3	—	—	—
3: 3x6" (L/40) — [04] — S1: PB.SB.S		2	2	5	3	—	—	—
Chin Yen		<i>QF: 3</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						
		<i>This vessel was the Chinese Chen Yuan, captured in 1895, and re-armed in 1896.</i>						

Fuji	1894	51	18	+ 0	4 RB	4	3	378
		25	6	11	3	10	10	0
1: 4x12" (L/40) — [09] — AT2: B.S		3	3	10	8	7	—	—
2: 10x6" (L/40) — [04] — C1: PB(x5).SB(x5)		2	2	5	3	—	—	—
Yashima, Fuji		<i>QF: 5</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

B *Pre Dreadnought*

Fuji	1894	51	18	+ 0	4 RB	4	3	378
		25	6	11	3	10	10	0
1: 4x12" (L/40) — [09] — AT2: B.S		3	3	10	8	7	—	—
2: 10x6" (L/40) — [04] — C1: PB(x5).SB(x5)		2	2	5	3	—	—	—
Fuji, Yashima		<i>QF: 5</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Fuso	<i>Altered Ship Data</i>	1880	19	13	- 1	4 RB	2	2	141
<i>Data for: 1878, as built</i>			13	3	7	0	0	0	0
1: 4x9.4" (L/20) — [01] — C1: PB(x2).SB(x2)			1	2	5	3	—	—	—
2: 2x6.7" (L/25) — [01] — C1: PB.SB			1	1	4	—	—	—	—
Fuso			<i>QF: 2</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						

Fuso	<i>Altered Ship Data</i>	1880	19	13	- 1	4 RB	2	2	142
<i>Data for: 1894</i>			13	3	7	0	0	0	0
1: 4x6" (L/50) — [01] — S1: B.PB.SB.S			1	2	5	3	—	—	—
Fuso			<i>QF: 4</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

B Pre Dreadnought

Kashima	1904	54	19	+ 0	5 RB	5	3	540
		26	7	8	4	8	8	8
1: 4x12" (L/45) — [05] — AT2: B.S		3	5	11	9	7	6	4
2: 4x10" (L/45) — [03] — AT1: PB(x2).SB(x2)		5	3	9	7	5	—	—
3: 12x6" (L/45) — [03] — C1: PB(x6).SB(x6)		2	3	5	4	2	—	—
Kashima, Katori		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Mikasa	1899	54	18	+ 0	4 RB	5	3	456
		27	6	8	4	11	11	0
1: 4x12" (L/40) — [09] — AT2: B.S		3	3	10	8	7	—	—
2: 14x6" (L/40) — [06] — C1: PB(x7).SB(x7)		3	2	5	3	—	—	—
Mikasa		<i>QF: 6</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Shikishima	<i>Altered Ship Data</i> 1897	51	18	+ 0	4 RB	4	3	408
		27	6	7	4	10	10	0
1: 4x12" (L/40) — [09] — AT2: B.S		3	3	10	8	7	—	—
2: 14x6" (L/40) — [04] — C1: PB(x7).SB(x7)		2	2	5	3	—	—	—
Shikishima, Hatsuse		<i>QF: 6</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

AC Armoured Cruiser

Adzuma	1898	30	20	+ 0	4 RB	3	3	256
		17	7	6	3	10	6	0
1: 4x8" (L/40) — [04] — AT2: B.S		2	4	8	6	5	3	—
2: 12x6" (L/40) — [04] — C1: PB(x4).SB(x4); S1: PB(x2).SB(x2)		2	2	5	3	—	—	—
Adzuma		<i>QF: 5</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Asama	1896	32	22	+ 0	4 RB	3	3	310
		18	6	6	2	10	6	0
1: 4x8" (L/40) — [04] — AT2: B.S		2	4	8	6	5	3	—
2: 14x6" (L/40) — [04] — C1: PB(x5).SB(x5); S1: PB(x2).SB(x2)		2	2	5	3	—	—	—
Asama, Tokiwa		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Chiyoda	1888	8	19	- 2	3 RB	2	2	73
		6	5	5	2	0	0	0
1: 10x4.7" (L/40) — [01] — S1: B.PB(x4).SB(x4).S		1	2	3	2	—	—	—
Chiyoda		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Idzumo	1898	35	21	+ 0	4 RB	3	3	315
		19	6	7	3	11	6	0
1: 4x8" (L/40) — [04] — AT2: B.S		2	4	8	6	5	3	—
2: 14x6" (L/40) — [04] — C1: PB(x5).SB(x5); S1: PB(x2).SB(x2)		2	2	5	3	—	—	—
Idzumo, Iwate		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

Japan

AC **Armoured Cruiser**

Kasuga	1902	28	20	- 1	4 RB	3	2	340
<i>Data for: 1904, Kasuga</i>		16	5	6	2	6	6	0
1: 1x10" (L/40) — [04] — AT1: B		3	4	8	6	5	4	—
2: 2x8" (L/45) — [01] — AT2: S		4	4	7	5	4	2	—
3: 14x6" (L/45) — [03] — C1: PB(x5).SB(x5); S1: PB(x2).SB(x2)		2	3	5	4	2	—	—
Kasuga		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Kasuga	1902	28	20	- 1	4 RB	3	2	370
<i>Data for: 1904, Nisshin</i>		16	5	6	2	6	6	0
1: 4x8" (L/45) — [01] — AT2: B.S		4	4	7	5	4	2	—
2: 14x6" (L/45) — [03] — C1: PB(x5).SB(x5); S1: PB(x2).SB(x2)		2	3	5	4	2	—	—
Nisshin		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Yakumo	1898	31	21	+ 0	4 RB	3	3	285
		17	6	6	3	10	6	0
1: 4x8" (L/40) — [04] — AT2: B.S		2	4	8	6	5	3	—
2: 12x6" (L/40) — [04] — C1: PB(x4).SB(x4); S1: PB(x2).SB(x2)		2	2	5	3	—	—	—
Yakumo		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

C Unprotected Cruiser

Chihaya	<i>Altered Ship Data</i>	1898	3	21	-2	3 RB	1	1	40
			3	4	0	0	0	0	0
1: 2x4.7" (L/40) — [01] — S1: B.S			1	2	3	2	—	—	—
2: 3x18" Torpedo — [04] — TT1: BR.PB.SB			2	10 cm	-1*	—	—	—	—
Chihaya			<i>QF: 2</i>						

Chishima		1890	2	22	-3	2 RB	1	1	23
			2	4	0	0	0	0	0
1: —			-	-	-	-	-	-	-
Chishima			<i>QF: 3</i>						
			<i>Poor underwater protection</i>						

Miyako		1894	4	20	-2	3 RB	1	1	37
			4	5	0	0	0	0	0
1: 2x4.7" (L/40) — [01] — S1: B.S			1	2	3	2	—	—	—
Miyako			<i>QF: 3</i>						
			<i>Poor underwater protection</i>						

Takao		1886	5	15	-2	3 RB	1	1	41
			5	4	0	0	0	0	0
1: 4x5.9" (L/25) — [01] — S1: PB(x2).SB(x2)			1	1	3	—	—	—	—
2: 1x4.7" (L/25) — [01] — S1: S			1	1	2	—	—	—	—
Takao			<i>QF: 1</i>						
			<i>Poor underwater protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

C *Unprotected Cruiser*

Tatsuta	<i>Altered Ship Data</i>	1893	3	21	- 3	3 RB	1	1	38
			3	4	0	0	0	0	0
1: 2x4.7" (L/40) — [01] — S1: B.S			1	2	3	2	—	—	—
2: 5x18" Torpedo — [04] — TT2:PB.SB; TT1: BR			2	10 cm	-1*	—	—	—	—
Tatsuta			<i>QF: 3</i>						
			<i>Poor underwater protection</i>						

Tsukushi	<i>Altered Ship Data</i>	1880	5	17	- 2	3 RB	1	1	98
			5	3	0	0	0	0	0
1: 2x10" (L/26) — [01] — O1: B.S			4	2	6	5	—	—	—
2: 4x4.7" (L/22) — [01] — O1: PB(x2),SB(x2)			1	1	2	—	—	—	—
Tsukushi			<i>QF: 2</i>						
			<i>Poor underwater protection</i>						

Yaeyama		1887	4	21	- 2	3 RB	1	1	39
			4	5	0	0	0	0	0
1: 3x4.7" (L/35) — [01] — S1: PB.SB.S			1	2	3	2	—	—	—
Yaeyama			<i>QF: 3</i>						
			<i>Poor underwater protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

CP

Protected Cruiser

Akitsushima	1890	8	19	- 2	3 RB	2	2	95
		7	5	0	3	0	0	0
1: 4x6" (L/40) — [04] — S1: PB(x2).SB(x2)		2	2	5	3	—	—	—
2: 6x4.7" (L/40) — [01] — S1: B.PB(x2).SB(x2).S		1	2	3	2	—	—	—
Akitsushima		<i>QF: 3</i>						

Chitose	1897	11	23	- 1	4 RB	2	2	159
		9	6	0	5	5	0	0
1: 2x8" (L/45) — [01] — S1: B.S		4	4	7	5	4	2	—
2: 10x4.7" (L/40) — [01] — S1: PB(x5).SB(x5)		1	2	3	2	—	—	—
Chitose, Kasagi		<i>QF: 4</i>						

Idzumi	1881	8	18	- 2	3 RB	2	2	132
<i>Data for: 1884</i>		8	4	0	1	0	0	0
1: 2x10" (L/32) — [01] — S1: B.S		1	2	7	6	—	—	—
2: 6x6" (L/26) — [01] — S1: PB(x3).SB(x3)		3	2	4	3	—	—	—
Idzumi		<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 2

6x4.7" (L/40) — [01] — S1: PB(x3).SB(x3)		1	2	3	2	—	—	—
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Note for Variant 1: Ship was rearmed in 1899

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: - 34

Idzumi	1881	8	18	- 2	3 RB	2	2	110
<i>Data for: 1901</i>		8	4	0	1	0	0	0
1: 2x6" (L/40) — [06] — S1: B.S		3	2	5	3	—	—	—
2: 6x4.7" (L/40) — [01] — S1: PB(x3).SB(x3)		1	2	3	2	—	—	—
Idzumi		<i>QF: 3</i>						

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

Japan

CP

Protected Cruiser

Matsushima

Altered Ship Data

1888 13 17 -1 4 RB 2 2 116

Data for: Hashidate and Itsukushima

11 5 0 2 0 9 0

1: 1x12.6" (L/38) — [01] — AT1: B

1 2 10 8 — — —

2: 11x4.7" (L/40) — [01] — C1: PB(x5).SB(x5); S1: S

1 2 3 2 — — —

Hashidate, Itsukushima

QF: 4

Matsushima

Altered Ship Data

1888 13 17 -1 4 RB 2 2 118

Data for: Matsushima

11 5 0 2 0 9 0

1: 1x12.6" (L/38) — [01] — AT1: S

1 2 10 8 — — —

2: 12x4.7" (L/40) — [01] — C1: PB(x6).SB(x6)

1 2 3 2 — — —

Matsushima

QF: 5

Naniwa

1884 10 19 -1 4 RB 2 2 104

Data for: 1885

9 5 0 3 1 0 0

1: 2x10.2" (L/25) — [01] — O1: B.S

1 2 7 6 — — —

2: 6x5.9" (L/35) — [01] — S1: PB(x3).SB(x3)

2 1 4 — — —

Naniwa, Takachiho

QF: 1

Variant 1 replaces the above entry for Weapon Battery #: 2

6x6" (L/26) — [01] — S1: PB(x3).SB(x3)

3 2 4 3 — — —

Note for Variant 1: As rearmed in 1900

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 26

Naniwa

1884 10 19 -1 4 RB 2 2 148

Data for: 1903

9 5 0 3 1 0 0

1: 8x6" (L/40) — [06] — S1: B.PB(x3).SB(x3).S

3 2 5 3 — — —

Naniwa, Takachiho

QF: 1

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

CP

Protected Cruiser

Otowa	1903	8	21	- 2	3 RB	2	2	84
		7	5	0	4	5	0	0
1: 2x6" (L/50) — [01] — S1: B.S		1	2	5	3	—	—	—
2: 6x4.7" (L/40) — [01] — S1: PB(x3).SB(x3)		1	2	3	2	—	—	—
Otowa		<i>QF: 2</i>						

Sai Yen	<i>Altered Ship Data</i> 1883	8	17	- 2	3 RB	2	1	66
		6	4	0	4	1	9	0
1: 2x8.2" (L/22) — [01] — AT2: B		1	1	4	—	—	—	—
2: 1x5.9" (L/35) — [01] — UT1: S		2	1	4	—	—	—	—
Sai Yen		<i>QF: 3</i> <i>Poor underwater protection</i> <i>Chinese Chi Yuan, captured in 1895</i>						

Suma	1892	7	20	- 2	3 RB	1	2	91
		6	5	0	2	0	0	0
1: 2x6" (L/40) — [06] — S1: B.S		3	2	5	3	—	—	—
2: 6x4.7" (L/40) — [01] — S1: PB(x3).SB(x3)		1	2	3	2	—	—	—
Suma, Akashi		<i>QF: 4</i>						

Takasago	1896	9	24	- 1	4 RB	2	2	140
		8	5	0	5	0	0	0
1: 2x8" (L/40) — [04] — S1: B.S		2	4	8	6	5	3	—
2: 10x4.7" (L/40) — [01] — S1: PB(x5).SB(x5)		1	2	3	2	—	—	—
Takasago		<i>QF: 4</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

CP

Protected Cruiser

Tsushima

1901 8 20 -1 3 RB 2 2 122

7 5 0 3 5 0 0

1: 6x6" (L/40) — [06] — S1: B.PB(x2).SB(x2).S

3 2 5 3 — — —

Tsushima, Niitaka

QF: 4

Unebi

1884 8 18 -1 4 RB 2 2 98

8 5 0 3 0 0 0

1: 4x9.4" (L/30) — [01] — S1: PB(x2).SB(x2)

1 2 6 5 — — —

2: 7x5.9" (L/35) — [01] — S1: B.PB(x2).SB(x2).SLP.SLS

2 1 4 — — — —

Unebi

QF: 1

Yoshino

1892 9 23 -1 4 RB 2 2 125

8 5 0 5 0 0 0

1: 4x6" (L/40) — [04] — S1: B.PB.SB.S

2 2 5 3 — — —

2: 8x4.7" (L/40) — [01] — S1: PB(x4).SB(x4)

1 2 3 2 — — —

Yoshino

QF: 5

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

DD Destroyer

Akatsuki	1901	1	31	-3	2 RB	1	1	26
		1	3	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Akatsuki, Kasumi		<i>QF: 2</i>						

Asakaze	1905	1	29	-3	2 RB	1	1	20
		1	4	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Asakaze, Wakaba, Ushio, Nenohi, Kisaragi, Kamikaze, Hatsushimo, Yugure, Harukaze, Yayoi, Oite, Hibiki, Hatsuyuki, Yudachi, Nowaki, Mikazuki, Shigure, Hatsuharu, Asatsuyu, Shirotaye, Shiratsuyu, Shirayuki, Matsukaze, Nagatsuki, Yunagi, Uzuki, Minazuki, Hayate, Kikuzuki, Uranami, Isonami, Ayanami		<i>QF: 2</i>						

Harusame	1902	1	29	-3	2 RB	1	1	24
		1	3	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Arare, Ariake, Asagiri, Fubuki, Harusame, Hayatori, Murasame		<i>QF: 2</i>						

Ikazuchi	1899	1	31	-3	2 RB	1	1	26
		1	3	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Akebono, Ikazuchi, Inazuma, Niji, Oboro, Sazanami		<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

DD **Destroyer**

Murakumo	1898	1	30	- 3	2 RB	1	1	25
		1	3	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Kagero, Murakumo, Shinonome, Shiranui, Usugumo, Yugiri		<i>QF: 2</i>						

Shirakumo	1901	1	31	- 3	2 RB	1	1	26
		1	3	0	0	0	0	0
1: 2x18" Torpedo — [22] — TT1: CB(x2)		3	1	-1	—	—	—	—
Asashio, Shirakumo		<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

COR **Corvette**

Kaimon	1880	5	12	-2	3 RB	1	1	45
		5	3	0	0	0	0	0
1: 1x6.7" (L/25) — [01] — O1: B		1	1	4	—	—	—	—
2: 6x4.7" (L/25) — [01] — O1: PB(x3).SB(x3)		1	1	2	—	—	—	—
Kaimon		<i>QF: 1</i>						
		<i>Poor underwater protection</i>						

Katsuragi	1882	6	13	-2	3 RB	1	2	56
		6	3	0	0	0	0	0
1: 2x6.7" (L/25) — [01] — C1: PB.SB		1	1	4	—	—	—	—
2: 5x4.7" (L/25) — [01] — C1: PB(x2).SB(x2); O1: S		1	1	2	—	—	—	—
Katsuragi, Musashi, Yamato		<i>QF: 1</i>						
		<i>Poor underwater protection</i>						

Kongo	1880	10	14	-2	3 RB	2	2	97
		8	3	4	0	0	0	0
1: 3x6.7" (L/20) — [01] — C1: PB.CB.SB		1	1	3	—	—	—	—
2: 6x5.9" (L/25) — [01] — C1: PB(x3).SB(x3)		1	1	3	—	—	—	—
Kongo, Hiei		<i>QF: 2</i>						

Tenryu	1880	5	12	-2	3 RB	1	1	42
		5	3	0	0	0	0	0
1: 1x5.9" (L/25) — [01] — O1: B		1	1	3	—	—	—	—
2: 4x4.7" (L/25) — [01] — O1: PB(x2).SB(x2)		1	1	2	—	—	—	—
Tenryu		<i>QF: 1</i>						
		<i>Poor underwater protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

GB Gunboat

Maya	1885	3	12	- 3	2 RB	1	1	36
<i>Data for: 1887, Maya</i>		3	2	0	0	0	0	0
1: 2x5.9" (L/25) — [01] — S1: B.S		1	1	3	—	—	—	—
Maya		<i>QF: 1</i>						
		<i>Poor underwater protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

4x4.7" (L/40) — [01] — S1: B.PB.SB.S		1	2	3	2	—	—	—
<i>Note for Variant 1: As rearmed in 1906</i>								
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 6</i>								

Maya	1885	3	12	- 3	2 RB	1	1	37
<i>Data for: 1888, Chokai, Atago</i>		3	2	0	0	0	0	0
1: 1x8.2" (L/22) — [01] — S1: B		1	1	4	—	—	—	—
2: 1x4.7" (L/40) — [01] — S1: S		1	2	3	2	—	—	—
Chokai, Atago		<i>Poor underwater protection</i>						

Maya	1885	3	12	- 3	2 RB	1	1	43
<i>Data for: 1894, Akagi</i>		3	2	0	0	0	0	0
1: 4x4.7" (L/40) — [01] — S1: B.PB.SB.S		1	2	3	2	—	—	—
Akagi		<i>QF: 2</i>						
		<i>Poor underwater protection</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

CB

Coast Defence Ironclad

Hei Yen

1880

13 10 - 2 3 RB 2 2 83

8 3 6 2 5 5 0

1: 1x10.2" (L/25) — [01] — AT1: B

1 2 7 6 — — —

2: 2x6" (L/40) — [04] — C1: PB.SB

2 2 5 3 — — —

Hei Yen

QF: 3

*Poor underwater protection; Poor magazine protection
This vessel was the Chinese Ping Yuen, captured in 1895,
and re-armed in 1896.*

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

TB1 1st class Torpedo Boat

Aotaka	<i>New Ship Data</i>	1902	1	28	-4	1 RB	1	1	33
			1	2	0	0	0	0	0
1: 3x14" Torpedo — [11] — TT1: CB; TT2: S			2	1	-2	—	—	—	—
Aotaka, Kari, Hato, Hibari, Kiji, Tsubame, Hashitaka, Sagi, Kamome, Otori, Uzura			<i>QF: 2</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

3x18" Torpedo — [19] — TT1: CB; TT2: S			3	1	-2	—	—	—	—
--	--	--	---	---	----	---	---	---	---

Note for Variant 1: Improved torpedoes later

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

Hayabusa	<i>New Ship Data</i>	1899	1	29	-4	1 RB	1	1	34
			1	2	0	0	0	0	0
1: 3x14" Torpedo — [11] — TT1: CB; TT2: S			2	1	-2	—	—	—	—
Hayabusa, Kasasagi, Manazuru, Chidori			<i>QF: 2</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

3x18" Torpedo — [19] — TT1: CB; TT2: S			3	1	-2	—	—	—	—
--	--	--	---	---	----	---	---	---	---

Note for Variant 1: Torpedoes changed later

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

Kotaka	<i>New Ship Data</i>	1885	1	19	-4	1 RB	1	1	16
			1	3	0	0	0	0	0
1: 6x14" Torpedo — [07] — TT2:BR.CB(x2)			1	10 cm	-3*	—	—	—	—
Kotaka			<i>QF: 2</i>						

Shirataka	<i>New Ship Data</i>	1899	1	28	-4	1 RB	1	1	33
			1	2	0	0	0	0	0
1: —			2	1	-2	—	—	—	—
Shirataka			<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

Japan

TB2 2nd class Torpedo Boat

TBs 21 to 27	<i>Altered Ship Data</i>	1891	1	23	- 3	1 RB	1	1	36
<i>Data for: Group of 4 vessels</i>			1	2	0	0	0	0	0
1: 12x14" Torpedo — [11] — TT1: BR(x4).CB(x4).S(x4)			2	1	-2	—	—	—	—
7 similar ships			<i>QF: 3</i>						

TBs 29 to 61	<i>Altered Ship Data</i>	1893	2	24	- 3	1 RB	1	1	61
<i>Data for: Group of 4 vessels</i>			2	2	0	0	0	0	0
1: 12x14" Torpedo — [11] — TT1: BR(x4).CB(x4).S(x4)			2	1	-2	—	—	—	—
32 similar ships			<i>QF: 3</i>						

TBs 67 to 75	<i>Altered Ship Data</i>	1902	2	24	- 3	1 RB	1	1	61
<i>Data for: Group of 4 vessels</i>			2	2	0	0	0	0	0
1: 12x14" Torpedo — [11] — TT1: BR(x4).CB(x4).S(x4)			2	1	-2	—	—	—	—
9 similar vessels			<i>QF: 3</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

Japan

TB3 **3rd class Torpedo Boat**

TBs 1 to 20	<i>New Ship Data</i>	1880	1	20	- 4	1 RB	1	1	25
<i>Data for: Group of 4 vessels</i>			1	2	0	0	0	0	0
1: 8x14" Torpedo — [09] — TT1: BR(x4).CB(x4)			2	10 cm	-3*	—	—	—	—
20 similar vessels			<i>QF: 3</i>						