

JAPANESE
NAVAL VESSELS
of World War Two
as seen by U.S. Naval Intelligence

Introduction by A. D. Baker III

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Submarines; and *ONI 225J, Japanese Landing*
Operations and Equipment.

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INTRODUCTION

For their third reprint of a Second World War era U.S. Division of Naval Intelligence handbook, Arms & Armour Press and the Naval Institute Press have chosen the warship sections which dealt with the U.S. Navy's Pacific Ocean opponent, Japan. Four separate publications have been bound together: *ONI 41-421, Index to All Japanese Naval Vessels*; *ONI 41-42, Japanese Naval Vessels*; *ONI 220J, Japanese Submarines*; and *ONI 225J, Japanese Landing Operations and Equipment*.

The major portion of the reprint, *Japanese Naval Vessels*, first appeared as a loose-leaf compilation in November 1942. Major page changes were distributed in the spring and fall of 1943, but by early 1944, the tide of war was obviously flowing in the United States Navy's favor, and further changes were not issued. The copy from which this reprint was made was removed from the submarine U.S.S. *Pilotfish* (SS-386; six war patrols from May 1944; one 4,000-ton cargo ship sunk) in August 1946 when she was decommissioned for service as a target; the latest update bound with *ONI 41-42* was the *Index*, dated December 1944. *Pilotfish*'s intelligence officers had been diligent in making page-change updates, and those sheets dealing with ships sunk earlier in the war were duly

discarded. Ships lost very early in the conflict, such as the four carriers destroyed at Midway, were never the subject of ONI's attention for this publication. Conversely, a number of classes whose characteristics and appearances were only dimly known – like the battleships of the *Yamato* class, the *Unryu* class carriers, the command cruiser *Oyodo*, and the light cruisers of the *Agano* class – never received full-scale treatment, appearing only in the *ONI 41-421 Index*. Appended after the auxiliary pages on the Imperial Japanese Navy were short sections dealing with former Allied warships thought to be serving with the IJN (including the Vichy French light cruiser *Lamotte-Picquet*) and the naval forces of Japanese allies Siam and Manchukuo.

The principal function of *ONI 41-42* was to serve as an all-purpose recognition manual. Illustrations filled its pages. Air-brushed plan and elevation tone-drawings, multi-angle photography of carefully-constructed 1:600 scale waterline models and actual photography were used, along with small line-drawings to highlight armament locations and protection schemes and silhouettes to point out unique features differentiating one class from another. Technical information was brief and, more often than not, inaccurate – especially as to

ONI 41-42 I

INDEX TO ALL JAPANESE NAVAL VESSELS

ONI 41-42 Series—A condensed summary of the appearance and characteristics of Japanese Warships.

The complete 41-42 Series will include the following booklets:

- I** — Index to all Japanese Naval Vessels
- BC** — Japanese Battleships and Cruisers
- CV** — Japanese Aircraft Carriers
- D** — Japanese Destroyers
- MC** — Japanese Minor Combatant Craft
- A** — Japanese Fleet Auxiliaries and District Craft

NOTE—In view of the uncertainties as to positive identification of enemy losses, and to prevent possible omissions, this Index lists all known Japanese Naval Vessels—regardless of whether these have been reported as “sunk” or “probably sunk.” The only vessels not included are the acknowledged losses: BB FUSO Class, CV AKAGI, CV KAGA, CV SORYU, CV HIRYU, CVL CHITOSE Class, CA MIKUMA.

Prepared by the Division of Naval Intelligence.

wartime armament – but the propulsion section did provide endurance figures at various speeds. A separate column was provided for turns-per-knot data for the benefit of submariners, but scant data was actually available, most entries being entirely blank. A short section on general recognition techniques and memory aids, along with gun armament range tables, preceded the ship entries.

ONI 41-42, then, is of value today primarily for its extraordinary graphics, rather than for its data or thoroughness. Readers needing a more complete guide to the entire wartime Imperial Japanese Navy are directed to Hansgeorg Jentschura, Dieter Jung and Peter Mickel's *Warships of the Imperial Japanese Navy, 1869-1945* [Arms & Armour Press/Naval Institute Press, 1977], which remains the best one-volume treatment of the subject.

The two shorter ONI studies appended are undated, but appear to have been prepared in 1942-3, from the style of presentation. ONI 220J, *Japanese Submarines*, covers the same ground as the pages in ONI 41-42, but in far greater detail and with more extensive illustrations. ONI 225J, *Japanese Landing Operations and Equipment*, is a detailed study of the amphibious tactics, craft, and equipment used by Japanese forces in their rapid series of invasions of Pacific beachheads. The treatment is unique and authoritative.

This reprint is a potpourri – but a fascinating and ultimately valuable one. U.S. Navy scientific and technical intelligence lagged behind operational intelligence capabili-

ties during the Second World War. Signals analyses and code-breaking often gave great detail on Japanese force compositions, locations and plans, but ONI had little opportunity until after the war to discover the characteristics and capabilities of the majority of Japanese ships, weapons and sensors. Ultimately, because of the overwhelming naval power available to the Allies, it was unimportant whether *Yamato*, say, had 16in or 18.1in guns. In fact, the United States Navy knew far less about its principal maritime enemy than any reader today can learn about the supposedly secretive Soviet Navy in the pages of one of the open-source naval references like *Combat Fleets of the World*. Post-war investigations of Japanese ships and equipment revealed details undreamed of during the conflict, and the results were published in the multi-volume *Naval Technical Mission to Japan* series.

ONI 41-42, *Japanese Naval Vessels*, was, none the less, the best that could be accomplished during the rapid expansion of the U.S. Navy's intelligence arm under wartime conditions, and it remains one of the best collections of photographs and drawings of IJN ships available.

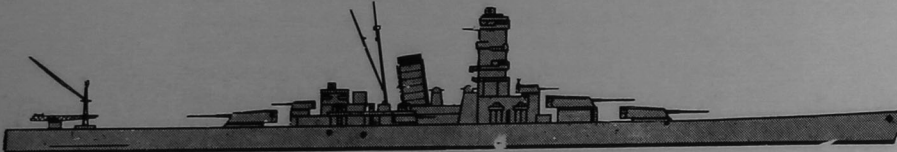
The publishers wish to thank Captain Howard Portnoy, USN [Ret'd], for locating the mint-condition copies of the ONI volumes from which this reprint was made.

A. D. Baker III, November 1986

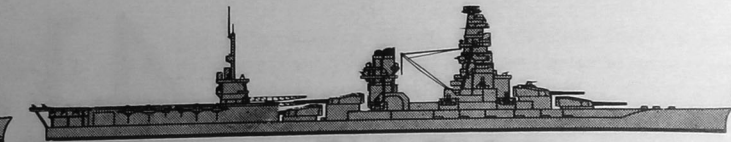
BATTLESHIPS



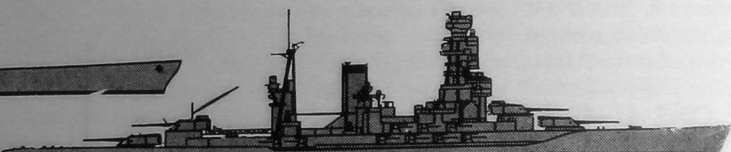
KONGO Class BB 1—Kongo BB 2—Hiyei BB 3—Kirishima BB 4—Haruna
 Completed: 1913-15 Speed: 26 knots
 Dimensions: 704' x 98' x 27'6" Displacement: 30,000 tons
 Armament: 8-14", 14-6", 8-5" DP, 8-3" DP, 3 VOS



YAMATO Class BB 11—Yamato BB 12—Musashi
 Completed: 1941-42
 Dimensions: 870' x 139'
 Armament: 9-16", 12-6".1, 12-5" DP
 Speed: 28 knots
 Displacement: 45,000 tons



ISE Class BB 7—Ise BB 8—Hyuga
 Completed: 1917-18 Converted: 1944
 Dimensions: 700' x 94' x 28'8" Displacement: 32,000 tons
 Armament: 8-14", 16-5" DP Speed: 23 knots
 Plane Capacity: 18-25 (reported)



NAGATO Class BB 9—Nagato BB 10—Mutsu
 Completed: 1920-21
 Dimensions: 700' x 95' x 30'
 Armament: 8-16", 18-5".5, 8-5" DP, 3 VOS
 Speed: 23 knots
 Displacement: 34,000 tons

Explanatory Notes

LISTS —Ships built to the same design are presented by classes; otherwise, by individual units.

DRAWINGS —Warship profiles have been shown in several scales in order to separate ships of primary recognition value from those of lesser importance.

STATISTICS —The statistical data are to be interpreted as follows:
 Dimensions: Length (oa) x Beam (extreme) x Draft (mean).
 Displacement: 1142/1470 tons indicates surface/submerged displacement for submarines.

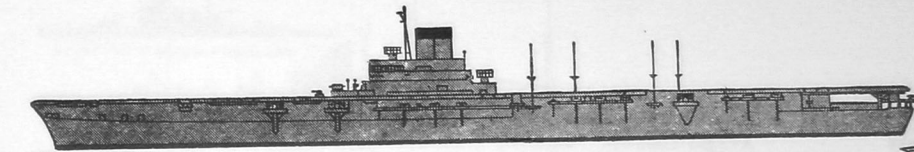
CLASSIFICATION

—The RESTRICTED classification of this booklet necessarily prevents the inclusion of a few vessels and certain data still classified CONFIDENTIAL.

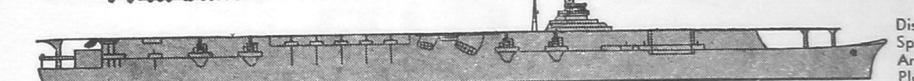
FP—Float Plane.
 Displacement: Standard. Speed: Designed.
 Armament: Heavy caliber pieces only are listed.
 Only confirmed revisions have been included.

ONI 41-42 Index •

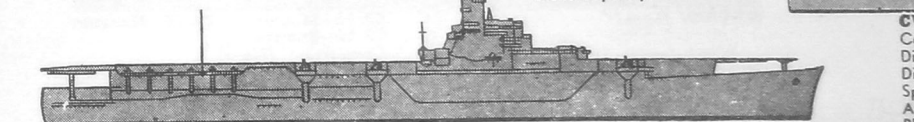
AIRCRAFT CARRIERS



CV 10—Taiho
 Completed: 1943
 Dimensions: 860' x 100' (FD)
 Displacement: 35,000 tons (?)
 Armament: 12-5" DP
 Plane Capacity: 80 plus



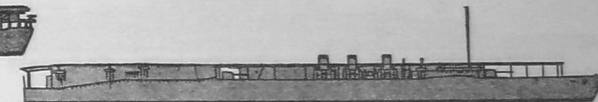
SHOKAKU Class CV 6—Shokaku CV 7—Zuikaku
 Completed: 1940-41
 Dimensions: 826' x 93' (H), 100' (FD) x 21'
 Displacement: 29,800 tons
 Speed: 34 knots (max)
 Armament: 16-5" DP
 Plane Capacity: 72 or 80



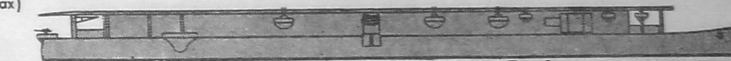
HAYATAKA Class CV 8—Hayataka CV 9—Hitaka
 Completed: 1942
 Dimensions: 745' x 88' (H), 93' (FD)
 Displacement: 28,000 tons
 Speed: 28 knots
 Armament: 16-5" DP
 Plane Capacity: 60 as CV, 95 as APV



OTAKA Class CVE 1—Otaka CVE 2—Unyo CVE 3—Chuyo
 Converted: 1941
 Dimensions: 590' x 82' (FD) x 29'
 Displacement: 20,000 tons
 Speed: 21 knots
 Armament: 6-5" DP
 Plane Capacity: 48 as CVE, 60 as APV
 CVE 5—Jinyo (No data)



CVL 1—Hosho
 Completed: 1922, Modernized: 1940
 Dimensions: 552' x 62' (H), 74' (FD) x 15' (max)
 Displacement: 7,470 tons
 Speed: 25 knots
 Armament: 4-5".5, 2-3" DP
 Plane Capacity: 36



ZUIHO Class CVL 2—Zuiho CVL 3—Shoho CVL 4—Ryoho
 Converted: 1941-43
 Dimensions: 668' x 80' (FD)
 Displacement: 15,000 tons
 Speed: 25 knots
 Armament: 12-5" DP
 Plane Capacity: 36 as CVL, 57 as APV

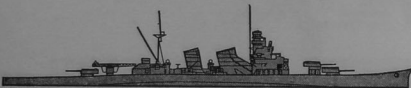


KAIYO Class CVE 4—Kaiyo
 Converted: 1943
 Dimensions: 548' x 80' (FD) x 29'
 Displacement: 17,000 tons
 Speed: 22 knots
 Armament: 8-5" DP, Plane Capacity: 40 as CVE

HEAVY CRUISERS



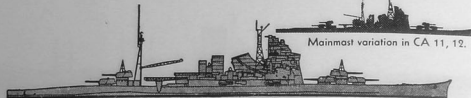
FURUTAKA Class
CA 1—Furutaka CA 2—Kako
 Completed: 1926
 Dimensions: 595' x 50'9" x 16'
 Displacement: 9,000 tons
 Speed: 33 knots
 Armament: 6-8", 4-4".7 DP, 8-24" TT
 2-VOS



Aoba Class
CA 3—Aoba CA 4—Kinugasa
 Completed: 1927
 Dimensions: 598' x 50'9" x 16'
 Displacement: 9,000 tons
 Speed: 33 knots
 Armament: 6-8", 4-4".7 DP, 8-24" TT
 2-VOS



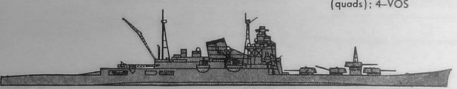
NACHI Class
CA 5—Nachi CA 7—Myoko
CA 6—Haguro CA 8—Ashigara
 Completed: 1928-29
 Dimensions: 656' x 62'4" x 18'
 Displacement: 11,500 tons Speed: 33 knots
 Armament: 10-8", 8-4".7 DP, 16-24" TT : 4-VOS



ATAGO Class
CA 9—Atago CA 10—Takao
CA 11—Chokai CA 12—Maya
 Completed: 1932
 Dimensions: 657' x 64' x 18'
 Displacement: 12,500 tons
 Speed: 33 knots
 Armament: 10-8", 4-4".7 DP, 16-24" TT
 (quads); 4-VOS



MOGAMI Class
CA 13—Mogami CA 16—Kumano
CA 15—Suzuya
 Completed: 1935-37
 Dimensions: 660' x 65' x 19'
 Displacement: 14,000 tons
 Speed: 33 knots
 Armament: 10-8", 8-4".7 DP, 16-24" TT
 (quads); 4-VOS



TONE Class
CA 17—Tone CA 18—Chikuma
 Completed: 1938-39
 Dimensions: 658' x 65' x 18'
 Displacement: 14,500 tons
 Speed: 33 knots
 Armament: 8-8", 8-4".7 DP, 16-24" TT
 (quads); 6-VOS

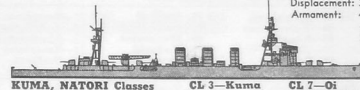
Mainmast variation in CA 11, 12.

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LIGHT CRUISERS



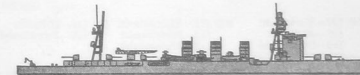
TENRYU Class
CL 1—Tenryu CL 2—Tatsuta
 Completed: 1919
 Dimensions: 468' x 40'9" x 13'
 Displacement: 3,230 tons
 Armament: 4-5".5, 1-3" DP,
 6-21" TT (triples)
 Speed: 31 knots



KUMA, NATORI Classes
CL 3—Kuma CL 7—Oi
4—Tama 8—Natori
5—Kitagami 9—Nagara
6—Kiso 10—Kinu
 Completed: 1920-25
 Dimensions: 535' x 47'3" x 15'11"
 Displacement: 5,170 tons
 Speed: 33 knots
 Armament: 7-5".5, 3-3" DP,
 8-24" TT (twins); 1-VOS



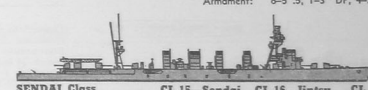
KUMA Class refit
 Beam: 57' with bulges
 Armament: 24-24" TT (quads) and
 4-21" TT (twins)



NATORI Class refit.
 Armament: 7-5".5, 3-3" DP, 8-21" TT
 (twins) and 8-24" TT
 (quads) 1-VOS



CL 14—Yubari Completed: 1923
 Dimensions: 463' x 39'6" x 11'8"
 Displacement: 2,890 tons Speed: 33 knots
 Armament: 6-5".5, 1-3" DP, 4-24" TT (twins)



SENDAI Class
CL 15—Sendai CL 16—Jintsu
CL 17—Naka
 Completed: 1924-25
 Dimensions: 535' x 47'3" x 15'11"
 Displacement: 5,195 tons
 Speed: 33 knots
 Armament: 7-5".5, 3-3" DP, 8-24" TT
 (quads); 1-VOS



AGANO Class
CL 21—Agano CL 23—Noshiro
CL 24—Yahagi



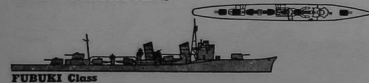
Completed: 1942-43
 Dimensions: 550' x 49'6" x 7'
 Displacement: 6,000 tons
 Speed: 30 knots
 Armament: 6-8".1, 2-3".9 DP, 4-24" TT
 (quads); 2-3 VOS



CL 22—Oyodo
 Armament: 6-8".1 (triples) 8-4", DP 4-VOS

DESTROYERS

FLEET DESTROYERS



FUBUKI Class



HATSUHARU-SHIGURE Class



ASASHIO-KAGERO Class



TAKANAMI Class



TERUTSUKI Class

HIBIKI group variation.



Completed: 1933
Dimensions: 379'6" x 33'10" x 9'9"
Displacement: 1,800 tons
Speed: 34 knots
Armament: 6-5", 9-24" TT (triples)

DD 37—Fubuki	DD 45—Amagiri	DD 53—Oboro
38—Shinonome	46—Shikinaami	54—Akebono
39—Shirayuki	47—Ayanami	55—Sazanami
40—Usugumo	48—Asagiri	56—Hibiki
41—Shirakumo	49—Uranami	57—Ikazuchi
42—Isunami	50—Yugiri	58—Inazuma
43—Hatsuyuki	51—Sagiri	59—Akatsuki
44—Murakumo	52—Ushio	

Completed: 1937
Dimensions: 344' x 32'7" x 8'9"
Displacement: 1,400 tons
Speed: 34 knots
Armament: 5-5", 8-24" TT (quads)

DD 60—Hatsuharu	DD 66—Shigure	DD 71—Samidare
61—Hatsushimo	67—Shiratsuyu	72—Yamakaze
62—Nenohi	68—Murasame	73—Suzukaze
63—Wakaba	69—Yudachi	74—Kawakaze
64—Ariake	70—Harusame	75—Umikaze
65—Yugure		

Completed: 1938
Dimensions: 361'6" x 33'4" x 9'
Displacement: 1,650 tons
Speed: 34 knots
Armament: 6-5", 8-24" TT (quads)

DD 76—Asashio	DD 87—Shiranuhi	DD 98—Arashi
77—Arashio	88—Kuroshio	99—Hagikaze
78—Oshio	89—Oyashio	100—Nowaki
79—Michishio	90—Hatsukaze	101—Hamakaze
80—Asagumo	91—Natsushio	102—Tanikaze
81—Yamagumo	92—Yukikaze	103—Maikaze
82—Minegumo	93—Hayashio	104—Yugumo
83—Natsugumo	94—Isokaze	105—Akigumo
84—Kasumi	95—Amatsukaze	106—Makigumo
85—Arare	96—Tokitsukaze	107—Kazegumo
86—Kagero	97—Urakaze	

Completed: 1944—
Dimensions: 382' x 34'
Displacement: 2,000 tons
Speed: 36.0 knots
Armament: 6-4", 7 DP,
8-24" TT (quads)

DD 116—Takanami	DD 121—Fujinami	DD 126—Okinami
117—Makinami	122—Kiyonami	127—Kishinami
118—Naganami	123—Tamanami	128—Shiranami
119—Susunami	124—Hayanami	
120—Onami	125—Hamanami	

Completed: 1941—
Dimensions: 435' x 38'
Displacement: 2,300 tons
Speed: 40 knots
Armament: 8-4", DP,
4-24" TT (quads)

DD 108—Terutsuki	DD 111—Shimotsuki	DD 114—Niitsuki
109—Akitsuki	112—Hatsutsuki	115—Fuyutsuki
110—Suzutsuki	113—Wakatsuki	

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ESCORT DESTROYERS



MINEKAZE Class



MINEKAZE refit



KAMIKAZE Class



MUTSUKI Class

SECOND LINE DESTROYERS



MOMO Class



KURI-WAKATAKE Class *A minelaying conversion is shown under minor combatant craft DM.

Completed: 1922
Dimensions: 336'6" x 29'3" x 9'6"
Displacement: 1,215 tons
Speed: 34 knots
Armament: 4-4", 7, 6-21" TT (twins)

DD 1—Minekaze
2—Okikaze
3—Shimakaze
4—Sawakaze
5—Hakaze

DD 6—Yakaze
7—Akikaze
8—Yukaze
9—Hokaze
10—Shiokaze

DD 11—Tachikaze
12—Nadakaze
13—Namikaze
14—Numakaze
15—Nokaze

Armament: 2-4", 7, 2-21" TT (twin)

Completed: 1925
Dimensions: 336'6" x 30' x 9'7"
Displacement: 1,270 tons
Speed: 34 knots
Armament: 4-4", 7, 6-21" TT (twins)

DD 16—Kamikaze
17—Asakaze
18—Harukaze

DD 19—Matsukaze
20—Asanagi
21—Hatakaze

DD 22—Oite
23—Hayate
24—Yanagi

Completed: 1927
Dimensions: 336'6" x 30' x 9'9"
Displacement: 1,315 tons
Speed: 34 knots
Armament: 4-4", 7, 6-24" TT (triples)

DD 25—Mutsuki
26—Satsuki
27—Kisaragi
28—Yayoi

DD 29—Uzuki
30—Fumitsuki
31—Kikatsuki
32—Minatsuki

DD 33—Nagatsuki
34—Mikatsuki
35—Mochitsuki
36—Yuzuki

Completed: 1919
Dimensions: 287' x 25'4" x 7'9"
Displacement: 755 tons
Speed: 31.5 knots
Armament: 3-4", 7, 6-21" TT (triples)

ODD 1—Momo

ODD 2—Hizaki

ODD 3—Yanagi

ODD 4—Nashi
5—Take
6—Kaya
7—Kuri
8—Nire
9—Aoi
10—Kiku
11—Kaki
12—Tsuga

ODD 13—Hagi
14—Suruki
15—Fuji
16—Ashi
17—Tsuta
18—Hana
19—Hishi
20—Tade
21—Tomogi

ODD 22—Sumire
23—Wakatake
24—Kuretake
25—Sasaye
26—Asagao
27—Fuyo
28—Karakaya
29—Yagao

Completed: 1923
Dimensions: 287' x 26'6" x 8'3"
Displacement: 820 tons
Speed: 31.5 knots
Armament: 3-4", 7, 4-21" TT (twins)

SUBMARINES

CRUISERS



I 1 Class I 1-4

Completed: 1926
Dimensions: 320' x 29'7" x 15'9"
Displacement: 1,955/2,480 tons
Speed: 18.8/8.1 knots
Armament: 1-5", 6-21" TT
1 FP or several LC carried

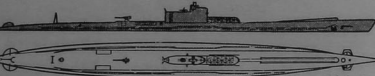


I 5 Class I 5-8

Completed: 1932-38
Dimensions: 320-359' x 30' x 14'5"
Displacement: 1,900-2,230/2,600 tons
Speed: 18-23/8-9 knots
Armament: 1-2 - 5".5, 6-21" TT
1 FP or several LC carried

I 9 Class I 9-14 Similar.

Completed: 1940-43
Dimensions: 373' x 31' x 14'5"
Displacement: 2,200-2,400/2,600 tons
Speed: 23/8 knots
Armament: 1-5".5, 6-8 - 21" TT
1 FP or LC carried



Variation, for supply duties.

I 15 Class I 15-49

Completed: 1940-
Dimensions: 357-359' x 30'6" x 16'
Displacement: 1,950-2,190/7 tons
Speed: 22/7 knots
Armament: 1-5".5, 6-8 - 21" TT
1 FP or LC carried

FLEET

I-351 Class, I-361 Class, I-400 Class, (No data)



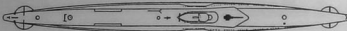
I 153 Class I 153-160

Completed: 1924-30
Dimensions: 331' x 26' x 16'1"
Displacement: 1,635/2,100 tons
Speed: 20/8 knots
Armament: 1-4".7, 8-21" TT



I 161 Class I 161-166

Completed: 1926-32
Dimensions: 321' x 26-27' x 16'
Displacement: 1,635/2,100 tons
Speed: 20/8.5 knots
Armament: 1-4".7, 6-21" TT



I 168 Class I 168-175

Completed: 1933-38
Dimensions: 343' x 26'11" x 13'
Displacement: 1,400/2,100 tons
Speed: 23.9/8.8 knots
Armament: 1-4".7, 6-21" TT

I 176 Class I 176- Similar.

Completed: 1941-43
Dimensions: 335' x 27' x 13'
Displacement: 1,609/7 tons
Speed: 23.5/8 knots
Armament: 1-5".5, 6-21" TT
1 FP or LC carried

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COASTAL SUBMARINES



RO 57 Class RO 57-59

Completed: 1923
Dimensions: 238' x 23'7" x 13'
Displacement: 889/1082 tons
Speed: 17/9 knots
Armament: 1-3" DP, 4-21" TT



RO 60 Class RO 60-68

Completed: 1927
Dimensions: 250' x 24'3" x 12'4"
Displacement: 988/1,300 tons
Speed: 15.1/7.8 knots
Armament: 1-3" DP, 6-21" TT



RO 33 Class RO 33-34

Completed: 1937
Dimensions: 248' x 22' x 10'9"
Displacement: 700/7 tons
Speed: 18.8/8.3 knots
Armament: 1-3" DP, 4-21" TT
mines carried (?)

RO 35 Class RO 35-

Completed: 1943
Dimensions: 255' x 24' x 12-13'
Displacement: 950/7 tons
Speed: 20/8 knots
Armament: 1-25 mm or 40 mm twin, or 3" DP, 4-21" TT

SUBMARINES

RO 500 Class (No data)



RO 100 Class RO 100-
Completed: 1944
Dimensions: 180' x 20' x ?
Displacement: 500/7 tons

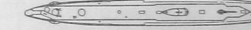
Speed: 14.2/8 knots
Armament: 1-25 mm twin, 4-21" TT
mines carried (?)

MINELAYING SUBMARINES



RO 29 Class RO 29-32

Completed: 1927
Dimensions: 243'7" x 20'9" x 12'3"
Displacement: 655-746/1,000 tons
Speed: 12.5/7.3 knots
Armament: 1-4".7, 4-21" TT
42 mines carried



I 121 Class I 121-124

Completed: 1928
Dimensions: 279'6" x 24'6" x 14'11"
Displacement: 1,142/1,470 tons
Speed: 14/6.5 knots
Armament: 1-5".5, 4-21" TT
42 mines carried

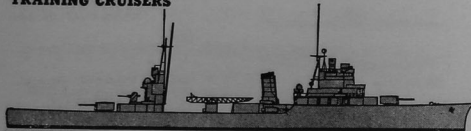
TRANSPORT SUBMARINES

I 52,54 Classes I 52-58

Completed: 1943
Dimensions: 360' x 29'10" x 14'5"
Displacement: 2,800/7 tons
Speed: 16/7.5 knots
Armament: 1-5".5, 2-21" TT

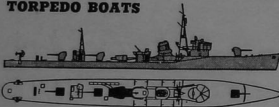
MINOR COMBATANT CRAFT

TRAINING CRUISERS



KATORI Class
CL(T) 1—Katori
 Completed: 1940-41
 Dimensions: 452' x 49'3" x 19'8" (max.)
 Armament: 4-5"5, 2-5" DP, 4-21" TT (twins) 1-VOS
 Speed: 18 knots
 Displacement: 6,000 tons

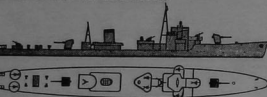
TORPEDO BOATS



TB 1—Chidori
 2—Manazuru
 3—Tomozuru
 4—Hatsukari
 5—Otori
 6—Hayabusa
 Completed: 1934-37
 Dimensions: 268'6" x 24'2" x 6' (CH)
 263' (WL) x 25'10" x 6'9" (OT)
 Armament: 3-4"7, 2-3-21" TT
 Speed: 26(CH)-28(OT) knots
 Displacement: 527(CH)-595(OT) tons

CHIDORI-OTORI Class

DESTROYER ESCORTS



Completed: 1941
 Dimensions: 260' x 27'
 Armament: 2-4.7
 Speed: 16 knots
 Displacement: 600 tons

DE-UN-1 Names and Numbers unknown.

*Next to profile indicates reduced scale.

FRIGATES



SHIMUSHU Class
 Dimensions: 255' x 30'
 Completed: 1939



MIKURA Class
 Completed: 1944
 Dimensions: 275' x 35'
 Armament: 4-4"7
 Speed: 16 knots
 Displacement: 1,500 tons

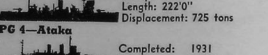


PF-UN-1 Names and Numbers unknown.

GUNBOATS



PG 3—Asuga
 Compl: 1915
 Length: 215'6"
 Displ: 860 tons



PG 4—Ataka
 Compl: 1922
 Length: 222'0"
 Displacement: 725 tons



PG 5—Hitonose
 Completed: 1931
 Length: 210'0"
 Displacement: 464 tons

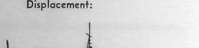
PF 1—Shimushu **PF 9—Mutsure**
 2—Kanajiri 10—Wakamiya
 3—Hachijo 11—Fukue
 4—Ishigaki 12—Manju
 5—Etorofu 13—Kanju
 6—Matsura 14—Tsushima
 7—Sado 15—Iki
 8—Oki 16—Hirado

Armament: 3-4"7 Speed: 16 knots
 Displacement: 1,000 tons

PF 17—Mikura **PF 21—Chiburi**
 18—Miyake 22—Awaji
 19—Amakusa 23—Kasado
 20—Kurahashi 24—Kusakaki

Completed: 1944
 Dimensions: 275' x 35'
 Armament: 4-4"7
 Speed: 16 knots
 Displacement: 1,500 tons

Completed: 1932
 Dimensions: 265' x 33'
 Armament: 1-4"7 DP, 1-3" AA,
 14 DC throwers
 Speed: 16 knots
 Displacement: 1,000 tons



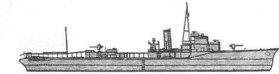
HASHIDATE Class
 PG 6—Hashidate
 PG 7—Uji

Completed: 1941
 Dimensions: 264' x 35' x 8'6"
 Armament: 3-4"7 DP
 Speed: 16 knots
 Displacement: 1,200 tons

ONI 41-42 Index

MINELAYERS

CM 1—Tokaiwa (Appearance as in ASAMA—OCA 1, without aft turret)



CM 3—Shirataka



CM 4—Itsukushima



CM 5—Yaeyama



CM 6—Okinoshima Completed: 1935
 Dimensions: 405' x 51'6" x 16'8"



HATSUTAKA Class
 CM 7—Hatsutaka
 CM 8—Aotaka
 CM 9—Wakataka

Completed: 1942
 Dimensions: 307' x 39'
 Displacement: 1,500 tons
 Armament: 2-AAMG mounts;

Completed: 1899
 Length: 442'
 Displacement: 9,240 tons
 Armament: 2-8", 8-6", 2-3", 1-3" DP

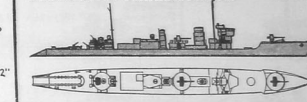
Completed: 1929
 Dimensions: 259'10" (WL) x 37'9" x 9'2"
 Displacement: 1,345 tons
 Speed: 16 knots
 Armament: 3-4"7 DP

Completed: 1929
 Dimensions: 339' x 42' x 10'1"
 Displacement: 1,970 tons
 Speed: 16 knots
 Armament: 3-5"5, 2-3" DP; 250 large or 500 small mines carried

Completed: 1932
 Dimensions: 280'6" (WL) x 34'8" x 8'1"
 Displacement: 1,135 tons
 Speed: 20 knots
 Armament: 2-4"7 DP

MINOR COMBATANT CRAFT

DESTROYER MINELAYERS



DM-WAKATAKE conversion



XCM 2—Choan Maru

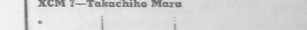
XCM 3—Nichiya Maru Completed: 1938
 Length: 461'



XCM 4—Kinjo Maru Completed: 1919
 Length: 227'3" (WL)
 Tonnage: 1,410 (gross)



XCM 5—Koei Maru Completed: 1934
 Length: 454'
 Tonnage: 6,774 (gross)



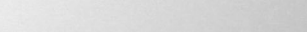
XCM 6—Minsei Maru (No data)



XCM 7—Takachiho Maru Completed: 1934
 Length: 473'0"
 Tonnage: 8,154 (gross)



XCM 8—Shinko Maru Completed: 1938
 Length: 205'8" (WL)
 Tonnage: 934 (gross)



XCM 9—Tatsuharu Maru Completed: 1939
 Length: 411' (WL)
 Tonnage: 6,334 (gross)



XCM 10—Tatsumiya Maru Completed: 1939
 Length: 411' (WL)
 Tonnage: 6,334 (gross)

Dimensions: 292' x 26'6" x 8'3"
 Displacement: 820 tons (as DD)
 Armament: 2-4"7; mine capacity unknown

Completed: 1927
 Length: 284'10" (WL)
 Tonnage: 2,632 (gross)

Completed: 1919
 Length: 227'3" (WL)
 Tonnage: 1,410 (gross)

Completed: 1934
 Length: 454'
 Tonnage: 6,774 (gross)

Completed: 1934
 Length: 473'0"
 Tonnage: 8,154 (gross)

Completed: 1938
 Length: 205'8" (WL)
 Tonnage: 934 (gross)

Completed: 1939
 Length: 411' (WL)
 Tonnage: 6,334 (gross)

MINOR COMBATANT CRAFT

MINESWEEPERS



No. 1 Class, AM No. 1-6

Completed: 1929
Dimensions: 235'0" (PP) x 26'4" x 7'6"
Displacement: 615 tons
Speed: 20 knots
Armament: 2-4", 7, 1-3" DP; mines carried



No. 13 Class AM No. 13-18

Completed: 1936
Dimensions: 236'9" x 25'2" x 6'1"
Displacement: 492 tons
Speed: 20 knots
Armament: 2-4", 7; mines carried



No. 7 Class AM No. 7-12

Completed: 1939
Dimensions: 235' x 25'10" x 7'8" (max.)
Displacement: 630 tons
Speed: 20 knots
Armament: 3-4".7

No. 19 Class AM No. 19-37 Completed: 1940
Displacement: 492 tons Armament: 2-4".7

No. 101 Class, AM No. 101-102
(No data)

MOTOR TORPEDO BOATS

PT 1 Class PT 1-6

Dimensions: 61'0" x 14'0" x 2'2" (max.)
Displacement: 20 tons
Speed: 38 knots (max.)
Armament: 2-7.7 mm AA, 2-18" T. T.

PT 10 Class

Dimensions: 60'0" x 16'6" x 2'6" (max.)
Displacement: 80 tons
Speed: 29 knots (max.)
Armament: 3-13 mm AA, 2-18" T. T.

PT 101 Class (15 units)

Dimensions: 61'0" x 12'9" x 4'0"
Displacement: 20 tons
Speed: 38 knots (max.)
Armament: 2-13 mm AA, 1-7.7 mm AA, 2-18" T. T.

PT 201 Class (units unknown)

Dimensions: 59'0" x 14'0"
Displacement: 20 tons
Speed: 24 knots (max.)
Armament: 1-13 mm AA, 2-18" T. T.

*Next to profile indicates reduced scale.

SUBMARINE CHASERS—LARGE



PC 1 Class PC 1-3

Completed: 1934
Dimensions: 213' x 19' x 4'11"
Displacement: 300 tons (max.)
Speed: 24 knots



PC 4 Class PC 4-12

Completed: 1939
Dimensions: 178' x 18'2" x 6'6"
Displacement: 270 tons (max.)
Speed: 20 knots



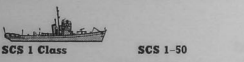
PC 13 Class PC 13-49

Completed: 1943
Dimensions: 200' x 24'
Displacement: 300 tons
Speed: 20 knots (max.)
Armament: 1-3" DP

PC 50 Class PC 50-60

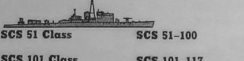
Completed: 1944 (No data)

SUBMARINE CHASERS—SMALL



SCS 1 Class SCS 1-50

Completed: 1943
Dimensions: 97' x 19' x 6'6"
Displacement: 100 tons
Speed: 10 knots (max.)
Armament: 2-25 mm AA



SCS 51 Class SCS 51-100

Completed: 1944
Dimensions: 146' x 15'3" x 5'6" (max.)
Displacement: 170 tons
Speed: 20 knots (full)

SCS 101 Class SCS 101-117

Completed: 1943 (No data)

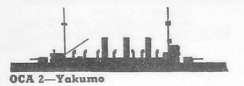
SCS 151 Class SCS 151-165

Completed: (No data)



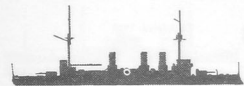
OCA 1—Asama

Completed: 1899
Length: 442'
Displacement: 9,240 tons
Armament: 4-8", 12-6", 4-3" 1-3" DP
4-18" TT



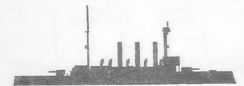
OCA 2—Yakumo

Completed: 1900
Length: 434'
Displacement: 9,010 tons
Armament: 4-8", 12-6", 4-3", 1-3" DP,
2-18" TT



OCA 3—Azuma

Completed: 1900
Length: 452'5"
Displacement: 8,640 tons
Armament: 4-8", 12-6", 4-3", 1-3" DP
4-18" TT



IZUMO Class
OCA 4—Izumo
OCA 5—Iwate

Completed: 1900-01
Length: 434'
Displacement: 9,180 tons
Armament: 4-8", 8-6", 4-3" DP, 1-3"
4-18" TT 2-18" TT (IZUMO)



OCA 6—Kasuga

Completed: 1904
Length: 367'2"
Displacement: 7,080 tons
Armament: 1-10", 2-8", 14-6", 4-3",
1-3" DP, 4-18" TT

Ships on this page are shown at reduced scale.



XCL 1—Noshiro Maru

Completed: 1934
Length: 470'
Tonnage: 7,189 (gross)
Armament: 2-5", 5, 3-3" DP, 2- " TT



KIYOSUMI MARU Class XCL 2—Kiyosumi Maru
XCL 3—Kongo Maru

Completed: 1935
Length: 477'
Tonnage: 8,613 (gross)
Armament: 2-5", 5, 4-3" DP, 2- " TT



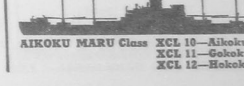
XCL 4—Ukishima Maru

Completed: 1936
Length: 355'8" (wl)
Tonnage: 4,730 (gross)



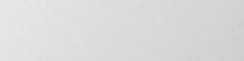
BANGKOK MARU Class XCL 5—Bangkok Maru
XCL 6—Saigon Maru

Completed: 1937
Length: 376'3"
Tonnage: 5,350 (gross)



AKAGI MARU Class XCL 7—Akagi Maru
XCL 8—Asaka Maru
XCL 9—Awata Maru

Completed: 1937
Length: 482'
Tonnage: 7,398 (gross)
Armament: 2-5", 5, 4-3" DP, 2- " TT

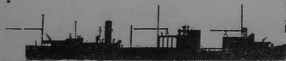


AIKOKU MARU Class XCL 10—Aikoku Maru
XCL 11—Gokoku Maru
XCL 12—Hokoku Maru

Completed: 1941
Length: 527'
Tonnage: 10,500 (gross)
Armament: 2-5", 5, 4-3" DP, 2- " TT

FLEET AUXILIARIES

SEAPLANE CARRIERS



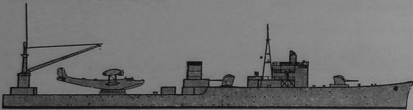
CVS 2—Kamoi

Completed: 1922
Dimensions: 496' x 67' x 27'8"
Displacement: 17,000 tons
Speed: 15 knots
Armament: 2-5" .5, 2-3" DP
Plane Capacity: 16

CVS 7—Akitsushima

Completed: 1942
Displacement: 9,000 tons
Speed: 20 knots (full)
Armament: 4-5" DP
Plane Capacity: 14

SEAPLANE TENDERS



AV 1—Takachiho

Completed: 1942
Dimensions: 392'0" x 53'0"
Displacement: 4,500 tons
Armament: 2-4" .7 DP

CONVERTED TORPEDO-BOAT TENDERS

XAGP 1—Shuri Maru

Completed: 1928
Tonnage: 1,875 (gross)

XAGP 2—Shinsho Maru

Tonnage: 4,836 (gross)

XAGP 3—Kamikaze Maru

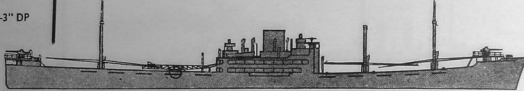
Completed: 1937
Tonnage: 4,916 (gross)

CONVERTED MINESWEEPER TENDER EIKO MARU : 1937

*Next to profile indicates reduced scale.

CONVERTED SEAPLANE TENDERS

Plane Capacity: 13



KAMIKAWA MARU Class

XAV 1—Kamikawa Maru
XAV 2—Kunikawa Maru
XAV 3—Kimikawa Maru
XAV 4—Kiyokawa Maru

Completed: 1940
Dimensions: 508' x 62' x 12' (light)
Tonnage: 6,863 (gross)
Speed: 19 knots
Armament: 2-5" DP



XAV 5—Sanyo Maru

Completed: 1930
Length: 465'
Tonnage: 8,360 (gross)



XAV 6—Yasukawa Maru

Completed: 1930
Length: 455' (pp)
Tonnage: 6,710 (gross)



XAV 7—Okitu Maru

Completed: 1939
Length: 461'
Tonnage: 6,666 (gross)



SANUKI MARU Class

XAV 8—Sanuki Maru
XAV 9—Sagara Maru

Completed: 1941
Length: 509'0"
Tonnage: 7,100 (gross)

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AIRCRAFT TRANSPORTS



XAPV 1—Goshu Maru

Completed: 1940
Dimensions: 460' x 60' x 10'
Tonnage: 8,592 (gross)
Speed: 17 knots
Armament: 2-6"
Plane Capacity: 13 (reported)



FUJIKAWA MARU Class
XAPV 2—Fujikawa Maru
XAPV 3—Mogamigawa Maru

Completed: 1937
Length: 436' (pp)
Tonnage: 6,938 (gross)



KAMOGAWA MARU Class
XAPV 4—Kamogawa Maru
XAPV 5—Keiyo Maru

Completed: 1938
Length: 456'
Tonnage: 6,442 (gross)



XAPV 6—Lyons Maru

Completed: 1920
Length: 462'
Tonnage: 7,018 (gross)



XAPV 8—Nagoya Maru

Completed: 1932
Length: 406'8" (pp)
Tonnage: 6,072 (gross)

XAPV 10—Takasaki Maru

Completed: 1943
Tonnage: 7,000 (gross)

Ships on this page are shown at reduced scale.

FLEET AUXILIARIES

CONVERTED SUBMARINE TENDERS



XAS 1—Manju Maru

Completed: 1926
Length: 449'
Tonnage: 7,267 (gross)



XAS 2—Yasukuni Maru

Completed: 1930
Length: 531'
Tonnage: 11,933 (gross)



HIE MARU Class
XAS 3—Hie Maru
XAS 4—Heian Maru

Completed: 1930
Length: 535'
Tonnage: 11,600 (gross)



XAS 6—Aratama Maru

Completed: 1938
Length: 475'
Tonnage: 6,784 (gross)



XAS 9—Soyo Maru

XAS 7—Urakami Maru
Completed: 1941
Tonnage: 4,250 (gross)

XAS 8—Nisso Maru

Completed: 1943
Tonnage: 7,000 (gross)

Completed: 1931
Length: 415' (pp)
Tonnage: 6,081 (gross)

FLEET AUXILIARIES

REPAIR SHIPS



Completed: 1939
Length: 499'
Displacement: 9,000 tons

AR 3—Oshima

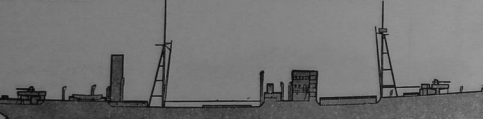
Completed: 1934
Displacement: 970 tons

FUEL OIL TANKERS



Completed: 1918
Length: 400'
Displacement: 8,800 tons

AO 1—Sunosaki



SHIRETOKO Class

AO 2—Shiretoko
3—Erimo
4—Sata
5—Tsurumi

AO 6—Shiriyu
7—Iro
8—Ondo
9—Hayatomo
10—Naruto

Completed: 1922
Dimensions: 470' x 58' x 26'6" (max.)
Displacement: 14,050 tons
Speed: 12 knots
Armament: 2-5" 5, 2-3" DP

AO 11—Hayazaki
12—Ashizuri

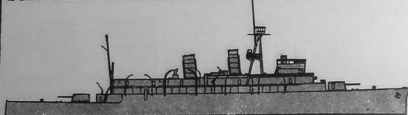
Dimensions: 232' x 33'
Armament: 2-3" DP

14—Rokuan

HAYAZAKI Class

*Next to profile indicates reduced scale.

SUBMARINE TENDERS



JINGEI Class AS 2—Jingei
3—Chogei

Completed: 1923-24
Dimensions: 380' (WL) x 53' x 19'6"
Displacement: 5,160 tons
Speed: 16 knots
Armament: 4-5" 5, 2-3" DP, 1-VOS



AS 1—Komabashi

Completed: 1914
Length: 227'
Displacement: 1,125 tons

PROVISION STORESHIPS



AF 1—Mamiya

Completed: 1924
Length: 483'
Displacement: 15,820 tons

AF 2—Kashino

Completed: 1940
Length: 350'
Displacement: 7,000 tons

AF 3—Irako

Completed: 1941
Displacement: 14,000 tons



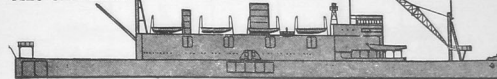
MURTO Class

AF 4—Muroto
5—Nojima

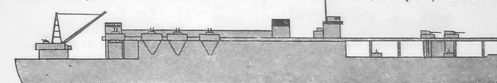
Completed: 1919
Length: 345'
Displacement: 8,215 tons

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MLC CARRIERS



LSV 1 - Completed: 1937 Dimensions: 480' x 57' Displacement: 8,000 tons Speed: 18 knots



LSV 2—Akitsu Maru Completed: 1941 Dimensions: 493' x 65' (deck) Displacement: 9,000 tons Speed: 21 knots



APD Numbers unknown. Dimensions: 342' x 36'; mines or LC carried

MISCELLANEOUS AUXILIARIES



AG 1—Settsu Completed: 1912
Length: 533'
Displacement: 16,130 tons



AG 2—Otomari Completed: 1921
Length: 200' (pp)
Displacement: 2,330 tons

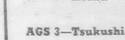
SURVEYING SHIPS



AGS 1—Yodo Completed: 1908
Length: 300'
Displacement: 1,320 tons



AGS 2—Koshu Completed: 1904
Length: 264'
Displacement: 2,000 tons



AGS 3—Tsukushi Completed: 1942
Displacement: 2,000 tons

(No data)

MISCELLANEOUS AUXILIARIES

CABLE LAYERS

HASHIMA Class Completed: 1942 Displacement: 2,000 tons
ARC 1—Hashima 2—Tsurushima 3—Tateishi 4—Odate



ARC 5—Toyo Maru Completed: 1937
Tonnage: 3,719 (gross) Length: 335' (pp)

ARC 6—Yamabato Maru Completed: 1937
Length: 298' (pp)
Tonnage: 2,557 (gross)

COASTAL MINELAYERS

Cmc 1—Toshima Cmc 6—Ento
2—Kuroshima 7—Katashima
3—Katoku 8—Kurokami
4—Ashizaki 9—Enoshima
5—Washizaki 10—Kurozaki
11—Ninoshima



TSUBAME Class Cmc 12—Tsubame Cmc 13—Kamome
Completed: 1929 Length: 206'8" Displacement: 450 tons



NATSUSHIMA Class Cmc 14—Natsushima Cmc 15—Nasami
Completed: 1934 Cmc 16—Sarushima
Dimensions: 225'2" (pp) x 24'6" x 5'8" Speed: 19 knots
Displacement: 443 tons Armament: 2-3" DP

SOKUTEN Class YURISHIMA Class 29—Ishizaki
Completed: 1940 Completed: 1943 30—Boko
Length: 240'7" 31—Saishu
Displacement: 720 tons Cmc 22—Yurishima
Cmc 17—Sokuten 23—Nuwashima
18—Shirekami 24—Maeshima
19—Kyosai 25—Moroshima
20—Maria 26—Hirashima
21—Ukishima 27—Takashima
28—Araizaki 32—No. 1
No. 1 Class Completed: 1943
33—No. 2
34—No. 3
35—No. 4

HOSPITAL SHIPS



AH 1—America Maru

Completed: 1898
Length: 423' (pp)
Tonnage: 6,070 (gross)



AH 2—Yoshino Maru

Completed: 1906
Length: 464' (pp)
Tonnage: 8,990 (gross)



AH 3—Fuso Maru

Completed: 1908
Length: 475' (pp)
Tonnage: 8,196 (gross)



AH 4—Seattle Maru

Completed: 1909
Length: 420' (pp)
Tonnage: 5,774 (gross)



AH 5—Siberia Maru

Completed: 1909
Length: 351' (pp)
Tonnage: 3,461 (gross)

Ship profiles above are at reduced scale.



AH 6—Chicago Maru

Completed: 1910
Length: 410' (pp)
Tonnage: 5,866 (gross)



AH 7—Mizuho Maru

Completed: 1912
Length: 460' (pp)
Tonnage: 8,506 (gross)



AH 8—Asahi Maru

Completed: 1914
Length: 483' (pp)
Tonnage: 9,326 (gross)

AH 9—Kohoku Maru



AH 10—Manila Maru AH 11—Arabia Maru

Completed: 1915
Length: 285' (pp)
Tonnage: 2,574 (gross)



AH 12—Hokushin Maru

Completed: 1920
Length: 407' (pp)
Tonnage: 5,820 (gross)

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AH 13—Baikal Maru

Completed: 1921
Length: 400' (pp)
Tonnage: 5,266 (gross)



AH 14—Maro Maru

Completed: 1926
Length: 230' (pp)
Tonnage: 1,607 (gross)



AH 15—Teno Maru (ex. Op Ten Noort)

Completed: 1927
Length: 425' (pp)
Tonnage: 6,076 (gross)



AH 16—Mikasa Maru

Completed: 1928
Length: 325' (pp)
Tonnage: 3,143 (gross)



AH 17—Buenos Aires Maru

Completed: 1929
Length: 461' (pp)
Tonnage: 9,626 (gross)

Ship profiles above are at reduced scale.

HOSPITAL SHIPS



AH 18—Ural Maru

Completed: 1929
Length: 405' (pp)
Tonnage: 6,374 (gross)



AH 19—Hikawa Maru

Completed: 1930
Length: 535'
Tonnage: 11,622 (gross)



AH 20—Ryuko Maru

Completed: 1935
Length: 298' (pp)
Tonnage: 2,962 (gross)



AH 21—Tachibana Maru

Completed: 1935
Length: 245' (pp)
Tonnage: 1,772 (gross)



AH 22—Takasago Maru

Completed: 1936
Length: 483' (pp)
Tonnage: 9,347 (gross)

DISTRICT CRAFT

SALVAGE VESSELS



ARS 1—Kurihashi

Completed: 1905
Length: 182' (pp)
Displacement: 1,000 tons



ARS 2—Yodohashi

Completed: 1919
Length: 159' (pp)
Displacement: 800 tons

CONVERTED SALVAGE VESSELS

XARS 1—Matsuei Maru

(No data)

XARS 2—Kasagi Maru

Completed: 1928
Length: 325' (pp)
Tonnage: 3,140 (gross)



XARS 3—Yamabiko Maru

Completed: 1937
Length: 460'
Tonnage: 6,798 (gross)

XARS 4—Hakkai Maru

Completed: 1940
Length: 309' (pp)
Tonnage: 2,921 (gross)

XARS 5—Esa Maru

(No data)

XARS 6—Haruta Maru

Completed: 1925
Length: 262' (pp)
Tonnage: 1,515 (gross)

XARS 7—Yushio Maru

Completed: 1927
Length: 185'4" (pp)
Tonnage: 807 (gross)



ARS 3—Sarubashi

Completed: 1905
Length: 140' (pp)
Displacement: 590 tons

ARS 4—Shiragane

Completed: 1933
Length: 133' (pp)
Displacement: 400 tons

RIVER GUNBOATS



PR 1—Toba

Completed: 1911
Length: 183'3"
Displacement: 215 tons



HIRA Class

Completed: 1923
Length: 184'
Displacement: 305 tons



ATAMI Class

Completed: 1930
Length: 148'8" (pp)
Displacement: 170 tons

SUMIDA Class



PR 11—Tatara

Completed: 1927
Length: 159'5"
Displacement: 370 tons



PR 12—Karatsu

Completed: 1928
Length: 210'9"
Displacement: 560 tons



PR 13—Suma

Completed: 1916
Length: 237'6"
Displacement: 625 tons

CONVERTED GUNBOATS

XPG—80 miscellaneous converted merchantmen.
Tonnage: 756–3,300 (gross)

CONVERTED PATROL CRAFT

XPC—130 miscellaneous trawlers, whale-killers, coasters, etc.

CONVERTED MINESWEEPERS

XAM—116 miscellaneous coasters, etc., averaging 300 gross tons.

CONVERTED NET TENDERS

XYN—50 or more miscellaneous converted merchantmen.
Tonnage: 300–6,700 (gross)

COASTAL MINESWEEPERS

No. 1 Class No. 3 Class AMc 3–25—No. 3–25
AMc 1–2—No. 1–2 Completed: 1943 Displacement: 300 tons

LANDING CRAFT TYPES

VEHICLES AND PERSONNEL



Type A—49'4" (Army and Navy designs); 65' (Army)
Dimensions: 264' x 32'
Armament: 1–3"

PERSONNEL AND SUPPLY

Type B—33' Type H—51'
Type D—38'6" Type I—47' (dumb barge)
Type E—63'2" (air-screw propelled)
Type F—21' Collapsible Pontoon—13'7"
Type G—52'–75' (lugger) Rigid Pontoon—24'6"

SUPPORT

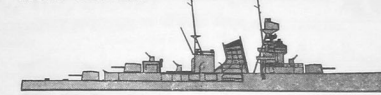
Type C—49' and 60'

FUEL OIL BARGES

Type X—199' (dumb barge)
Type Y—104' (dumb barge)
Type V
Type W

ONI 41–42 Index •

LIGHT CRUISERS



NING HAI Class (China)

Ning Hai Ping Hai

Completed: 1932–36
Dimensions: 360' x 39'2" x 11'
Displacement: 2,000 tons
Speed: 22 knots
Armament: 6–5" .5, 6–3" DP, 4–21" TT (twins)

TORPEDO BOATS



TRAD Class (Siam)

Trad
Puket
Surasdra
Pattani
Rayong
Chandaraburi
Jumbura

Completed: 1937
Dimensions: 223'1" x 21' x 6'4"
Displacement: 385 to 470 tons
Speed: 31 knots
Armament: 3–3" DP, 6–18" TT

COAST DEFENSE SHIPS



DHAMBURI Class (Siam)

Dhamburi
Completed: 1938
Dimensions: 246'1" x 42'8"
Displacement: 2,015 tons
Speed: 12.5 knots
Armament: 4–8", 4–3" DP

Sri Ayudhya
RATANAKOSINDRA Class
Ratanakosindra (Siam)
Sukhodaya

Completed: 1925–30
Length: 175'
Displacement: 886 tons

GUNBOATS



TAHCHIN Class (Siam)

Tahchin
Completed: 1937
Dimensions: 269'3" (WL) x 34'5" x 10'3"
Displacement: 1,400 tons
Speed: 17 knots
Armament: 4–4" .7, 4–21" TT (twins)



Yat Sen (China)

Completed: 1930
Length: 265'
Displacement: 1,600 tons

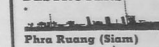


Amiral Charner (France)

Completed: 1933
Length: 340'3"
Displacement: 1,969 tons

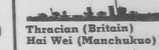
NON-JAPANESE WARSHIPS

DESTROYERS



Phra Ruang (Siam)

Completed: 1917
Length: 274'
Displacement: 718 tons



Thracian (Britain)

Completed: 1922
Length: 276'2"
Displacement: 905 tons

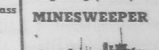


Hai Wei (Manchukuo) (See ODD MOMO)



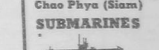
Van Ghent Class (Netherlands)

Completed: 1930
Length: 321'10"
Displacement: 1,316 tons



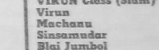
Angthong (Siam)

Completed: 1919
Length: 335'3"
Displacement: 2,700 tons



Chao Phya (Siam)

Completed: 1919
Length: 231'
Displacement: 699 tons



Virun Class (Siam)

Completed: 1938
Length: 164'1"
Displacement: 325 tons



Samui (Siam)

Completed: 1936
Length: 249'4"
Displacement: 1,800 tons

*Next to profile indicates reduced scale.

A simplified appearance break-down of the Japanese Navy, introduced in JAN No. 3, is included in this book to serve as a guide in recognizing the warships shown on the preceding pages. This system, called Japanese Warship Recognition, was developed as an aid in reporting Japanese warships under operational conditions. It is now being widely used by the Allied forces in the Pacific theatres.

The system is a simple procedure of progressive observation in three steps:

First —A general **DIVISION** fitting the ship's appearance is determined.

Second—The ship is keyed into a **GROUP** within the Division (usually by turrets).

Third —The ship is recognized as one of a **CLASS** within the group.

The time available for observation and the conditions prevailing at the time of sighting will determine how complete the report of a certain warship can be. A partial report will be of considerable intelligence value.

For example —The observer's report might run as follows in the reporting of an unknown warship:

If unable to determine the division, report—1 **WARSHIP**.

If division can be determined, report—1 **CA**.

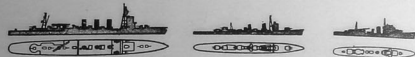
If division and class are partially determined, report—1 **CA, NACHI-ATAGO**.

If division and class can be fully determined, report—1 **CA, NACHI**.

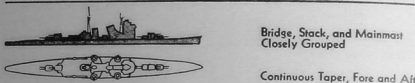
Full presentation of this system, known as JWR (Japanese Warship Recognition), is available in two forms—ONI 229 (for surface vessels and submarines) and JAN No. 3 (for use in the air). A parallel system for recognizing and reporting Japanese merchant ships (JMST—Japanese Merchant Shipping Tonnage) is included in the same publications. These publications were prepared by DNI and A-2 in collaboration with representatives of Allied Air Forces, Naval Intelligence, and C. I. U. in S. W. P. A.

JWR JAPANESE WARSHIP RECOGNITION

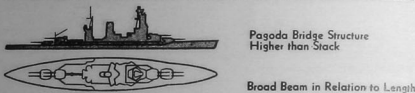
NOTE HULL SHAPES IN VERTICAL VIEW



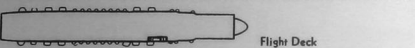
CL — Light Cruiser Bridge, Stacks, and Mainmast Widespread
DD — Destroyer
Escort Very Little Taper



CA — Heavy Cruiser



BB — Battleship

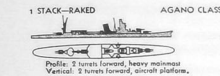


CV — Aircraft Carrier

CL, DD, Escort

NOTE STACKS

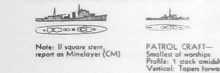
3 or 1 **STACK—LIGHT CRUISER**



2 **STACKS—DESTROYER**



1 **STACK—ESCORT and MINECRAFT**



Note: If square stern, report as Mineslayer (CM)
 PATROL CRAFT—Smallest of warships
 Profile: 1 stack amidships
 Vertical: Taper forward

CA

NOTE FORWARD TURRETS

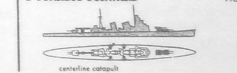
4 **TURRETS FORWARD** TONE CLASS



3 **TURRETS FORWARD**



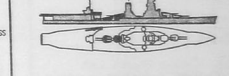
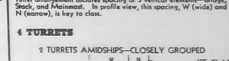
2 **TURRETS FORWARD** AOBA



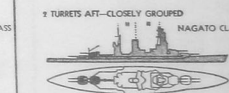
BB

NOTE TURRETS

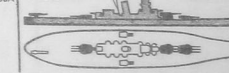
4 **TURRETS**



2 **TURRETS AFT—SEPARATED**



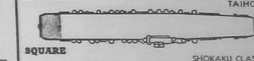
3 **TURRETS**



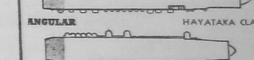
CV

NOTE AFT END OF FLIGHT DECK

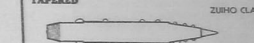
ANGULAR TAIHO



SQUARE SHOKAKU CLASS



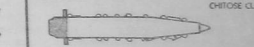
ANGULAR HAYATAKA CLASS



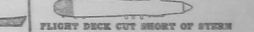
TAPERED ZUIHO CLASS



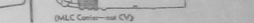
ANGULAR OTAKA CLASS



ANGULAR CHITOSE CLASS



ROUNDED HOSHO



FLIGHT DECK CUT SHORT OF STERN AKITSU MARU (MLC Center—not CV)

TYPE DESIGNATIONS OF JAPANESE WARSHIPS

Major Combatant Types

BB	Battleship	DD	Destroyer
CV	Aircraft Carrier	ODD	Destroyer, Second Line
CVL	Small Aircraft Carrier	TB	Torpedo Boat
CVE	Escort Aircraft Carrier	SS	Submarine, Cruiser, Fleet
CVS	Seaplane Carrier	OSS	Submarine, Coastal
CA	Heavy Cruiser	SM	Submarine Minelayer
CL	Light Cruiser	APS	Submarine Transport

Minor Combatant Types

DE	Destroyer Escort	OCA	Cruiser, Second Line
PF	Frigate	CL(T)	Training Cruiser
PG	Gunboat	XCL	Auxiliary Cruiser
PC	Submarine Chaser, Large	CM	Minelayer
SCS	Submarine Chaser, Small	XCM	Converted Minelayer
PT	Motor Torpedo Boat	AM	Minesweeper

Auxiliary Types

AV	Seaplane Tender	AR	Repair Ship
XAV	Converted Seaplane Tender	AO	Fuel Oil Tanker
		AF	Provision Storeship
XAPV	Aircraft Transport	LSV	Landing Craft Carrier
AS	Submarine Tender	AG	Miscellaneous Auxiliary
XAS	Converted Submarine Tender	AGS	Surveying Ship
		ARC	Cable Layer

District Craft

CMc	Minelayer, Coastal	XPC	Converted Subchaser
AMc	Minesweeper, Coastal	XYN	Converted Net Tender
XPG	Converted Gunboat	YP	Patrol Vessel
ARS	Salvage Vessel	PR	River Gunboat
XARS	Converted Salvage Vessel		

SYSTEM OF NAMING JAPANESE WARSHIPS

Like the U. S. Navy, the Japanese have a fairly rigid system for assigning warship names. In most instances, a knowledge of the meaning of the name of a Japanese warship will reveal her type classification. Some notable exceptions occur where ships are reclassified as to type but retain their original names, as in the cases of the KONGO Class battleships (ex-battle cruisers) and MOGAMI Class of heavy cruisers (ex-light cruisers). In general, the naming system is as follows:

TYPE

Battleships
Aircraft Carriers
Battle Cruisers
Large Cruisers
Heavy Cruisers
Cruisers, Second Line

Light Cruisers

Fleet Destroyers
("First Class" DD)
Escort Destroyers
("Second Class" DD)

Torpedo Boats
(not PT)

Large Submarines
Coastal Submarines
Small Submarines

Minelayers

Minesweepers

Submarine Tenders
(Regular)

Fuel Oil Tankers
Storeships

Motor Torpedo Boats
Submarine Chasers

NAMED FOR

Provinces of Japan
Dragons and "Great Birds"

Mountains

Rivers

Meteorological names in poetic style

Trees, flowers, fruits, and islands

Birds

"I" and number
"RO" and number
"HA" and number

Islands, straits, and channels

Straight numbers

Whales

Headlands and capes

Straight numbers

ONI 41-42 Index .

The two accepted methods for transliteration of Japanese words into English spelling are the Hepburn System and the Kokutai (official Japanese) System. The Hepburn System represents the more nearly phonetic approach to spoken Japanese and is followed in this publication.

The following list of equivalents is provided to enable the user of ONI-41-42-I to easily reconcile any Kokutai version of a Japanese ship name with the more familiar or Hepburn spelling.

HEPBURN KOKUTAI

FU	HU
SHI	SI
SH	SY
CHI	TI
TSU	TU
CH	TY
JI	ZI
JU	ZYU
JO	ZYO

Typical examples are:

Fuso	Huso
Shokaku	Syokaku
Ashigara	Asigara
Mutsu	Mutu

Name	Class	Symbol	Name	Class	Symbol
A			Arashio	Asashio-Kagero	DD 77
Abukuma	Natori	CL 13	Arashiyama Maru		XAM
Agano	Agano	CL 21	Aratama Maru		XAS 6
Agata Maru		XYN	Ariake	Hatsuharu-Shigure	DD 64
Aikoku Maru	Aikoku Maru	XCL 10	Asagao	Kuri-Wakatake	ODD 26
Akagi Maru	Akagi Maru	XCL 7	Asagiri	Fubuki	DD 48
Akashi		AR 2	Asagumo	Asashio-Kagero	DD 80
Akatsuki	Fubuki	DD 59	Asahi	Asama	AR 1
Akebono	Fubuki	DD 54	Asahi Maru		AH 8
Akigumo	Asashio-Kagero	DD 105	Asahi Maru No. 2		XAM
Akikaze	Minekaze	DD 7	Asaka Maru	Akagi Maru	XCL 8
Akitsu Maru		LSV 2	Asakaze	Kamikaze	DD 17
Akitsu Maru		XPC	Asama		OCA 1
Akitsu Maru		CVS 7	Asamame Maru		XPC
Akitsu Maru		DD 109	Asanagi	Kamikaze	DD 20
Akitsu Maru	Terutsuki		Asashio	Asashio-Kagero	DD 76
AM No. 1-6	No. 1	AM	Ashi	Kuri-Wakatake	ODD 16
AM No. 7-12	No. 7	AM	Ashigara	Nachi	CA 8
AM No. 13-18	No. 13	AM	Ashizaki	Toshima	CMc 4
AM No. 19-37	No. 19	AM	Ashizuri		AO 12
AM No. 101, 102	No. 101	AM	Asuga		PG 3
Amagiri	Fubuki	DD 45	Atago	Atago	CA 9
Amakusa	Mikura	PF 19	Ataka		PG 4
Amatsukaze	Asashio-Kagero	DD 95	Ataka Maru		XAM
AMc No. 1, 2	No. 1	AMc	Atami	Atami	PR 6
AMc No. 3-25	No. 3	AMc	Awaji	Mikura	PF 22
America Maru		AH 1	Awata Maru	Akagi Maru	XCL 9
Amiral Charner	Bougainville	PG	Ayanami	Fubuki	DD 47
Amoy Maru No. 1-4		XAM	Ayukawa Maru		XPC
Angthong		PY	Azuma		OCA 3
Anshu Maru		XPG	B		
Aoba	Aoba	CA 3	Baikal Maru		AH 13
Aoi	Kuri-Wakatake	ODD 9	Banckert	Van Ghent	DD
Aoi Maru		XAM	Bangkok Maru	Bangkok Maru	XCL 5
Aotaka	Hatsutaka	CM 8	Banshu Maru No. 18, 51, 56		XAM
Arabia Maru		AH 11	Banshu Maru No. 53		XPC
Araizaki	Yurishima	CMc 28	Bisan Maru		XAM
Arare	Asashio-Kagero	DD 85			
Arashi	Asashio-Kagero	DD 98			

ALPHABETICAL INDEX

ALPHABETICAL INDEX

Name	Class	Symbol	Name	Class	Symbol
Blai Jumbol	Virun	SS	Chuyo	Otaka	CVE 3
Boko	Yurishima	CMc 30	CMc No. 32-35	No. 1	CMc
Buenos Aires Ma- ru.		AH 17			
Bunzan Maru		XPC	D		
Busho Maru		XPG	Daian Maru		XPC
Byoritsu Maru		XPC	Daido Maru		XPG
			Daigen Maru No. 7		XPG
C			Daigokuten Maru		XYN
Chandaraburi	Trad	TB	Daisei Maru		XAM
Chao Phya	"Improved Hunt"	AM	Daito Maru		XAM
Chiburi	Mikura	PF 21	Daito Maru No. 1		XPC
Chicago Maru		AH 6	Daiton Maru		XPC
Chidori	Chidori	TB 1	Derii Maru		XPG
Chikuma	Tone	CA 18	DE-UN-1		DE
Chikushi Maru		XAM	Dhamburi	Dhamburi	
Chikuto Maru		XPC	E		
Chikyu Maru		XPC	Edo Maru		XPG
Chitose Maru		XPG	Eifuku Maru		XPG
Chitose Maru No. (?).		XAM	Eijo Maru		XPC
Choan Maru		XCM 2	Eiko Maru	Converted Mine- sweeper Tender	XPG
Choan Maru No. 2		XPG	Eiryu Maru		XYN
Chogei	Jingei	AS 3	Enoshima	Toshima	CMc 9
Chohakusan Maru		XPG	Ensui Maru		XPC
Chojusan Maru		XPG	Ento	Toshima	CMc 6
Chokai	Atago	CA 11	Erimo	Shiretoko	AO 3
Choko Maru		XYN	Esa Maru		XARS 5
Choko Maru No. 2		XPG	Etorofu	Shimushu	PF 5
Chosa Maru		XPG	F		
Choun Maru		XPG	Fubuki	Fubuki	DD 37
Choun Maru No. 15, 16.		XPC	Fuji	Kuri-Wakatake	ODD 15
Choun Maru No. 18, 21.		XAM	Fuji Maru		XAM
Choyo Maru No. 2		XAM	Fujikawa Maru	Fujikawa Maru	XAPV 2
			Fujinami	Takanami	DD 121
			Fukue	Shimushu	PF 11

Name	Class	Symbol	Name	Class	Symbol
Fukuei Maru No. 7		XAM	Fumitsuki	Mutsuki	DD 30
Fukuei Maru No. 10		XPG	Furutaka	Furutaka	CA 1
Fukuei Maru No. 15		XYN	Fushimi	Sumida	PR 9
Fukushima Maru		XPC	Fuso Maru		AH 3
Fumi Maru		XPC	Futami	Atami	PR 7
Fumi Maru No. 2		XAM	Fuyo	Kuri-Wakatake	ODD 27
Fumi Maru No. 3		XPC	Fuyutsuki	Terutsuki	DD 115
Fumi Maru No. 5		XPG	G		
Ganjitsu Maru		XPC	Ganjitsu Maru		XPC
Geiyo Maru		XPC	Geiyo Maru		XPC
Gokoku Maru	Aikoku Maru	XCL 11	Gokoku Maru	Aikoku Maru	XCL 11
Goshu Maru		XAPV 1	Goshu Maru		XAPV 1
H			H		
Hachijo	Shimushu	PF 3	Hachijo	Shimushu	PF 3
Hagi	Kuri-Wakatake	ODD 13	Hagi	Kuri-Wakatake	ODD 13
Hagikaze	Asashio-Kagero	DD 99	Hagikaze	Asashio-Kagero	DD 99
Hagoromo Maru		XAM	Hagoromo Maru		XAM
Haguro	Nachi	CA 6	Haguro	Nachi	CA 6
Hai Wei	Momo	DD	Hai Wei	Momo	DD
Hakata Maru No. 6		XAM	Hakata Maru No. 6		XAM
Hakata Maru No. 7		XAM	Hakata Maru No. 7		XAM
Hakaze	Minekaze	DD 5	Hakaze	Minekaze	DD 5
Hakkai Maru		XARS 4	Hakkai Maru		XARS 4

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Name	Class	Symbol	Name	Class	Symbol
Hakkai Maru		XPG	Hakkaian Maru		XPG
Hakkaian Maru		XPG	Hakubi Maru		XPC
Hakubi Maru		XPC	Hakusa Maru		XAG
Hakusa Maru		XPC	Hakusa Maru		XPC
Hamakaze	Asashio-Kagero	DD 101	Hamakaze	Asashio-Kagero	DD 101
Hamanami	Takanami	DD 125	Hamanami	Takanami	DD 125
Harukawa Maru		XYN	Harukawa Maru		XYN
Harukaze	Kamikaze	DD 18	Harukaze	Kamikaze	DD 18
Haruna	Kongo	BB 4	Haruna	Kongo	BB 4
Harusame	Hatsuharu-Shigure	DD 70	Harusame	Hatsuharu-Shigure	DD 70
Haruta Maru		XARS 6	Haruta Maru		XARS 6
Hashidate	Hashidate	PG 6	Hashidate	Hashidate	PG 6
Hashima	Hashima	ARC 1	Hashima	Hashima	ARC 1
Hassen Maru		ODD 18	Hassen Maru		ODD 18
Hasu	Kuri-Wakatake	DD 21	Hasu	Kuri-Wakatake	DD 21
Hatakaze	Kamikaze	TB 9	Hatakaze	Kamikaze	TB 9
Hato	Otori	TB 4	Hato	Otori	TB 4
Hatsuharu	Hatsuharu-Shigure	DD 60	Hatsuharu	Hatsuharu-Shigure	DD 60
Hatsukari	Chidori	DD 90	Hatsukari	Chidori	DD 90
Hatsukaze	Asashio-Kagero	DD 61	Hatsukaze	Asashio-Kagero	DD 61
Hatsushimo	Hatsuharu-Shigure	DD 112	Hatsushimo	Hatsuharu-Shigure	DD 112
Hatsutsuki	Terutsuki	CM 7	Hatsutsuki	Terutsuki	CM 7
Hatsutaka	Hatsutaka	DD 43	Hatsutaka	Hatsutaka	DD 43
Hatsuyuki	Fubuki	AM	Hatsuyuki	Fubuki	AM
Havant	(see Chao Phya)	TB 6	Havant	(see Chao Phya)	TB 6
Hayabusa	Otori	XPG	Hayabusa	Otori	XPG
Hayakufuku Maru		DD 124	Hayakufuku Maru		DD 124
Hayanami	Takanami	DD 93	Hayanami	Takanami	DD 93
Hayashio	Asashio-Kagero	CV 8	Hayashio	Asashio-Kagero	CV 8
Hayataka	Hayataka	DD 23	Hayataka	Hayataka	DD 23
Hayate	Kamikaze	AO 9	Hayate	Kamikaze	AO 9
Hayatomo	Shiretoko	AO 11	Hayatomo	Shiretoko	AO 11
Hayazaki	Hayazaki	XAS 4	Hayazaki	Hayazaki	XAS 4
Heian Maru	Hie Maru	XPG	Heian Maru	Hie Maru	XPG
Heijo Maru		XPG	Heijo Maru		XPG
Heiko Maru		DD 56	Heiko Maru		DD 56
Hibiki	Fubuki	XAS 3	Hibiki	Fubuki	XAS 3
Hie Maru	Hie Maru	AH 19	Hie Maru	Hie Maru	AH 19
Hikawa Maru		XAM	Hikawa Maru		XAM
Himeshima Maru			Himeshima Maru		

Name	Class	Symbol	Name	Class	Symbol
Hinan Maru		XPC	Hinan Maru		XPC
Hino Maru No. 2		XPG	Hino Maru No. 2		XPG
Hinode Maru No. 3		XPC	Hinode Maru No. 3		XPC
Hinode Maru No. 5		XPC	Hinode Maru No. 5		XPC
Hinode Maru No. 17, 18, 20		XAM	Hinode Maru No. 17, 18, 20		XAM
Hinoki	Momo	ODD 2	Hinoki	Momo	ODD 2
Hinoki Maru		XYN	Hinoki Maru		XYN
Hira	Hira	PR 2	Hira	Hira	PR 2
Hirado	Shimushu	PF 16	Hirado	Shimushu	PF 16
Hirashima	Yurishima	CMc 26	Hirashima	Yurishima	CMc 26
Hiroshi Maru		XYN	Hiroshi Maru		XYN
Hirotama Maru		XPG	Hirotama Maru		XPG
Hishi	Kuri-Wakatake	ODD 19	Hishi	Kuri-Wakatake	ODD 19
Hitaka	Hayataka	CV 9	Hitaka	Hayataka	CV 9
Hitonose		PG 5	Hitonose		PG 5
Hiyei	Kongo	BB 2	Hiyei	Kongo	BB 2
Hiyodori	Otori	TB 7	Hiyodori	Otori	TB 7
Hiyoshi Maru No. 2		XPG	Hiyoshi Maru No. 2		XPG
Hoei Maru		XAM	Hoei Maru		XAM
Hoku Maru		PR 3	Hoku Maru		PR 3
Hokaze	Hira	DD 9	Hokaze	Hira	DD 9
Hokoku Maru	Minekaze	XPG	Hokoku Maru	Minekaze	XPG
Hokoku Maru	Aikoku Maru	XCL 12	Hokoku Maru	Aikoku Maru	XCL 12
Hokoku Maru No. 3		XPC	Hokoku Maru No. 3		XPC
Hokushin Maru		AH 12	Hokushin Maru		AH 12
Hokuto Maru		XPC	Hokuto Maru		XPC
Hongkong Maru		XPG	Hongkong Maru		XPG
Hosho		CVL 1	Hosho		CVL 1
Hyuga	Ise	BB 8	Hyuga	Ise	BB 8
I			I		
I-1-4	I-1	SS	I-1-4	I-1	SS
I-5-8	I-5	SS	I-5-8	I-5	SS
I-9-14	I-9	SS	I-9-14	I-9	SS
I-15-49	I-15	SS	I-15-49	I-15	SS
I-52-58	I-52, 54	SS	I-52-58	I-52, 54	SS
I-121-124	I-121	SM	I-121-124	I-121	SM

Name	Class	Symbol	Name	Class	Symbol
I-153-160	I-153	SS	I-153-160	I-153	SS
I-161-166	I-161	SS	I-161-166	I-161	SS
I-168-175	I-168	SS	I-168-175	I-168	SS
I-176—	I-176	SS	I-176—	I-176	SS
I-351	I-351	SS	I-351	I-351	SS
I-361	I-361	SS	I-361	I-361	SS
I-400	I-400	SS	I-400	I-400	SS
Iki	Shimushu	PF 15	Iki	Shimushu	PF 15
Ikazuchi	Fubuki	DD 57	Ikazuchi	Fubuki	DD 57
Ikuta Maru		XPG	Ikuta Maru		XPG
Inazuma	Fubuki	DD 58	Inazuma	Fubuki	DD 58
Inzan Maru		XPC	Inzan Maru		XPC
Irako		AF 3	Irako		AF 3
Iro	Shiretoko	AO 7	Iro	Shiretoko	AO 7
Ise	Ise	BB 7	Ise	Ise	BB 7
Ishigaki	Shimushu	PF 4	Ishigaki	Shimushu	PF 4
Ishizaki	Yurishima	CMc 29	Ishizaki	Yurishima	CMc 29
Isokaze	Asashio-Kagero	DD 94	Isokaze	Asashio-Kagero	DD 94
Isonami	Fubuki	DD 42	Isonami	Fubuki	DD 42
Isshin Maru (?)		XPC	Isshin Maru (?)		XPC
Isuzu	Natori	CL 12	Isuzu	Natori	CL 12
Itsukushima		CM 4	Itsukushima		CM 4
Iwata Maru		XYN	Iwata Maru		XYN
Iwate	Izumo	OCA 5	Iwate	Izumo	OCA 5
Iwato Maru		XYN	Iwato Maru		XYN
Izan Maru		XPC	Izan Maru		XPC
Izumo	Izumo	OCA 4	Izumo	Izumo	OCA 4
Izumo Maru	Hayataka	CV 8	Izumo Maru	Hayataka	CV 8
J			J		
Jikyū Maru		XPC	Jikyū Maru		XPC
Jingei	Jingei	AS 2	Jingei	Jingei	AS 2
Jintsu	Sendai	CL 16	Jintsu	Sendai	CL 16
Jinyo		CVE 5	Jinyo		CVE 5
Jumbara	Trad	TB	Jumbara	Trad	TB
Junzan Maru		XPG	Junzan Maru		XPG
K			K		
Kagero	Asashio-Kagero	DD 86	Kagero	Asashio-Kagero	DD 86
Kahoku Maru		XPG	Kahoku Maru		XPG
Kaiyo		CVE 4	Kaiyo		CVE 4

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Name	Class	Symbol	Name	Class	Symbol
Kaiyo Maru No. 1, 3		XAM	Katsura Maru No. 2		XPG
Kaki	Kuri-Wakatake	ODD 11	Katsura Maru		XYN
Kako	Furutaka	CA 2	Katsura Maru		XPC
Kamikaze	Kamikaze	DD 16	Katsuragi Maru		XAPV 7
Kamikaze Maru		XAPG 3	Katsuriki		CM 2
Kamikawa Maru	Kamikawa Maru	XAV 1	Kawakaze	Hatsuharu-Shigure	DD 74
Kamitsu Maru		XPG	Kaya	Kuri-Wakatake	ODD 6
Kamogawa Maru	Kamogawa Maru	XAPV 4	Kazegumo	Asashio-Kagero	DD 107
Kamoi		CVS 2	Keiko Maru		XPG
Kamome	Tsubame	CMc 13	Keinin Maru		XAM
Kan Maru		XAM	Keishin Maru		XPG
Kan Maru No. 2, 3		XAM	Keiyo Maru	Kamogawa Maru	XAPV 5
Kanan Maru		XPC	Keizan Maru		XPC
Kanju	Shimushu	PF 13	Kenkai Maru		XPC
Kanko Maru		XPG	Kensan Maru		XPG
Karatsu		PR 12	Kiji	Otori	TB 12
Kari	Otori	TB 11	Kiku	Kuri-Wakatake	ODD 10
Karukaya	Kuri-Wakatake	ODD 28	Kiku Maru		XYN
Kasado	Mikura	PF 23	Kikutsuki	Mutsuki	DD 31
Kasagi Maru		XARS 2	Kimikawa Maru	Kamikawa Maru	XAV 3
Kasasagi	Otori	TB 8	Kinjo Maru		XCM 4
Kashi	(see Hai Wei)	DD	Kinryu Maru		XCL 13
Kashii	Katori	CL(T) 3	Kinsui Maru		XPC
Kashima	Katori	CL(T) 2	Kintoku Maru No. 13		XPC
Kashi Maru		XYN	Kinu	Natori	CL 10
Kashin Maru		XPC	Kinugasa	Aoba	CA 4
Kashino		AF 2	Kiri Maru No. 1		XYN
Kashiwa Maru		XYN	Kiri Maru No. 5		XAM
Kashiwara Maru	Hayataka	CV 9	Kirishima	Kongo	BB 3
Kasuga		OCA 6	Kisaragi	Mutsuki	DD 27
Kasuga Maru	Otaka	CVE 1	Kishin Maru		XYN
Kasumi	Asashio-Kagero	DD 84	Kishinami	Takanami	DD 127
Katada	Hira	PR 4	Kiso	Kuma	CL 6
Katashima	Toshima	CMc 7	Kiso Maru		XPG
Katoku	Toshima	CMc 3	Kitagami	Kuma	CL 5
Katori	Katori	CL(T) 1	Kiyokawa Maru	Kamikawa Maru	XAV 4
Katori Maru		XPG	Kiyonami	Takanami	DD 122

Name	Class	Symbol	Name	Class	Symbol
Kiyosumi Maru	Kiyosumi Maru	XCL 2	Kohoku Maru		AH 9
Koa Maru		XYN	Kokai Maru		XYN
Koa Maru No. 2		XYN	Kokko Maru		XYN
Koai Maru		XYN	Kokuto Maru		XPC
Kobi Maru		XYN	Komabashi		AS 1
Koei Maru		XCM 5	Kongo	Kongo	BB 1
Koei Maru		XYN	Kongo Maru		XAM
Koga Maru		XYN	Kongo Maru	Kiyosumi Maru	XCL 3
Kogi Maru		XYN	Kongosan Maru		XPG
Koho Maru No. 1-3		XAM	Korei Maru		XYN
Kohoku Maru		AH 9	Koshin Maru		XPC
Kokai Maru		XYN	Koshin Maru		XPC
Kokko Maru		XYN	Koshu		XPC
Kokuto Maru		XPC	Koshu		AGS 2
Komabashi		AS 1	Koto Maru		XPG
Kongo	Kongo	BB 1	Kotobuki Maru No. 3		XYN
Kongo Maru		XAM	Kotobuki Maru No. 5		XYN
Kongosan Maru		XPG	Kowa Maru		XPG
Korei Maru		XYN	Kozan Maru		XAM
Koshin Maru		XPC	Kubi Maru		XPC
Koshu		XPC	Kuma	Kuma	CL 3
Koshu		AGS 2	Kumano	Mogami	CA 16
Koto Maru		XPG	Kumano Maru		XYN
Kotobuki Maru No. 3		XYN	Kunajiri	Shimushu	PF 2
Kotobuki Maru No. 5		XYN	Kunikawa Maru	Kamikawa Maru	XAV 2
Kowa Maru		XPG	Kurahashi	Mikura	PF 20
Kozan Maru		XAM			
Kubi Maru		XPC			
Kuma	Kuma	CL 3			
Kumano	Mogami	CA 16			
Kumano Maru		XYN			
Kunajiri	Shimushu	PF 2			
Kunikawa Maru	Kamikawa Maru	XAV 2			
Kurahashi	Mikura	PF 20			

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Name	Class	Symbol	Name	Class	Symbol
Kuretake	Kuri-Wakatake	ODD 24	Matsuwa	Shimushu	PF 6
Kuri	Kuri-Wakatake	ODD 7	Maya	Atago	CA 12
Kurihashi		ARS 1	Meigen Maru No. 16, 17		XPC
Kurokami	Toshima	CMc 8	Meiji Maru No. 1		XPG
Kuroshima	Toshima	CMc 2	Mejima Maru	Asashio-Kagero	XAM
Kuroshio	Asashio-Kagero	DD 88	Michishio		DD 79
Kurozaki	Toshima	CMc 10	Mikasa Maru		AH 16
Kusakaki	Mikura	PF 24	Mikatsuki	Mutsuki	DD 34
Kyo Maru No. 1, 3		XAM	Mikura	Mikura	PF 17
Kyo Maru No. 2, 6-8, 10, 13		XPC	Minamiura Maru		XPG
Kyodo Maru		XAG	Minatsuki	Mutsuki	DD 32
Kyonin Maru No. 1, 2, 3, 5		XAM	Minegumo	Asashio-Kagero	DD 82
Kyosai	Sokuten	CMc 19	Minekaze	Minekaze	DD 1
Kyuryu Maru		XPC	Minsei Maru		XCM 6
			Misago Maru		XAM
			No. 1, 3, 8, 11		
			Miyake	Mikura	PF 18
			Miyu Maru		XAM
			Miyuki	Fubuki	DD?
			Mizuho Maru		AH 7
			Mochitsuki	Mutsuki	DD 35
			Mogami	Mogami	CA 13
			Mogamigawa Maru	Fujikawa Maru	XAPV 3
			Mokuto Maru		XPC
			Momo	Momo	ODD 1
			Moroshima	Yurishima	CMc 25
			Moth (see Suma)		PR 13
			Mung Chi		PG 3
			(see Asuga)		
			Murakumo	Fubuki	DD 44
			Murasame	Hatsuharu-Shigure	DD 68
			Muro Maru		AH 14
			Muroto	Muroto	AF 4
			Musashi	Yamato	BB 12
			Musashi Maru		PF 12
			Musha Maru		XAS 1
			Mutsu		XPG
			Mutsuki		XYN
			Mutsure		XARS 1
			Matsuei Maru		DD 19
			Matsukaze	Kamikaze	

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Name	Class	Symbol	Name	Class	Symbol
N			Nachi	Nachi	CA 5
Nadake			Nadakaze	Minekaze	DD 12
Nagae Maru		XYN	Naganami	Takanami	DD 118
Naganami		CL 9	Nagara	Natori	XYN
Nagara Maru		XPG	Nagata Maru		BB 9
Nagato		PF 17	Nagato	Nagato	XPC
Nagato Maru		XPG	Nagatsuki	Mutsuki	DD 33
Nagaura		ARS 5	Nagaura		XAPV 8
Nagoya Maru		CL 17	Naka	Sendai	XPG
Nakkai Maru		DD 13	Nakkai Maru		DD 13
Namikaze	Minekaze	XPG	Namokaze		XPC
Nampo Maru		CMc 20	Nanko Maru		XAM
Nariu	Sokuten	AO 10	Naruo Maru		XAPV 9
Naruto	Shiretoko	CMc 15	Naruto Maru		ODD 4
Naruto Maru		CL 8	Nasami	Natsushima	DD 83
Nasami	Natsushima	CMc 14	Nash	Natsushima	DD 91
Natori	Natsushima	DD 62	Natori	Natsushima	XCM 3
Natsugumo	Asashio-Kagero	DD 83	Natsushima	Natsushima	XPG
Natsushima	Natsushima	DD 114	Natsushio	Natsushima	DD 114
Natsushio	Natsushima	CL	Nenohi	Hatsuharu-Shigure	CMc 11
Nenohi	Hatsuharu-Shigure	XPC	Nichiyu Maru		XPC
Nichiyu Maru		DD 44	Nihonkai Maru		DD 68
Nihonkai Maru		DD 68	Niitsuki	Terutsuki	DD 114
Niitsuki		AH 14	Ning Hai	Ning Hai	CL
Ning Hai		AF 4	Ninoshima	Toshima	CMc 11
Ninoshima		BB 12	Nippon Maru No. 2		XPC
Nippon Maru No. 2		XAM	Nire	Kuri-Wakatake	ODD 8
Nire		BB 10	Niro Maru		XYN
Niro Maru		DD 25	Nissho Maru No. 2, 12, 16		XPG
Nissho Maru No. 2, 12, 16		PF 9			
		CA 7			

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Name	Class	Symbol	Name	Class	Symbol
Nissho Maru No. 3, 5		XYN	Ose		AO
Nissho Maru No. 6		XPC	Osei Maru		XYN
Nisso Maru		XAS 8	Oshima		AR 3
Nisui Maru		XPC	Oshio	Asashio-Kagero	DD 78
Nitta Maru (see Chuyo)			Otake	Otake	CVE 1
Nitto Maru No. 3, 5, 8-12, 15-22		XPC	Otomari		AG 2
Niura Maru		XAM	Otori	Otori	TB 5
Nohi Maru		XPC	Otowa Maru		XAM
Nojima	Muroto	AF 5	Owari		BB?
Nokaze	Minekaze	DD 15	Oyashio	Asashio-Kagero	DD 89
Noni Maru		XPC	Oyo Maru		XPC
Noshiro	Agano	CL 23	Oyodo		CL 22
Noshiro Maru		XCL 1			
Noshiro Maru No. 2		XAM			
Notoro		CVS 1	P		
Notto Maru No. 3		XPC	Pattani	Trad	TB
Nowaki	Asashio-Kagero	DD 100	PC 1-3	PC 1	PC
Noyagi Maru		XPC	PC 4-12	PC 4	PC
Numakaze	Minekaze	DD 14	PC 13-49	PC 13	PC
Nuwashima	Yurishima	CMc 23	PC 50-60	PC 50	PC
			Peking Maru		XPG
			Phra Ruang	"Thornycroft"	DD
			Ping Hai	Ning Hai	CL
			PT 1-6	PT-1	PT
			PT 101-113	PT-101	PT
			Puket	Trad	TB
			PT10—	PT-10	PT
			PT201—	PT-201	PT
O			R		
Oboro	Fubuki	DD 53	Ransan Maru		XAM
Odate	Hashima	ARC 4	Ranyo Maru		XPC
Oi	Kuma	CL 7	Ratanakosindra	Ratanakosindra	
Oi Maru		XAM	Rayong	Trad	TB
Oite	Kamikaze	DD 22	Reisui Maru		XAM
Oki	Shimushu	PF 8	Rikoku Maru		XPG
Okikaze	Minekaze	DD 2	Rikuzen Maru		XAM
Okinami	Takanami	DD 126	Rio De Janeiro Maru		XAS 5
Okinoshima		CM 6	RO 29-32	RO-29	SM
Okitsu Maru		XAV 7			
Okuyo Maru		XPG			
Onami	Takanami	DD 120			
Ondo	Shiretoko	AO 8			
Op Ten Noort (see Teno Maru)		AH 15			

Name	Class	Symbol
RO 33-34	RO-33	OSS
RO 35	RO-35	OSS
RO 57-59	RO-57	OSS
RO 60-68	RO-60	OSS
RO 100	RO-100	OSS
RO 500	RO-500	SS
Rokko Maru		XAM
Rokuan	Hayazaki	AO 14
Royo Maru		XPC
Rumoi Maru		XAM
Ruyi Maru		XPC
Ryo Maru		XPC
Ryosui Maru		XPC
Ryuhō	Zuiho	CVL 4
Ryui Maru		XPC
Ryuko Maru		AH 20

S		
Sado	Shimushu	PF 7
Saga		PG 2
Sagara Maru	Sanuki Maru	XAV 9
Sagi	Otori	TB 10
Sagiri	Fubuki	DD 51
Sagishu Maru		XPC
Saigon Maru	Bangkok Maru	XCL 6
Saikyo Maru		XPG
Saishu	Yurishima	CMc 31
Saishu Maru No. 1, 2, 6, 7		XAM
Samidare	Hatsuharu-Shigure	DD 71
Samui		AO
Sanaye	Kuri-Wakatake	DD 25
Sankyo Maru		XPC
Sansui Maru		XYN
Santo Maru		XPG
Santos Maru (see Manju Maru)		XAS
Sanuki Maru		XAV 8
Sanyo Maru		XAV 5

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Name	Class	Symbol
Saruhashi		ARS 3
Sarushima	Natsushima	CMc 16
Sata	Shiretoko	AO 4
Satsuki	Mutsuki	DD 26
Sawakaze	Minekaze	DD 4
Sawarabi	Kuri-Wakatake	DD (?)
Sazanami	Fubuki	DD 55
SCS 1-50	SCS 1	SCS
SCS 51-100	SCS 51	SCS
SCS 101-117	SCS 101	SCS
SCS 151-165	SCS 151	SCS
Seattle Maru		AH 4
Seian Maru		XYN
Seikai Maru		XPG
Seiko Maru		XYN
Seikyo Maru		XPG
Sendai	Sendai	CL 15
Senyo Maru		XPG
Senyu Maru No. 2		XAM
Senyu Maru No. 3		XAM
Seta	Hira	PR 5
Settsu		AG 1
Shigure	Hatsuharu-Shigure	DD 66
Shikinami	Fubuki	DD 46
Shimakaze	Minekaze	DD 3
Shimotsuki	Terutsuki	DD 111
Shimpei Maru No. 1		XPC
Shimushu	Shimushu	PF 1
Shinfuku Maru		XPG
Shinko Maru		XCM 8
Shinko Maru		XPC
Shinko Maru No. 1		XPG
Shinko Maru No. 2		XPG
Shinkyo Maru		XPG
Shinonome	Fubuki	DD 38
Shinran Maru		XPC
Shinsho Maru		XAGP 2
Shinto Maru No. 2		XYN
Shintoshoku Maru		XAM
Shiokaze	Minekaze	DD 10

Name	Class	Symbol
Shiragane		ARS 4
Shirakami	Sokuten	CMc 18
Shirakumo	Fubuki	DD 41
Shiranami	Takanami	DD 128
Shiranuhi	Asashio-Kagero	DD 87
Shirataka		CM 3
Shiratsuyu	Hatsuharu-Shigure	DD 67
Shirayuki	Fubuki	DD 39
Shiretoko	Shiretoko	AO 2
Shiriya	Shiretoko	AO 6
Shitamatsu Maru		XYN
Shoei Maru		XPG
Shoei Maru		XYN
Shoei Maru No. 2		XPG
Shofuku Maru		XPC
Shofuku Maru		XYN
Shoho	Zuiho	CVL 3
Shokaku	Shokaku	CV 6
Shoko Maru		XPG
Shonan Maru No. 1-8, 11, 12, 15, 17		XPC
Shonan Maru No. 16		XAM
Shosei Maru		XPG
Shosei Maru		XYN
Shotoku Maru		XPG
Showa Maru		XPC
Showa Maru No. 2, 3, 5, 6		XPC
Showa Maru No. 7, 8		XAM
Shuri Maru		XAGP 1
Siberia Maru		AH 5
Silvercypress (see Yasukawa Maru)		XAV 6
Sinsamudar	Virun	SS
Sobun Maru		XPC
Sokuten	Sokuten	CMc 17
Sonobe Maru		XAM
Sosui Maru		XPC
Soya		AGS 4

ALPHABETICAL INDEX

Name	Class	Symbol
Soyo Maru		XAS 9
Sozan Maru		XPC
Sri Ayudhya	Dhamburi	
Suijo Maru		XPC
Sukhodaya	Ratanakosindra	PR 13
Suma		PR 8
Sumida	Sumida	DD 22
Sumire	Kuri-Wakatake	AO 1
Sunosaki		TB
Surasdra	Trad	DD 73
Suzukaze	Hatsuharu-Shigure	DD 119
Suzuki	Kuri-Wakatake	DD 110
Suzunami	Takanami	CA 15
Suzutsuki	Terutsuki	
Suzuya	Mogami	
T		
Tachibana Maru		AH 21
Tachikaze	Minekaze	DD 11
Tade	Kuri-Wakatake	DD 20
Tahchin	Tahchin	PG
Taian Maru	(see Ryuhō)	XAM
Taigei		XAM
Taihei Maru		CV 10
Taiho		XAM
Taiko Maru		XYN
Taishu Maru		AV 1
Takachiho		XCM 7
Takachiho Maru		DD 115
Takanami	Takanami	CA 10
Takao	Atago	XAM
Takasago Maru		AH 22
Takasago Maru	Zuiho	CVL 2
Takasaka		XAPV10
Takasaka Maru	Yurishima	CMc 27
Takashima		XAM
Takushima Maru No. 2, 3		DD 5
Take	Kuri-Wakatake	XAM
Takunan Maru		No. 1, 3, 8

ALPHABETICAL INDEX

Name	Class	Symbol
Takunan Maru No. 2, 5-7, 10	Kuma	XPC
Tama		CL 4
Tama Maru		XAM
Tama Maru No. 3, 5-7		XAM
Tama Maru No. 8	Takanami	XPC
Tamae Maru		XYN
Tamanami		DD 123
Tamasono Maru No. 1-3		XAM
Tamura Maru	Asashio-Kagero	XAM
Tanikaze		DD 102
Tatara		PR 11
Tateishi		ARC 3
Tatsu Maru	Hashima	XYN
Tatsuharu Maru	Tatsuharu Maru	XCM 9
Tatsumiya Maru	Tatsuharu Maru	XCM 10
Tatsuta	Tenryu	CL 2
Teiun Maru	Tenryu	XPG
Teno Maru		AH 15
Tenryu		CL 1
Tenyo Maru		XCM 1
Tenzan Maru No. 2		XPC
Terushima Maru	Terutsuki	XPG
Terutsuki		DD 108
Thracian		Admiralty "S"
Toba		PR 1
Toga Maru	Asashio-Kagero	XAM
Tokitsukaze		DD 96
Tokiwa		CM 1
Tokiwa Maru		XPG
Toko Maru No. 1		XYN
Tokoho Maru No. 5, 10		XAM
Tokunan Maru No. 5		XPC
Tomitsu Maru	Chidori	XPG
Tomozuru		TB 3
Tone		CA 17
Tone		Tone

Name	Class	Symbol
Torijima Maru		XAM
Tosan Maru		XPG
Toseki Maru		XPC
Toshi Maru		XAM
Toshi Maru No. 2, 5, 7, 8	Toshima	XAM
Toshi Maru No. 3		XPC
Toshima		CMc 1
Tosho Maru		XPG
Toyo Maru		ARC 5
Toyo Maru No. 3		XYN
Toyokuni Maru		XPG
Trad		TB
Tsubame	Trad	CMc 12
Tsuga	Kuri-Wakatake	ODD 12
Tsurugisaki	(see Shoho)	
Tsukai Maru		XPC
Tsukushi		AGS 3
Tsurumi	Shiretoko	AO 5
Tsuran Maru		XPC
Tsurushima	Hashima	ARC 2
Tsushima	Shimushu	PF 14
Tsuta	Kuri-Wakatake	ODD 17

U

Name	Class	Symbol
Uji	Hashidate	PG 7
Uji Maru		XYN
Unkai Maru		XPG
Ukishima	Sokuten	CMc 21
Ukishima Maru		XCL 4
Umikaze	Hatsuharu-Shigure	DD 75
Unyo	Otake	CVE 2
Unyo Maru		XPG
Urai Maru		XPC
Urakami Maru		XAS 7
Urakaze	Asashio-Kagero	DD 97
Ural Maru		AH 18
Uranami	Fubuki	DD 49
Ushio	Fubuki	DD 52

Name	Class	Symbol
Usugumo	Fubuki	DD 40
Uzuki	Mutsuki	DD 29
V		
"V" Type, Fuel Oil Barge		
Virun	Virun	SS
W		
"W" Type, Fuel Oil Barge		
Wabi Maru		XPC
Wakaba	Hatsuharu-Shigure	DD 63
Wakamiya	Shimushu	PF 10
Wakamiya Maru		XYN
Wakataka	Hatsutaka	CM 9
Wakatake	Kuri-Wakatake	ODD 23
Wakatsuki	Terutsuki	DD 113
Wake (see Tatara)		PR 11
Washizaki	Toshima	CMc 5
Witte De With	Van Ghent	DD

X

"X" Type, Fuel
Oil Barge

Y

Name	Class	Symbol
"Y" Type, Fuel Oil Barge		
Yachiyo Maru		XAM
Yaeyama		CM 5
Yahagi	Agano	CL 24
Yakaze	Minekaze	DD 6
Yakumo		OCA 2
Yamabato Maru		ARC 6
Yamabiko Maru		XARS 3
Yamagumo	Asashio-Kagero	DD 81
Yamakaze	Hatsuharu-Shigure	DD 72

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Name	Class	Symbol
Yamato	Yamato	BB 11
Yanagi	Momo	ODD 3
Yasukawa Maru		XAV 6
Yasukuni Maru		XAS 2
Yat Sen		PG
Yawata Maru (see Unyo)		
Yayoi	Mutsuki	DD 28
Yobai Maru		XPC
Yodo		AGS 1
Yodohashi		ARS 2
Yoko Maru		XPC

Name	Class	Symbol
Yomogi	Kuri-Wakatake	ODD 21
Yoshida Maru		XPG
Yoshido Maru		XAM
Yoshino Maru		AH 2
Yubari		CL 14
Yudachi	Hatsuharu-Shigure	DD 69
Yugao	Kuri-Wakatake	ODD 29
Yugiri	Fubuki	DD 50
Yugumo	Asashio-Kagero	DD 104
Yugure	Hatsuharu-Shigure	DD 65
Yukaze	Minekaze	DD 8
Yukikaze	Asashio-Kagero	DD 92
Yunagi	Kamikaze	DD 24

Name	Class	Symbol
Yura	Natori	CL 11
Yurushima	Yurushima	CMc 22
Yushio Maru		XARS 7
Yuzuki	Mutsuki	DD 36
Z		
Zuiho	Zuiho	CVL 2
Zuikaku	Shokaku	CV 7
Zuiko Maru		XPC
Zuiko Maru		XPG
Zuisho Maru		XYN

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- ONI 206 —Warships of the Minor European Navies
- ONI 222 —Statistical Data on Navies
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- ONI 223-M —Merchant Ship Shapes—A Merchant Ship Primer
- ONI 229, JAN No. 3 { —Japanese Merchant Shipping Tonnage and Identification
—Japanese Warship Recognition

UNIFORMS

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Manual of Merchant Ships
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ONI 41-42

JAPANESE NAVAL VESSELS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION

ONI 41-42—JAPANESE NAVAL VESSELS

1. ONI 41-42, Japanese Naval Vessels, is now issued for the first time in the standard loose-leaf form so as to provide greater flexibility and to permit it being incorporated, in whole or part, in the standard U. S. Navy Task Binder. For greater compactness the earlier separate editions of ONI 41 (Surface Views) and ONI 42 (Aerial Views) are now combined for the first time in one manual.
2. As presently issued, ONI 41-42 does not provide complete coverage for the Japanese Navy, and the older editions should be retained until all extant ships described therein have been issued in the new edition. Thereafter the older manuals can be retained or disposed of as the Commanding Officer may elect. A Table of Contents, to be included in an early shipment, will serve as a guide in determining the coverage of this new manual at all times. Under the ever-changing conditions of war it is not now possible, and it never will be possible, to provide complete and definitive coverage for any of the world's navies. While old ships are being lost and new ships are being completed, the vessels in service are constantly being altered in appearance.
3. While the first purpose of all these ONI manuals on the men-of-war of the principal naval powers is for timely and un-

mistakable identification and the early estimation of target angle, it is believed that they can be of great tactical value. This and future editions, therefore, will include not only photographs and other illustrations but will contain data regarding the military characteristics of enemy men-of-war. Through these publications and similar media the Division of Naval Intelligence for several months has been trying to provide the fighting forces with all possible information that will assist them in determining whether the stranger is friend or foe and, if the latter, to provide the data for striking under favorable conditions or otherwise reaching a sound decision.

4. ONI 41-42 is being prepared from the best information available to the Navy Department. In the main it is based upon published material and reconnaissance photographs. Except for fragmentary addenda which may be uncovered, the first source has been exhausted. It is expected that future editions will derive largely from reconnaissance photographs and contributions (sketches and descriptions) from combat personnel. Thus, since the proper means are at hand for analyzing, processing, publishing and promptly distributing these manuals, their value will be almost entirely dependent upon the quantity and quality of material received from the Front.

/S/ H. C. TRAIN
CAPTAIN, U. S. NAVY
DIRECTOR OF NAVAL INTELLIGENCE

CHARTS

- 1. PANORAMA OF THE JAPANESE NAVY
- 2. PRINCIPAL COMBATANT TYPES
- 3. CHARACTERISTICS OF JAPANESE NAVAL VESSELS
- 4. NIP NOTES
- 5. MISTAKEN IDENTITY
- 6. JAPANESE NAVAL ORDNANCE
- 7. JAPANESE NAVAL AIRCRAFT
- 8. JAPANESE RAIDERS
- 9. JAPANESE NAVAL CAMOUFLAGE
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- 2. LIST OF NAVAL VESSELS BY DESIGN CLASSES
- HISTORY OF JAPANESE NAVY

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- BB 5 FUSO
- BB 6 YAMASHIRO
- BB 7, 8 ISE CLASS
- BB 9-10 NAGATO CLASS
- BB 11 YAMATO
- BB 12 MUSASHI
- CV 1 HOSHO
- CV 4 RYUJO
- CV 7, 8 SHOKAKU CLASS
- CV 9 ZUIHO
- CV 11, 12 HITAKA CLASS
- CVS 1 NOTORO
- CVS 2 KAMOJ
- CVS 3, 4 CHITOSE CLASS
- CVS 6, 7 MIZUHO CLASS

- CA 1, 2 FURUTAKA CLASS
- CA 3, 4 AOKI CLASS
- CA 5-8 NACHI CLASS
- CA 9, 10 ATAGO CLASS A
- CA 11, 12 ATAGO CLASS B
- CA 13-16 MOGAMI CLASS
- CA 17, 18 TONE CLASS
- CA 19 AGANO
- CL 1, 2 TENRYU CLASS
- CL 3-7 KUMA CLASS
- CL 8-13 NATORI CLASS
- CL 14 YUBARI
- CL 15-17 SENDAI CLASS
- CL 18-20 KATORI CLASS
- DD 1-15 MINEKAZE CLASS
- DD 16-24 KAMIKAZE CLASS
- DD 25-36 MUTSUKI CLASS
- DD 37-44 FUBUKI CLASS (SHINONOME GROUP)
- DD 45-55 FUBUKI CLASS (AMAGIRI GROUP)
- DD 56-59 FUBUKI CLASS (HIBIKI GROUP)
- DD 60-65 HATSU HARU CLASS
- DD 66-75 SHIGURE CLASS
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- DD 23-29 WAKATAKE CLASS

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- SS 15-18 I-1 CLASS
- SS 19-21 I 165 CLASS
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DIVISION OF NAVAL INTELLIGENCE
IDENTIFICATION AND CHARACTERISTICS SECTION
DECEMBER, 1942



N
I
P
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E
S

when **JAP BBs**

sail off to glory

they almost always

add a story



KONGO CLASS—BB 1-4



FUSO—BB 5



YAMASHIRO—BB 6



ISE CLASS—BB 7-8



NAGATO CLASS—BB 9-10



HOSHO—CV 1



AKAGI—CV 2



KAGA—CV 3



RYUJO—CV 4



SORYU CLASS—CV 5-6



SHOKAKU CLASS—CV 7-8

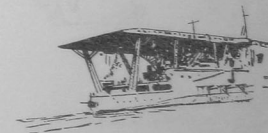


if they have upper works at all

the **JAP'S CV'S** are very small



and bow or stern
approach to some
suggests a
nagasaki slum



the **NIPS** big cruisers'
forward stack
is always fat
and falling back



FURUTAKA CLASS—CA 1-2



AOBA CLASS—CA 3-4



NACHI CLASS—CA 5-8



ATAGO CLASS A—CA 9-10



ATAGO CLASS B—CA 11-12



MOGAMI CLASS—CA 13-16

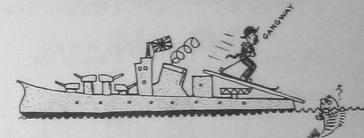


TONE CLASS—CA 17-18



CHIKUMA is a **TONE(Y)** craft

four turrets fore, a ski-slide aft



it's well with these

in mind to carry

the "hornpipe" of

CL YUBARI

YUBARI—CL 14



HEAVY CRUISERS

the **NIPS** big cruisers'

forward stack

is always fat

and falling back



FURUTAKA CLASS—CA 1-2



AOBA CLASS—CA 3-4



NACHI CLASS—CA 5-8



ATAGO CLASS A—CA 9-10



ATAGO CLASS B—CA 11-12



MOGAMI CLASS—CA 13-16



TONE CLASS—CA 17-18



HEAVY CRUISERS

CHIKUMA is a **TONE(Y)** craft

four turrets fore, a ski-slide aft



it's well with these

in mind to carry

the "hornpipe" of

CL YUBARI

YUBARI—CL 14



LIGHT CRUISERS



NATORI CLASS—CL 8-13

all the **NATORI** cruisers show
three stocky nippos in a row



SENDAI CLASS—CL 15-17

and **SENDAI** with her sisters bore,
when last observed, a row of four



KUMA CLASS—CL 3-7



TENRYU CLASS—CL 1, 2

the **KUMA** class
has for its share
three stacks wide-flared
for anti-flare



DESTROYERS



ASASHIO CLASS—DD 76-85 KAGERO CLASS—DD 86-117



SHIGURE CLASS—DD 66-75



MINEKAZE CLASS—DD 1-15



WAKATAKE CLASS—DD 23-29



HATSUHARU CLASS—DD 60-65



FUBUKI—DD 37-59



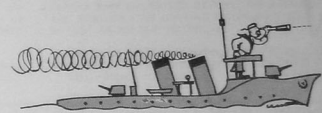
KAMIKAZE CLASS—DD 16-24



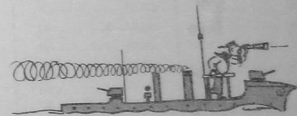
MOMI CLASS—DD 4-22



MOMO CLASS—DD 1-3



the newer **NIP DD** combines
sharp raking stacks and wavy lines



the older ships have upright stacks
and all their bows have turtle-backs

NOTES

ONI 41-42

ESTIMATION OF RANGE BY OBSERVING THE AMOUNT OF SHIP SEEN ABOVE OR BELOW THE HORIZON.

EXPLANATION—TABLE OF DISTANCES OF SEA HORIZON.

THE DISTANCE CORRESPONDING TO THE POSITION AT WHICH THE HORIZON LINE CUTS THE SHIP PROFILE SHOULD BE FILLED IN FROM THE TABLE FOR THE OBSERVER AS FOLLOWS:

THE COLUMN "SHIP BEYOND THE HORIZON" SHOULD SHOW THE SUM OF THE DISTANCES OF THE SEA HORIZON (a) FOR HEIGHT OF EYE, (b) FOR HEIGHTS OF THE RESPECTIVE HORIZON LINES BEHIND THE PROFILE.

THE COLUMN "HORIZON BEYOND THE SHIP" SHOULD SHOW THE DIFFERENCE OF THESE TWO DISTANCES.

RANGE TABLE

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—OCTOBER, 1942

EXAMPLE—THE OBSERVER'S HEIGHT OF EYE IS 79 FEET. A SHIP IS SIGHTED BEYOND THE HORIZON WITH THE HORIZON LINE CUTTING ITS PROFILE AT A POINT 15 FEET ABOVE THE WATERLINE.

DISTANCE OF SEA HORIZON FOR 79' = 20,610 YDS.
DISTANCE OF SEA HORIZON FOR 15' = 8,980 YDS.
SUM = RANGE OF SHIP = 29,590 YDS.

HEIGHT IN FEET	DISTANCE OF SEA HORIZON	HEIGHT IN FEET	DISTANCE OF SEA HORIZON	HEIGHT IN FEET	DISTANCE OF SEA HORIZON	HEIGHT IN FEET	DISTANCE OF SEA HORIZON	HEIGHT IN FEET	DISTANCE OF SEA HORIZON	HEIGHT IN FEET	DISTANCE OF SEA HORIZON
1	2,320	21	10,630	41	14,840	61	18,110	81	20,870	101	23,300
2	3,280	22	10,880	42	15,020	62	18,260	82	20,990	102	23,420
3	4,020	23	11,120	43	15,200	63	18,400	83	21,120	103	23,530
4	4,640	24	11,360	44	15,380	64	18,550	84	21,250	104	23,640
5	5,190	25	11,590	45	15,550	65	18,690	85	21,380	105	23,760
6	5,680	26	11,820	46	15,720	66	18,840	86	21,500	106	23,870
7	6,140	27	12,050	47	15,890	67	18,980	87	21,630	107	23,980
8	6,560	28	12,270	48	16,060	68	19,120	88	21,750	108	24,090
9	6,960	29	12,490	49	16,230	69	19,260	89	21,870	109	24,200
10	7,330	30	12,700	50	16,400	70	19,400	90	21,990	110	24,320
11	7,690	31	12,910	51	16,560	71	19,540	91	22,120	111	24,430
12	8,030	32	13,120	52	16,720	72	19,670	92	22,240	112	24,540
13	8,360	33	13,320	53	16,880	73	19,810	93	22,360	113	24,650
14	8,680	34	13,520	54	17,040	74	19,940	94	22,480	114	24,750
15	8,980	35	13,720	55	17,200	75	20,080	95	22,600	115	24,860
16	9,280	36	13,910	56	17,350	76	20,210	96	22,720	116	24,970
17	9,560	37	14,100	57	17,500	77	20,340	97	22,830	117	25,080
18	9,840	38	14,290	58	17,660	78	20,480	98	22,950	118	25,180
19	10,110	39	14,480	59	17,810	79	20,610	99	23,070	119	25,290
20	10,370	40	14,670	60	17,960	80	20,740	100	23,180	120	25,400

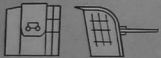
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ONI 41-42

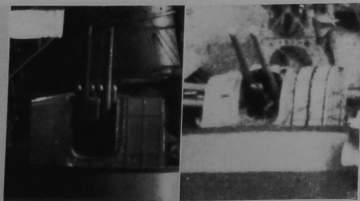
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JAPANESE NAVAL ORDNANCE
ONI 41-42 — RESTRICTED.

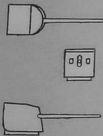
HEAVY CRUISERS



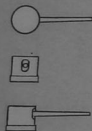
5" AA SHIELDED MOUNT



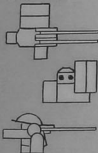
LIGHT CRUISERS
5.5" GUNSHIELD



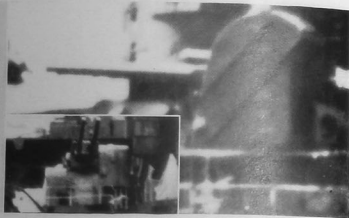
BATTLESHIPS
5.5" CASEMATES



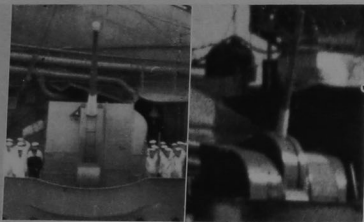
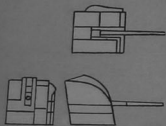
SEAPLANE TENDERS



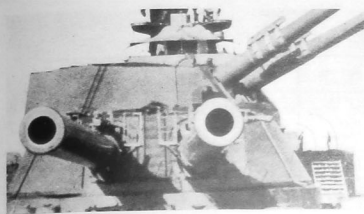
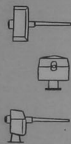
5" AA SHIELDED MOUNT



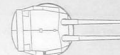
HEAVY CRUISERS
5" AA SHIELDED MOUNT



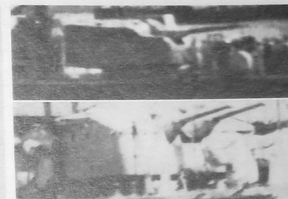
DESTROYERS, TB, AM
4.7" GUNSHIELD



BATTLESHIPS



16" TURRET

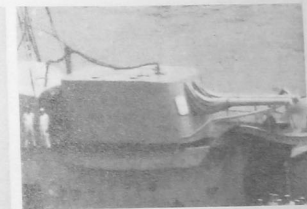
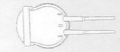


JAPANESE NAVAL ORDNANCE
ONI 41-42 — RESTRICTED.



5" GUN SHIELD — DESTROYERS

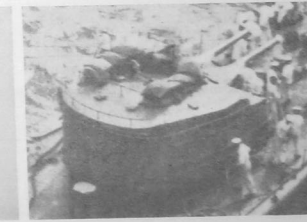
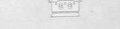
BATTLESHIPS
14" TURRET



CL YUBARI
5.5" GUN SHIELD



HEAVY CRUISERS
6" TURRET



DESTROYERS
5" GUN SHIELD





JAPANESE NAVAL ORDNANCE

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—JULY, 1943

SHIPS AND NUMBER OF ARMAMENT	NOMINAL BORE	CALIBER	ACTUAL BORE	WEIGHT PROJ. POUNDS	MUZZLE VELOCITY FT./SEC.	MAXIMUM ELEVATION
BB—TOSA, MUSASHI, OWARI, YAMATO—9	16"		16" ?			
BB—NAGATO CLASS—8	16"	45	16"	2,205	2,592	35°
BB—ISE, FUSO CLASSES—12, KONGO CLASS—8	14"	45	14"	1,400	2,592	35°
CA—AOBA CLASS—6, TONE CLASS—8, NACHI, ATAGO, MOGAMI—10	8"	50	7.87"	254	2,789	45°
OCA—IWATE CLASS, YAKUMO—4	8"	40	7.87"	100	2,580	35°
BB—KONGO CLASS—14, FUSO CLASS—16	6"	50	5.9"	100	2,789	45°
OCA—IWATE CLASS, YAKUMO—8	6"	40	5.9"	84	2,296	20°
BB—ISE CLASS—16, NAGATO CLASS—18, CV—HOSHO—4, CVS—KAMO—2 CL—TENRYU, KATORI CLASSES—4, KUMA, NATORI, SENDAI CLASSES—7 CL—YUBARI—6, SS—I 1-4, I 7, 8—2, I 9-41, I 121-124—1	5.5"	50	5.5"	63	2,789	45°
BB—KONGO, FUSO, ISE, NAGATO CLASSES—8 CV—SHOKAKU, HITAKA CLASSES—16, CVS—CHITOSE, MIZUHO CLASSES—4 CA—NACHI, MOGAMI, TONE CLASSES—8, CL—KATORI CLASS—2 DD—TERATSUKI CLASS—8, ASASHIO, FUBUKI CLASSES—6, HATSUHARU, SHIGURE CLASSES—5 SS—I 5, 6—1	5"	50	5.12"	45	2,900	AA-85°
CVS—NOTORO—2, CA—FURUTAKA, AOBA, ATAGO CLASSES—4, NACHI CLASS—8	4.7"	50	4.72"	45	3,018	85°
DD—KAMIKAZE, MUTSUKI CLASSES—4	4.7"	50	4.72"	45	2,998	45°
DD—MINEKAZE CLASS—4, WAKATAKE, MOMI CLASSES—3	4.7"	45	4.72"	45	2,772	45°
SS—I 51-64, I 101, 104, I 171-175, I 179-185, RO 30-32—1	4.7"	40	4.72"		2,165	20°
SS—I 56, 66, I 78-82, I 168-170—1	4"	40	3.9"	12.5		
CV—HOSHO—2, CVS—CHITOSE CLASS—4, KAMO—2 CA—TONE CLASS—8, MOGAMI CLASS—4, OCA—IWATE CLASS, YAKUMO—1 CL—TENRYU CLASS, YUBARI—1, KUMA, SENDAI CLASSES—2 NATORI CLASS—3 SS—RO 33-37, RO 57-59—1	3.15"	40	3.15"		2,231	AA-85°
OCA—IWATE CLASS, YAKUMO—4, SS-RO 60-68, RO 100-103—1	3"	25	2.97"			

SIMPLIFIED SILHOUETTES



BATTLESHIPS-BB



KONGO CLASS



FUSO CLASS



ISE CLASS



NAGATO CLASS

HEAVY CRUISERS-CA



NACHI CLASS



ATAGO CLASS



ATAGO CLASS
CHOKAI-MAYA GROUP



MOGAMI CLASS



AOBA CLASS



TONE CLASS

LIGHT CRUISERS-CL



KATORI CLASS



KUMA-NATORI CLASSES



TENRYU CLASS



SENDAI CLASS

AIRCRAFT CARRIERS-CV



SHOKAKU CLASS



HOSHO



MUTSUKI-KAMIKAZE CLASSES



MINEKAZE-WAKATAKE-MOMI
CLASSES



SHIGURE CLASS

DESTROYERS-DD



ASASHIO CLASS



TERUTSUKI CLASS



FUBUKI CLASS
AMIGIRI GROUP



FUBUKI CLASS
SHINONOME-HIBIKI GROUPS

SEAPLANE CARRIERS-CVS



MIZUHO CLASS



CHITOSE CLASS



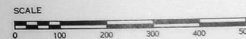
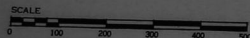
HATSUHARU CLASS



CHIDORI-OTORI CLASSES



YUBARI-CL



JAPANESE NAVAL VESSELS



DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942

JAPANESE NAVAL VESSELS — LIST BY DESIGN CLASSES

NOTE—WHERE TWO OR MORE VESSELS ARE KNOWN TO BE BUILT TO A COMMON DESIGN, THEY ARE GROUPED UNDER THE NAME SHIP OF THE CLASS.

—VESSELS NOT SO GROUPED ARE INDICATED AS HAVING SEPARATE APPEARANCE BY BOLDER TYPE

—THE SPELLING OF SHIP NAMES IS THE MOST PHONETIC VERSION, ADOPTED BY THE U. S. NAVY. NAMES IN PARENTHESES ARE A NEWER SPELLING, NOT PHONETIC; THIS SPELLING IS SHOWN TO AVOID CONFUSION.

—NO NOTATION INDICATES AVAILABLE VESSELS; OTHER NOTATIONS ARE SELF-EXPLANATORY.

PRINCIPAL COMBATANT TYPES

BATTLESHIPS

KONGO CLASS:

BB1	KONGO	
BB2	HIYEI	
BB3	KIRISHIMA	(KIRISIMA)
BB4	HARUNA	

FUSO CLASS:

BB5	FUSO	(HUSO)
BB6	YAMASHIRO	(YAMASIRO)

ISE CLASS:

BB7	ISE
BB8	HYUGA

NAGATO CLASS:

BB9	NAGATO	
BB10	MUTSU	(MUTU)
BB11	YAMATO	
BB12	MUSASHI	
BB13	TOSA (?)	—REPORTED BUILDING
BB14	OWARI (?)	—REPORTED BUILDING

AIRCRAFT CARRIERS

CV1	HOSHO	(HOSYO)	
CV2	AKAGI		—CONVERTED FROM CC; WAR LOSS
CV3	KAGA		—CONVERTED FROM BB; WAR LOSS
CV4	RYUJO	(RYUZOYO)	—REPORTED WAR LOSS

SORYU CLASS:

CV5	SORYU		—WAR LOSS
CV6	HIRYU		—WAR LOSS

SHOKAKU CLASS

CV7	SHOKAKU	(SYOKAKU)
CV8	ZUIKAKU	

ZUIHO CLASS

CV9	ZUIHO	(EX TAKASAKI; EX-AS, EX-AO)
CV10	SHOHO	(EX TSURUGIZAKI; EX-AS, EX-AO) —WAR LOSS

HITAKA CLASS

CV11	HITAKA	(EX IZUMO MARU, CONVERTED WHILE BUILDING)
CV12	HAYATAKA	(EX KASHIWARA MARU, CONVERTED WHILE BUILDING)

NOTE—AT LEAST TWO REGULAR AIRCRAFT CARRIERS ARE BELIEVED BUILDING.

SEAPLANE CARRIERS

CVS1	NOTORO	(EX-AO)
CVS2	KAMOI	(EX-AO)

CHITOSE CLASS

CVS3	CHITOSE	(TITOSE)
CVS4	CHIYODA	(TIYODA)

MIZUHO CLASS

CVS5	MIZUHO	(MIDUHO)	—REPORTED WAR LOSS
CVS6	NISSHIN	(NISSIN)	
CVS7	AKITSUSHIMA	(AKITUSIMA)	

NOTE—AT LEAST TWO SEAPLANE CARRIERS ARE BELIEVED BUILDING.

HEAVY CRUISERS

FURUTAKA CLASS

CA1	FURUTAKA	(HURUTAKA)	—REPORTED WAR LOSS
CA2	KAKO		—WAR LOSS

AOBA CLASS

CA3	AOBA
CA4	KINUGASA

HEAVY CRUISERS (Continued)

NACHI CLASS

CA5	NACHI	(NATI)
CA6	HAGURO	
CA7	MYOKO	
CA8	ASHIGARA	(ASIGARA)

ATAGO CLASS

CA9	ATAGO	
CA10	TAKAO	
CA11	CHOKAI	(TYOKAI)
CA12	MAYA	

MOGAMI CLASS

CA13	MOGAMI	
CA14	MIKUMA	—REPORTED WAR LOSS
CA15	SUZUYA	
CA16	KUMANO	

TONE CLASS

CA17	TONE	
CA18	CHIKUMA	(TIKUMA)
CA19	AGANO	
CA20	OYODO (?)	—REPORTED BUILDING
CA21		—REPORTED BUILDING
CA22		—REPORTED BUILDING

NOTE—TWO ADDITIONAL UNIDENTIFIED HEAVY CRUISERS ARE CONSIDERED LOST.

LIGHT CRUISERS

TENRYU CLASS

CL1	TENRYU	
CL12	TATSUTA	(TATUTA)

KUMA CLASS

CL3	KUMA	
CL4	TAMA	
CL5	KITAGAMI	
CL6	KISO	
CL7	OI	

NATORI CLASS

CL8	NATORI	
CL9	NAGARA	
CL10	KINU	
CL11	YURA	

CL12	ISUZU	
CL13	ABUKUMA	
CL14	YUBARI	

SENDAI CLASS

CL15	SENDAI	
CL16	JINTSU	(ZINTU)
CL17	NAKA	

KATORI CLASS

CL18	KATORI	
CL19	KASHIMA	(KASIMA)
CL20	KASHII	(KASII)

CL21 TO 26

—REPORTED BUILDING

NOTE—EIGHT UNIDENTIFIED LIGHT CRUISERS ARE CONSIDERED LOST INCLUDING A UNIT OF THE SENDAI AND NATORI CLASSES.

DESTROYERS

MINEKAZE CLASS

DD1	MINEKAZE	
DD2	OKIKAZE	
DD3	SHIMAKAZE	(SIMAKAZE)
DD4	SAWAKAZE	
DD5	HAKAZE	
DD6	YAKAZE	
DD7	AKIKAZE	
DD8	YUKAZE	
DD9	HOKAZE	
DD10	SHIOKAZE	(SIOKAZE)
DD11	TACHIKAZE	(TATIKAZE)
DD12	NADAKAZE	
DD13	NAMIKAZE	
DD14	NUMAKAZE	
DD15	NOKAZE	

—REPORTED WAR LOSS

NOTE—TWO ADDITIONAL UNIDENTIFIED DESTROYERS ARE CONSIDERED LOST.

KAMIKAZE CLASS

DD16	KAMIKAZE	(EX NO. 1)
DD17	ASAKAZE	(EX NO. 3)
DD18	HARUKAZE	(EX NO. 5)
DD19	MATSUKAZE	(MATUKASE)
DD20	ASANAGI	(EX NO. 15)
DD21	HATAKAZE	(EX NO. 9)
DD22	OITE	(EX NO. 11)
DD23	HAYATE	(EX NO. 13) —REPORTED WAR LOSS
DD24	YUNAGI	(EX NO. 17)

DESTROYERS (Continued)

MUTSUKI CLASS

DD25	MUTSUKI	(MUTUKI)	(EX NO. 19)	—REPORTED WAR LOSS
DD26	SATSUKI	(SATUKI)	(EX NO. 27)	
DD27	KISARAGI		(EX NO. 21)	
DD28	YAYOI		(EX NO. 23)	—REPORTED WAR LOSS
DD29	UZUKI	(UDUKI)	(EX NO. 25)	
DD30	FUMITSUKI	(HUMITUKI)	(EX NO. 29)	
DD31	KIKUTSUKI	(KIKUTUKI)	(EX NO. 31)	
DD32	MINATSUKI	(MINATUKI)	(EX NO. 32)	
DD33	NAGATSUKI	(NAGATUKI)	(EX NO. 30)	
DD34	MIKATSUKI	(MIKATUKI)	(EX NO. 32)	
DD35	MOCHITSUKI	(MOTIDUKI)	(EX NO. 33)	
DD36	YUZUKI	(YUDUKI)	(EX NO. 34)	

FUBUKI CLASS (SHINONOME Group)

DD37	FUBUKI	(HUBUKI)
DD38	SHINONOME	(SINONOME)
DD39	SHIRAYUKI	(SIRAYUKI)
DD40	USUGUMO	
DD41	SHIRAKUMO	(SIRAKUMO)
DD42	ISONAMI	
DD43	HATSUYUKI	(HATUYUKI)
DD44	MURAKUMO	

FUBUKI CLASS (AMAGIRI Group)

DD45	AMAGIRI	
DD46	SHIKINAMI	(SIKINAMI)
DD47	AYANAMI	
DD48	ASAGIRI	
DD49	URANAMI	
DD50	YUGIRI	
DD51	SAGIRI	
DD52	USHIO	(USIO)
DD53	OBORO	
DD54	AKEBONO	
DD55	SAZANAMI	
DD—	MIYUKI	

—REPORTED WAR LOSS

—SUNK BY COLLISION, 1934

FUBUKI CLASS (HIBIKI Group)

DD56	HIBIKI	
DD57	IKAZUCHI	(IKADUTI)
DD58	INAZUMA	(INADUMA)
DD59	AKATSUKI	(AKATUKI)

JAPANESE NAVAL VESSELS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1947



HATSU HARU CLASS

DD60	HATSU HARU	(HATU HARU)
DD61	HATSUSHIMO	(HATUSIMO)
DD62	NENOH	—REPORTED WAR LOSS
DD63	WAKABA	—REPORTED WAR LOSS
DD64	ARIAKE	
DD65	YUGURE	

SHIGURE CLASS

DD66	SHIGURE	(SIGURE)
DD67	SHIRATSUYU	(SIRATUYU)
DD68	MURASAME	
DD69	YUDACHI	(YUDATI)
DD70	HARUSAME	—REPORTED WAR LOSS
DD71	SAMIDARE	—REPORTED WAR LOSS
DD72	YAMAKAZE	
DD73	SUZUKAZE	
DD74	KAWAKAZE	
DD75	UMIKAZE	

ASASHIO CLASS

DD76	ASASHIO	(ASASIO)
DD77	ARASHIO	(ARASIO)
DD78	OSHIO	(OSIO)
DD79	MICHISHIO	(MITISIO)
DD80	ASAGUMO	—REPORTED WAR LOSS
DD81	YAMAGUMO	
DD82	MINEGUMO	—REPORTED WAR LOSS
DD83	NATSUGUMO	(NATUGUMO)
DD84	KASUMI	
DD85	ARARE	

KAGERO CLASS

DD86	KAGERO	
DD87	SHIRANUHI	(SIRANUI)
DD88	KUROSHIO	(KUROSHIO)
DD89	OYASHIO	(OYASIO)
DD90	HATSUKAZE	(HATUKAZE)
DD91	NATSUSHIO	(NATUSIO)
DD92	YUKIKAZE	
DD93	HAYASHIO	(HAYASIO)
DD94	ISOKAZE	
DD95	AMATSUKAZE	(AMATUKAZE)

DESTROYERS (Continued)

DD96	TOKITSUKAZE	(TOKITUKAZE)
DD97	URAKAZE	
DD98	ARASHI	(ARASI)
DD99	HAGIKAZE	
DD100	NOWAKI	
DD101	HAMAKAZE	
DD102	TANIKAZE	
DD103	MAIKAZE	
DD104	YUGUMO	
DD105	AKIGUMO	
DD106	MAKIGUMO	
DD107	SHIMAKAZE	(SIMAKAZE)
DD108	KAZEGUMO	
DD109	AKITSUKI	(AKITUKI)
DD110	SUZUTSUKI	(SUZUTUKI)
DD111	TERATSUKI	(TERATUKI)
DD112	HATSUTSUKI	(HATUTUKI)
DD113	WAKATSUKI	(WAKATUKI)
DD114	ARAZUKI	
DD115	NAGANAMI	
DD116	MAKINAMI	
DD117	TAKANAMI	
DD	—UNKNOWN No. 1—NAMES & NUMBERS UNKNOWN	

MOMO CLASS

ODD1	MOMO	—REMOVED FROM LIST
ODD2	HINOKI	—REMOVED FROM LIST
ODD3	YANAGI	—REMOVED FROM LIST

MOMI CLASS

ODD4	HASHI	(NASI)	—REMOVED FROM LIST
ODD5	TAKE		—REMOVED FROM LIST
ODD6	KAYA		—REMOVED FROM LIST
ODD7	KURI		
ODD8	NIRE		—REMOVED FROM LIST
ODD9	AOI		—REMOVED FROM LIST
ODD10	KIKU		—REMOVED FROM LIST
ODD11	KAKI		—REMOVED FROM LIST
ODD12	TSUGA	(TUGA)	
ODD13	HAGI		—REMOVED FROM LIST
ODD14	SUSUKI		—REMOVED FROM LIST
ODD15	FUJI		—REMOVED FROM LIST
ODD16	ASHI	(ASI)	—REMOVED FROM LIST
ODD17	TSUTA	(TUTA)	—REMOVED FROM LIST
ODD18	HASU		

ODD19	HISHI	(HISI)	—REMOVED FROM LIST
ODD20	TADE		—REMOVED FROM LIST
ODD21	YOMOGI		—REMOVED FROM LIST
ODD22	SUMIRA		—REMOVED FROM LIST

WAKATAKE CLASS

ODD23	WAKATAKE	(EX NO. 2)
ODD24	KURETAKE	(EX NO. 4)
ODD25	SANAYE	(EX NO. 6)
ODD26	ASAGAO	(EX NO. 10)
ODD27	FUYO	(EX NO. 16)
ODD28	KARUKAYA	(EX NO. 18)
ODD29	YUGAO	(EX NO. 12) —REMOVED FROM LIST
ODD—	SAWARABI	(EX NO. 8) —FOUNDERED, 1932

NOTE—FROM 35 TO 40 OR SO DESTROYERS ARE CONSIDERED LOST, IDENTITY UNCERTAIN.

SUBMARINES

SS1	I-151	(EX I-51, EX NO. 44)
SS2	I-152	(EX I-52, EX NO. 51)

I-153 CLASS

SS3	I-153	(FORMERLY I-53 CLASS)
SS4	I-154	(EX I-53, EX NO. 64)
SS5	I-155	(EX I-54, EX NO. 77)
SS6	I-156	(EX I-55, EX NO. 78)
SS7	I-157	(EX I-56)
SS8	I-158	(EX I-57)
SS9	I-159	(EX I-58)
SS10	I-160	(EX I-59)
SS11	I-61	—WAR LOSS
SS12	I-162	—SUNK BY COLLISION, 1941
SS13	I-63	(EX I-62)
SS14	I-164	—SUNK BY COLLISION, 1939
		(EX I-64)

I-1 CLASS

SS15	I-1	(EX NO. 74)
SS16	I-2	(EX NO. 75)
SS17	I-3	(EX NO. 76)
SS18	I-4	

I-165 CLASS

SS19	I-165	(FORMERLY I-65 CLASS)
SS20	I-166	(EX I-65)
SS21	I-67	(EX I-66)
		—FOUNDERED, 1940

SUBMARINES (Continued)

SS22	I-5
SS23	I-6

I-168 CLASS

SS24	I-168	(EX I-68)
SS25	I-169	(EX I-69)
SS26	I-170	(EX I-70)
SS27	I-171	(EX I-71)
SS28	I-172	(EX I-72)
SS29	I-173	(EX I-73)
SS30	I-174	(EX I-74)
SS31	I-175	(EX I-75)

I-7 CLASS

SS32	I-7
SS33	I-8

I-9 CLASS

SS34	I-9
SS35	I-10
SS36	I-11
SS37	I-12
SS38	I-13
SS39	I-14
SS40	I-15
SS41	I-16
SS42	I-17
SS43	I-18
SS44	I-19
SS45	I-20
SS46	I-21
SS47	I-22
SS48	I-23
SS49	I-24
SS50	I-25
SS51	I-26
SS52	I-27
SS53	I-28
SS54	I-29
SS55	I-30
SS56	I-31
SS57	I-32
SS58	I-33
SS59	I-34
SS60	I-35

(FORMERLY I-68 CLASS)

—WAR LOSS

JAPANESE NAVAL VESSELS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942



SS61	I-36
SS62	I-37
SS63	I-38
SS64	I-39
SS65	I-41
SS66	I-43
SS67	I-45
SS68	I-47
SS69	I-49
	—BUILDING
	—BUILDING
	—BUILDING
	—BUILDING

I-76 CLASS

SS70	I-76
SS71	I-77
SS72	I-78
SS73	I-79
SS74	I-80
SS75	I-81
SS76	I-82
SS77	I-83
SS78	I-84
SS79	I-85
	—BUILDING
	—BUILDING
	—BUILDING

I-101 CLASS

SS80	I-101
SS81	I-102
SS82	I-103
SS83	I-104
SS84	I-105
SS85	I-106
SS86	I-107
	—BUILDING
	—BUILDING
	—BUILDING

I-176 CLASS

SS87	I-176
SS88	I-177
SS89	I-178
SS90	I-179
SS91	I-180
SS92	I-181
SS93	I-182
SS94	I-185
	—BUILDING
	—BUILDING

NOTE—POSITIVE IDENTIFICATION OF THE I-176 CLASS HAS YET TO BE ESTABLISHED

ONI 41-42

DESTROYERS (Continued)

DD96	TOKITSUKAZE	(TOKITUKAZE)
DD97	URAKAZE	
DD98	ARASHI	(ARASI)
DD99	HAGIKAZE	
DD100	NOWAKI	
DD101	HAMAKAZE	
DD102	TANIKAZE	
DD103	MAIKAZE	
DD104	YUGUMO	
DD105	AKIGUMO	
DD106	MAKIGUMO	
DD107	SHIMAKAZE	(SIMAKAZE)
DD108	KAZEGUMO	
DD109	AKITSUKI	(AKITUKI)
DD110	SUZUTSUKI	(SUZUTUKI)
DD111	TERATSUKI	(TERATUKI)
DD112	HATSUTSUKI	(HATUTUKI)
DD113	WAKATSUKI	(WAKATUKI)
DD114	ARAZUKI	
DD115	NAGANAMI	
DD116	MAKINAMI	
DD117	TAKANAMI	
DD	—UNKNOWN No. 1—NAMES & NUMBERS UNKNOWN	

MOMO CLASS

ODD1	MOMO	—REMOVED FROM LIST
ODD2	HINOKI	—REMOVED FROM LIST
ODD3	YANAGI	—REMOVED FROM LIST

MOMI CLASS

ODD4	HASHI	(NASI)	—REMOVED FROM LIST
ODD5	TAKE		—REMOVED FROM LIST
ODD6	KAYA		—REMOVED FROM LIST
ODD7	KURI		
ODD8	NIRE		—REMOVED FROM LIST
ODD9	AOI		—REMOVED FROM LIST
ODD10	KIKU		—REMOVED FROM LIST
ODD11	KAKI		—REMOVED FROM LIST
ODD12	TSUGA	(TUGA)	
ODD13	HAGI		—REMOVED FROM LIST
ODD14	SUSUKI		—REMOVED FROM LIST
ODD15	FUJI		—REMOVED FROM LIST
ODD16	ASHI	(ASI)	—REMOVED FROM LIST
ODD17	TSUTA	(TUTA)	—REMOVED FROM LIST
ODD18	HASU		

ODD19	HISHI	(HISI)	—REMOVED FROM LIST
ODD20	TADE		—REMOVED FROM LIST
ODD21	YOMOGI		—REMOVED FROM LIST
ODD22	SUMIRA		—REMOVED FROM LIST

WAKATAKE CLASS

ODD23	WAKATAKE	(EX NO. 2)	
ODD24	KURETAKE	(EX NO. 4)	
ODD25	SANAYE	(EX NO. 6)	
ODD26	ASAGAO	(EX NO. 10)	
ODD27	FUYO	(EX NO. 16)	(HUYO)
ODD28	KARUKAYA	(EX NO. 18)	
ODD29	YUGAO	(EX NO. 12)	—REMOVED FROM LIST
ODD—	SAWARABI	(EX NO. 8)	—FOUNDERED, 1932

NOTE—FROM 35 TO 40 OR SO DESTROYERS ARE CONSIDERED LOST, IDENTITY UNCERTAIN.

SUBMARINES

SS1	I-151	(EX I-51, EX NO. 44)
SS2	I-152	(EX I-52, EX NO. 51)
I-153 CLASS (FORMERLY I-53 CLASS)		
SS3	I-153	(EX I-53, EX NO. 64)
SS4	I-154	(EX I-54, EX NO. 77)
SS5	I-155	(EX I-55, EX NO. 78)
SS6	I-156	(EX I-56)
SS7	I-157	(EX I-57)
SS8	I-158	(EX I-58)
SS9	I-159	(EX I-59)
SS10	I-60	—WAR LOSS
SS11	I-61	—SUNK BY COLLISION, 1941
SS12	I-162	(EX I-62)
SS13	I-63	—SUNK BY COLLISION, 1939
SS14	I-164	(EX I-64)

I-1 CLASS

SS15	I-1	(EX NO. 74)
SS16	I-2	(EX NO. 75)
SS17	I-3	(EX NO. 76)
SS18	I-4	

I-165 CLASS

SS19	I-165	(EX I-65)
SS20	I-166	(EX I-66)
SS21	I-67	—FOUNDERED, 1940

SUBMARINES (Continued)

SS22	I-5	
SS23	I-6	
I-168 CLASS (FORMERLY I-68 CLASS)		
SS24	I-168	(EX I-68)
SS25	I-169	(EX I-69)
SS26	I-170	(EX I-70)
SS27	I-171	(EX I-71)
SS28	I-172	(EX I-72)
SS29	I-173	(EX I-73)
SS30	I-174	(EX I-74)
SS31	I-175	(EX I-75)

I-7 CLASS

SS32	I-7
SS33	I-8

I-9 CLASS

SS34	I-9	
SS35	I-10	
SS36	I-11	
SS37	I-12	
SS38	I-13	
SS39	I-14	
SS40	I-15	
SS41	I-16	
SS42	I-17	
SS43	I-18	
SS44	I-19	
SS45	I-20	
SS46	I-21	
SS47	I-22	
SS48	I-23	
SS49	I-24	
SS50	I-25	
SS51	I-26	
SS52	I-27	
SS53	I-28	
SS54	I-29	—WAR LOSS
SS55	I-30	
SS56	I-31	
SS57	I-32	
SS58	I-33	
SS59	I-34	
SS60	I-35	

JAPANESE NAVAL VESSELS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942



SS61	I-36	
SS62	I-37	
SS63	I-38	
SS64	I-39	
SS65	I-41	
SS66	I-43	—BUILDING
SS67	I-45	—BUILDING
SS68	I-47	—BUILDING
SS69	I-49	—BUILDING

I-76 CLASS

SS70	I-76	
SS71	I-77	
SS72	I-78	
SS73	I-79	
SS74	I-80	
SS75	I-81	
SS76	I-82	
SS77	I-83	—BUILDING
SS78	I-84	—BUILDING
SS79	I-85	—BUILDING

I-101 CLASS

SS80	I-101	
SS81	I-102	
SS82	I-103	
SS83	I-104	
SS84	I-105	—BUILDING
SS85	I-106	—BUILDING
SS86	I-107	—BUILDING

I-176 CLASS

SS87	I-176	—BUILDING
SS88	I-177	—BUILDING
SS89	I-178	
SS90	I-179	
SS91	I-180	
SS92	I-181	
SS93	I-182	
SS94	I-185	

NOTE—POSITIVE IDENTIFICATION OF THE I-176 CLASS HAS YET TO BE ESTABLISHED

SUBMARINES

RO-26 CLASS

OSS1 RO-26
OSS2 RO-27
OSS2 RO-27
OSS3 RO-28

(BELOW 1,000 TONS — OSS)

(EX NO. 45) —REPORTED REMOVED FROM LIST
(EX NO. 58) —REPORTED REMOVED FROM LIST
(EX NO. 50) —REPORTED REMOVED FROM LIST
(EX NO. 62) —REPORTED REMOVED FROM LIST

RO-51 CLASS

OSS4 RO-51
OSS5 RO-52
OSS6 RO-53
OSS7 RO-54
OSS8 RO-55
OSS9 RO-56
OSS10 RO-57
OSS11 RO-58
OSS12 RO-59

(EX NO. 25) —REPORTED REMOVED FROM LIST
(EX NO. 26) —REPORTED REMOVED FROM LIST
(EX NO. 27) —REPORTED REMOVED FROM LIST
(EX NO. 28) —REPORTED REMOVED FROM LIST
(EX NO. 29) —REPORTED REMOVED FROM LIST
(EX NO. 30) —REPORTED REMOVED FROM LIST
(EX NO. 46)
(EX NO. 47)
(EX NO. 57)

RO-60 CLASS

OSS13 RO-60
OSS14 RO-61
OSS15 RO-62
OSS16 RO-63
OSS17 RO-64
OSS18 RO-65
OSS19 RO-66
OSS20 RO-67
OSS21 RO-68

(EX NO. 59)
(EX NO. 72) —WAR LOSS
(EX NO. 73)
(EX NO. 84)

RO-33 CLASS

OSS22 RO-33
OSS23 RO-34
OSS24 RO-35
OSS25 RO-36
OSS26 RO-37

RO-100 CLASS

OSS27 RO-100
OSS28 RO-101
OSS29 RO-102
OSS30 RO-103
OSS31 RO-104
OSS32 RO-105
OSS33 RO-106
OSS34 RO-107

—BUILDING
—BUILDING
—BUILDING
—BUILDING

MINE-LAYING SUBMARINES

RO-29 CLASS

SM1 RO-29
SM2 RO-30
SM3 RO-31
SM4 RO-32

(EX NO. 68) —REMOVED FROM LIST
(EX NO. 69)
(EX NO. 70)
(EX NO. 71)

I-121 CLASS

SM5 I-121
SM6 I-122
SM7 I-123
SM8 I-124

(FORMERLY I-21 CLASS)
(EX I-21; EX NO. 48)
(EX I-22; EX NO. 49)
(EX I-23; EX NO. 50)
(EX I-24)

NOTE—EIGHTEEN OR MORE SUBMARINES ARE CONSIDERED LOST; THE IDENTITY OF MOST UNITS LOST IS UNCERTAIN.

MINOR COMBATANT TYPES

CRUISERS, SECOND LINE (termed "Coast Defence Ships")

OCA1 ASAMA
OCA2 YAKUMO
OCA3 AZUMA (ADUMA)

IWATE CLASS

OCA4 IWATE
OCA5 IZUMO (IDUMO)
OCA6 KASUGA

MINE LAYERS

CM1 TOKIWA (EX OCA)
CM2 KATSURIKI (KATURIKI)
CM3 SHIRATAKA (SIRATAKA)
CM4 ITSUKUSHIMA (ITUKUSIMA)
CM5 YAEYAMA
CM6 OKINOSHIMA (OKINOSIMA)

—ALSO FITTED AS AN AN
—ALSO FITTED AS AN AN
—WAR LOSS

HATSUTAKA CLASS

CM7 HATSUTAKA (HATUTAKA)
CM8 AOTAKA
CM9 WAKATAKA
CM10 TSUGARU (TUGARU)

MINE LAYERS (Continued)

SHIMUSHU CLASS

CM11 SHIMUSHU (SIMUSU)
CM12 KUNAJIRI
CM13 HACHIJO
CM14 ISHIGAKI (ISIGAKI)
CM15 MIYAKO

MINE SWEEPERS

No. 1 CLASS

AM1 NO. 1
AM2 NO. 2
AM3 NO. 3
AM4 NO. 4
AM5 NO. 5
AM6 NO. 6

No. 13 CLASS

AM7 NO. 13
AM8 NO. 14
AM9 NO. 15
AM10 NO. 16
AM11 NO. 17
AM12 NO. 18

No. 7 CLASS

AM13 NO. 7
AM14 NO. 8
AM15 NO. 9
AM16 NO. 10
AM17 NO. 11
AM18 NO. 12

No. 19 CLASS

AM19 NO. 19
AM20 NO. 20
AM21 NO. 21
AM22 NO. 22
AM23 NO. 23
AM24 NO. 24

NOTE—TWELVE UNITS, DESIGN UNKNOWN, REPORTED BUILDING.

TORPEDO BOATS

CHIDORI CLASS

TB1 CHIDORI (TIDORI)
TB2 MANAZURU
TB3 TOMOZURU
TB4 HATSUKARI (HATUKARI)

OTORI CLASS

TB5 OTORI
TB6 HAYABUSA
TB7 HIYODORI
TB8 KASASAGI
TB9 HATO
TB10 SAGI
TB11 KARI
TB12 KIJU

NOTE—EIGHT UNITS, DESIGN UNKNOWN, REPORTED BUILDING.



GUNBOATS

PG1 YODO
PG2 SAGA
PG3 ASUGA (EX-CHINESE MUNG CHI)
PG4 ATAKA
PG5 HITONOSE (EX-CHINESE MING SEN)

HASHIDATE CLASS

PG6 HASHIDATE (HASIDATE)
PG7 UJI

NOTE—FOUR UNITS, DESIGN UNKNOWN, REPORTED BUILDING.

RIVER GUNBOATS

PR1 TOBA

SETA CLASS

PR2 SETA
PR3 HOZU
PR4 HIRA
PR5 KATADA

ATAMI CLASS

PR6 ATAMI
PR7 FUTAMI

SUMIDA CLASS

PR8 SUMIDA
PR9 FUSHIMI (HUSIMI)
PR10 TATARA (EX U. S. S. WAKE)
PR11 KARATSU (KARATU) (EX U. S. S. LUZON)
PR12 HUI MO (EX H. M. S. MOTH)

SUBMARINE CHASERS

PC1, 2 NOS. 1 AND 2
PC3-39 NOS. 3 TO 39
PC40-44 NOS. 51 TO 55
PC45-47 NOS. 101 TO 103

MOTOR TORPEDO-BOATS

OVER 50 UNITS ARE BELIEVED TO BE IN COMMISSION. DESIGN CLASSES UNKNOWN.

ONI 41-42

"CONVERTED GUNBOATS"

OVER 23 SMALL MERCHANT STEAMERS BELIEVED TO BE EMPLOYED AS GUNBOATS. INSUFFICIENT DATA FOR DESIGN CLASSIFICATION.

TRAWLERS

OVER 29 TRAWLERS SERVING IN THE NAVY, MOSTLY AS AUXILIARY MINESWEEPERS. AN UNDETERMINED NUMBER OF WHALE "KILLER BOATS" HAVE LIKEWISE BEEN TAKEN OVER.

AIRCRAFT AUXILIARIES

AUXILIARY AIRCRAFT CARRIERS

OTAKA CLASS		
ACV1	OTAKA	(EX KASUGA MARU)
ACV2	UNYO	(EX YAWATA MARU)
NOTE—FOUR ADDITIONAL UNITS, INCLUDING THE CHUYO, ARE REPORTED FITTING OUT.		

SEAPLANE TENDERS

KAMIKAWA MARU CLASS

AV1	KAMIKAWA MARU
AV2	KIYOKAWA MARU

KINUGASA MARU CLASS

AV3	KINUGASA MARU
AV4	KIYOSUMI MARU
AV5	FUJIKAWA MARU
AV6	YASUKAWA MARU
AV7	SOUYOU (SOYO) MARU
AV8	GOSHU MARU
AV9	NARUTO MARU
AV10	SANUKI MARU
AV11	SAN-YO MARU
AV12	KATSURAGI MARU
AV13	KOKITSU MARU
AV14	NITCHO MARU
AV15	MOGAMIGAWA MARU

NAVAL AUXILIARIES, MISCELLANEOUS AND UNCLASSIFIED TYPES

SUBMARINE TENDERS

AS1	KOMAHASHI	(KOMAHASI)
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JINGEI CLASS

AS2	JINGEI	(ZINGEI)
AS3	CHOGEI	(TYOGEI)
AS4	TAIGEI	(EX-SANTOS)
AS5	MANZU MARU	
AS6	RIO DE JANEIRO MARU	
AS7	YASUKUNI MARU	

HIE MARU CLASS

AS8	HIE MARU
AS9	HEIAN MARU
AS10	NAGOYA MARU
AS11	ARATAMA MARU
AS12	URAKAMI MARU
AS13	HINODE MARU
AS14	NISSO MARU

REPAIR SHIPS

AR1	ASAHI	(EX OBB)
AR2	AKASHI	(AKASI)
AR3		—BUILDING

SALVAGE SHIPS

ARS1	KURIHASHI
ARS2	YODOBASHI
ARS3	SARUHASHI
ARS4	SHIRAGANE
ARS5	NAGAURA

HOSPITAL SHIPS

AH1	HIKAWA MARU
AH2	TAKASAGO MARU
AH3	ASARI MARU
AH4	URAL MARU
AH5	AMERICA MARU
AH6	MANILA MARU
AH7	RYUKO MARU

HOSPITAL SHIPS (Continued)

AH8	BAIKAL MARU
AH9	SEATTLE MARU
AH10	HOKUSAN MARU

FUEL-OIL TANKERS

AO1	SUNOSAKI
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SHIRETOKO CLASS

AO2	SHIRETOKO	(SIRETOKO)
AO3	ERIMO	—REPORTED WAR LOSS
AO4	SATA	
AO5	TSURIMI	
AO6	SHIRIYA	
AO7	IRO	
AO8	ONDO	
AO9	HAYATOMO	
AO10	NARUTO	

TOA MARU CLASS

AO11	TOA MARU
AO12	KYOKUTO MARU

SAN PEDRO MARU CLASS

AO13	SAN PEDRO MARU
AO14	SAN DIEGO MARU

TONAN MARU CLASS

AO15	TONAN MARU NO. 2
AO16	TONAN MARU NO. 3

KENYO MARU CLASS

AO17	KENYO MARU
AO18	KOKUYO MARU

HOYO MARU CLASS

AO19	HOYO MARU	
AO20	KAIZYO MARU	
AO21	AKEBONO MARU	
AO22	NISSHIN MARU NO. 2	
AO23	FUJISAN MARU	
AO24	OMUROSAN MARU	
AO25	GENATA	(EX-DUTCH)

JAPANESE NAVAL VESSELS

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STORESHIPS

AF1	MAMIYA	(KASINO)
AF2	KASHINO	
AF3	IRAKO	

MUROTO CLASS

AF4	MUROTO	(NOZIMA)
AF5	NOJIMA	
AF6	KOSEI MARU	

CABLE LAYING SHIPS

HASHIMA CLASS

ARC1	HASHIMA	(HASIMA)
ARC2	TSURUSHIMA	(TURUSIMA)
ARC3	TATEISHI	(TATEISI)
ARC4	ODATE	

TARGET SHIP

SETTSU	(EX-BB)
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ICE-BREAKER

OTOMARI

SURVEYING SHIPS

AGS1	KOSHU	(TUKUSI)
AGS2	TSUKUSHI	
AGS3	SOYA	

DISTRICT CRAFT

MIDGET SUBMARINES

5 TO 15 TON CLASS

NUMBER AVAILABLE AND BUILDING UNKNOWN.

40 TO 50 TON CLASS

NUMBER AVAILABLE AND BUILDING UNKNOWN.

ONI 41-42

COASTAL MINE LAYERS (CAN ALSO BE EMPLOYED AS AMC'S)

TOSHIMA CLASS

CMc1	TOSHIMA	(TOSIMA)
CMc2	KUROSHIMA	(KUROSIMA)
CMc3	KATOKU	
CMc4	ASHIZAKI	(ASIZAKI)
CMc5	ENTO	
CMc6	KATASHIMA	(KATASIMA)
CMc7	KUROKAMI	
CMc8	ENOSHIMA	(ENOSIMA)
CMc9	KUROZAKI	
CMc10	NINOSHIMA	(NINOSIMA)

TSUBAME CLASS

CMc11	TSUBAME	(TUBAME)	—ALSO FITTED AS AN AN
CMc12	KAMOME		—ALSO FITTED AS AN AN

NATSUSHIMA CLASS

CMc13	NATSUSHIMA	(NATUSIMA)
CMc14	NASAMI	
CMc15	SARUSHIMA	(SARUSIMA)

SOKUTEN CLASS

CMc16	SOKUTEN	
CMc17	SHIRAKAMI	(SIRAKAMI)
CMc18	KYOSAI	
CMc19	NARIU	
CMc20	UKISHIMA	(UKISIMA)

YURISHIMA CLASS

CMc21	YURISHIMA	(YURISIMA)
CMc22	NUWASHIMA	(NUWASIMA)
CMc23	MAESHIMA	(MAESIMA)
CMc24	MOROSHIMA	(MOROSIMA)
CMc25	HIRASHIMA	(HIRASIMA)
CMc26	TAKASHIMA	(TAKASIMA)
CMc27	ARAIKAKI	
CMc28	ISHIZAKI	(ISIZAKI)
CMc29	BOKO	
CMc30	SAGISAKI	
CMc31	SAISHU	

ONI 41-42

NO.	DATE	SOURCE	SHIP	AMENDMENTS
1	1/43	OP 16- P 2	DUGUAY-TROUIN CL-6	SHIP ILLUSTRATED IS LAMOTTE-PICQUET, CL 8, A UNIT OF THE DUGUAY-TROUIN CLASS
2	9/9/43	OP 16- P 2	DD UN NO. 1	Information received by the Division of Naval Intelligence since issue of ONI 41-42 jacket dated March, 1943, covering appearance of ship referred to as DD UN No. 1 (destroyer unknown, number one) confirms previous reports that this vessel is one of the TERUTSUKI Class. The designation DD UN No. 1 will, therefore, be dropped in future ONI recognition publications, and ships built to this design will be designated as belonging to the TERUTSUKI Class (formerly spelled TERATSUKI). This class is believed to have included AKITSUKI, SUZUTSUKI, TERUTSUKI, HATSUTSUKI, WAKATSUKI and ARAZUKI. Additional information has confirmed the general accuracy of the profile and plan developed by the Division of Naval Intelligence and previously published in ONI serial F-20:3-42 (November 30, 1942) and in ONI 41-42. Further information indicates the following corrections and additions to data on these ships previously issued in ONI 41-42 and ONI 222. TERUTSUKI (DD 111) BUILT—Mitsubishi Yard, Nagasaki. COMMISSIONED—August 2, 1942. ARMAMENT— 4 TWIN MOUNTS, dual purpose max. elevations 90°, train 180°. RANGE—Estimated as being in excess of 16,000 yards. MAIN BATTERY—Caliber has been reported as 3"94? It is possible that these guns may be 5"/50's. 2-25 mm. AA TWIN MOUNTS 2 LIGHT MACHINE GUNS 1 QUADRUPLE TORPEDO TUBE MOUNT. 2 TWIN TUBE DEPTH CHARGE THROWERS, ASDIC GEAR FITTED. All these ships are provided with DEGAUSSING EQUIPMENT and are believed to lack MINESWEEPING, PARAVANE OR RADAR GEAR. COMPLEMENT—260-300. BRIDGE, TURRET, TORPEDO TUBE PLATING—Believed to be unusually light.

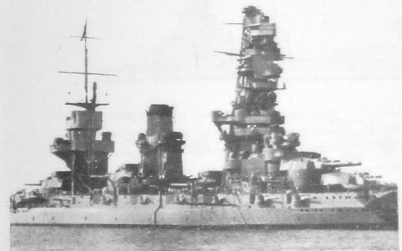


ERRATA

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—MARCH 1943

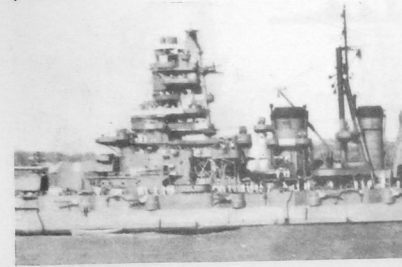
NO.	DATE	SOURCE	SHIP	AMENDMENTS
3	9/43	OP-16- P-2	KUMA, NATORI CLASSES	AERIAL VIEWS OF KUMA AND NATORI CLASSES (PAGES 2 AND 3) HAVE BEEN INTERCHANGED.

BATTLESHIPS



↓ KONGO CLASS

↑ FUSO CLASS →

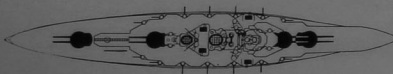




JAPANESE BATTLESHIPS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—JUNE, 1943

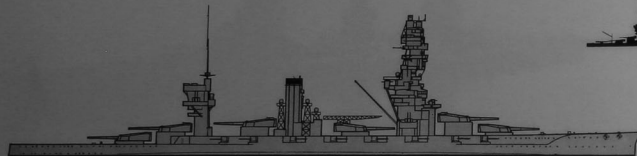
KONGO CLASS BB 1-4



LENGTH— 704' OA BEAM—95'
DISPLACEMENT—29,300 TONS (STANDARD)
MAIN BATTERY—8-14"

Only class of BB's with two stacks. Note mainmast forward of No. 2 stack, 2A-1-1 main battery disposition. Pagoda foremast relatively low and massive, blending with No. 1 stack.

FUSO CLASS BB 5, 6



YAMASHIRO

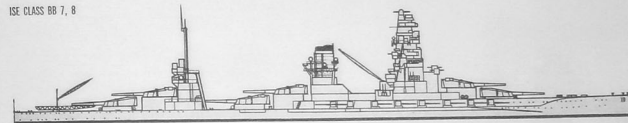


LENGTH—673' OA—665' WL BEAM—94'
DISPLACEMENT—29,330 TONS (STANDARD)
MAIN BATTERY—12-14"

Note distinctive 2A-1-1-2 main battery disposition, with turrets fore and aft of stack. Very tall, relatively slender pagoda foremast. Locations of catapults differentiate two ships of class.

ONI 41-42

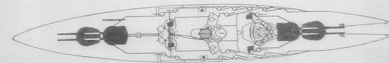
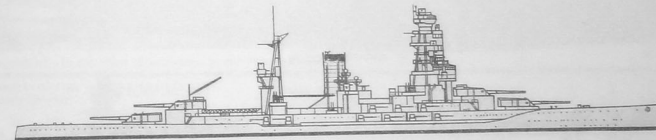
ISE CLASS BB 7, 8



LENGTH— 683' OA BEAM—94'
DISPLACEMENT—29,990 TONS (STANDARD)
MAIN BATTERY—12-14"

Note 2A-2-2 armament disposition, with superimposed turrets between stack and mainmast. Hull breaks amidships, forward of stack.

NAGATO CLASS BB 9, 10



LENGTH— 700' OA BEAM—95'
DISPLACEMENT—32,720 TONS (STANDARD)
MAIN BATTERY—8-16"

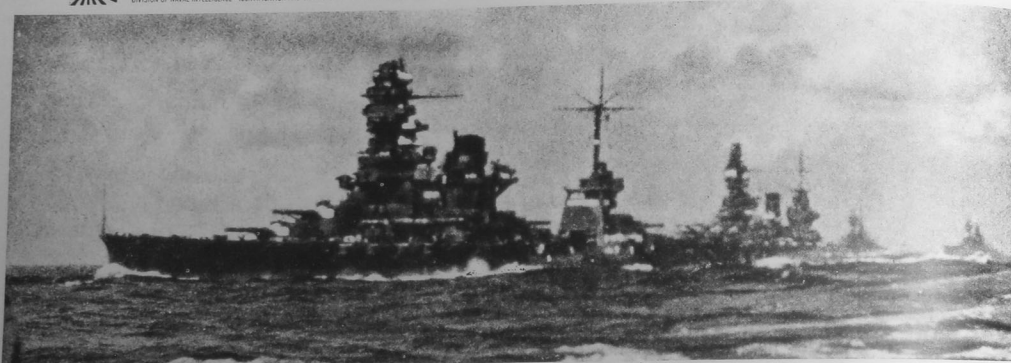
2A-2 main battery disposition. Note that masts and stack are more closely grouped than in FUSO or ISE Classes.



JAPANESE BATTLESHIPS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—AUGUST, 1943

ONI 41-42



↑ ISE CLASS FOLLOWED BY FUSO CLASS

↓ NAGATO CLASS ↓



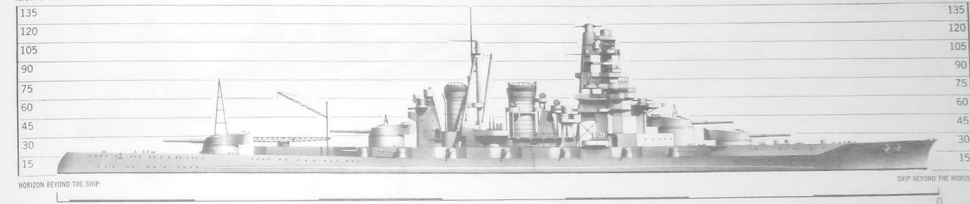
ONI 41-42

KONGO CLASS BB-1-4

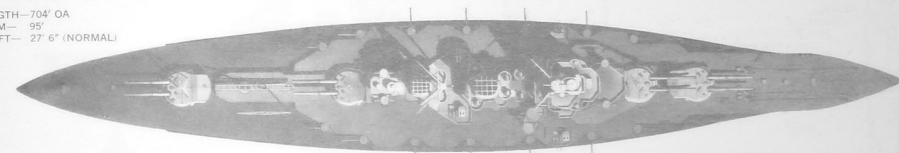


DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

HEIGHT OF OBSERVER

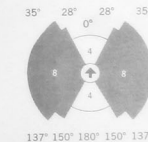


LENGTH—704' OA
BEAM— 95'
DRAFT— 27' 6" (NORMAL)



DISPLACEMENT—29,300 TONS (STANDARD)—30,500 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY

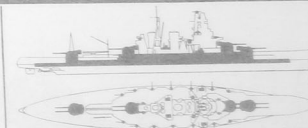


ARMAMENT

8-14" (45) 30° 30,000 YD.
14-6" (50) CASEMATES 25° 19,000 YD.
8-5" AA TWIN MOUNTS 85° 18,000 YD.
1 CATAPULT, 3 SCOUT OBSERVATION
NOTE: HIYEI, ONCE DEMILITARIZED; MAY HAVE WEAKER ORDNANCE.

PROTECTION

BELT— 6"-8" WITH 3" ENDS
TURRETS— 9"-10"
BARBETTES— 10"
CONNING TOWER— 10"
DECK— 2 1/4"-4"; 7" OVER VITALS



PROPULSION

DES HP— 78,000 DES SPEED—26 KNOTS
ENDURANCE—3,500 @ 26 KNOTS 12,600 @ 12 KNOTS

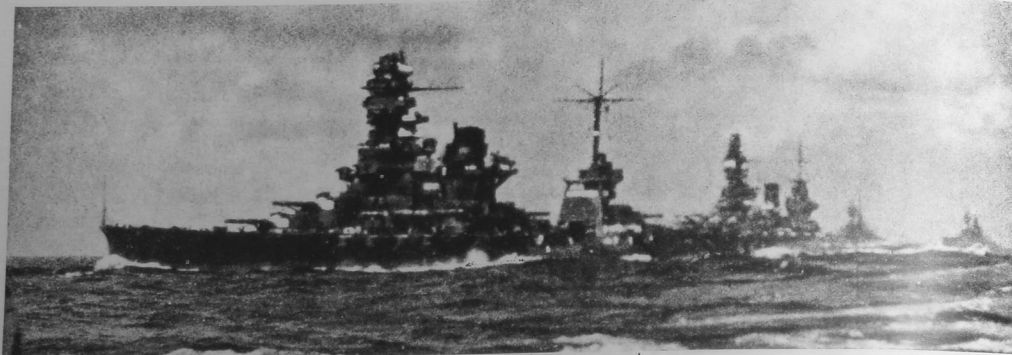




JAPANESE BATTLESHIPS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—AUGUST, 1943

ONI 41-42



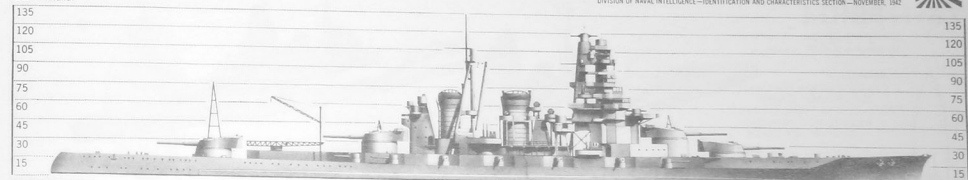
↑ ISE CLASS FOLLOWED BY FUSO CLASS

↓ NAGATO CLASS ↓

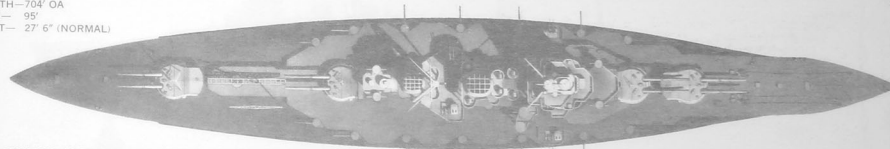


ONI 41-42

HEIGHT OF OBSERVER

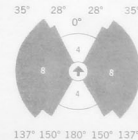


LENGTH—704' OA
BEAM— 95'
DRAFT— 27' 6" (NORMAL)



DISPLACEMENT—29,300 TONS (STANDARD)—30,500 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY



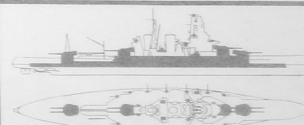
ARMAMENT

	MAX. ELEV.	RANGE
8-14" (45)	30°	30,000 YD.
14-6" (50) CASEMATES	25°	19,000 YD.
8-5" AA TWIN MOUNTS	85°	18,000 YD.

1 CATAPULT, 3 SCOUT OBSERVATION
NOTE: HIYEI, ONCE DEMILITARIZED; MAY HAVE WEAKER ORDNANCE.

PROTECTION

BELT—	6"-8" WITH 3" ENDS
TURRETS—	9"-10"
BARBETTES—	10"
CONNING TOWER—	10"
DECK—	2 1/4"-4"; 7" OVER VITALS



PROPULSION

DES HP—	78,000	DES SPEED—26 KNOTS
ENDURANCE—	3,500 @ 26 KNOTS	12,600 @ 12 KNOTS



KONGO CLASS BB-1-4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942



KONGO CLASS —BB 1-4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION —DECEMBER, 1942

PROFILE—
LOW PAGODA FOREMAST
TWO FLARED SINGLE
PIPE STACKS
HIGH TRIPOD MAINMAST
FOR'D OF AFT STACK
→

AERIAL—
TURRETS—
TWO SUPERIMPOSED
TWIN'S FOR'D
TWO TWIN'S AFT, SEPA-
RATED BY CATAPULT
←



END-ON—
HIGH, PYRAMIDAL
SUPERSTRUCTURE
EXTREMELY WIDE BEAM
↑

45°



90°



135°



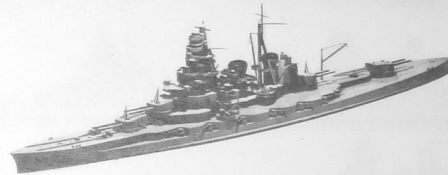
0°



180°



ONI 41-42
315°



270°



225°





KONGO CLASS—BB 1-4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942

0°



10°



20°



30°



75°



90°



135°



150°



165°



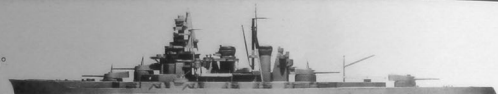
180°



240°



255°



300°



315°



KNOTS

RPM

400

375

350

325

KNOTS

RPM

26

300

275

250

225

KNOTS

RPM

200

175

150

125

KNOTS

RPM

100

75

50

25

ONI 41-42

45°



60°



105°



120°



195°



210°



225°



270°



285°



330°



340°



350°



355°





KONGO CLASS—BB1-4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1947

KONGO—	BB1	BEGUN	COMPLETED	MODERNIZED
HIYEI—	BB2	1/17/11	8/16/13	1935-1937
KIRISHIMA—	BB3	11/4/11	8/4/14	1938
HARUNA—	BB4	3/17/12	4/19/15	1926-1930
		3/16/12	4/19/15	1929-1934

ONI 41-42



↑ KIRISHIMA—12/19/38

KONGO—12/19/38 ↓

HARUNA—1937 ↓



ONI 41-42

HEIGHT OF OBSERVER

150
135
120
105
90
75
60
45
30
15

HORIZON BEYOND THE SHIP

LENGTH—673' OA—665' WL
BEAM— 94'
DRAFT— 28'6" (NORMAL)



DISPLACEMENT—
29,330 TONS (STANDARD)
30,600 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY
36° 30° 0° 30° 36°



149° 156° 180° 156° 149°

ARMAMENT

12-14" (45) TWIN TURRET
16-6" (50) CASEMATES
8-5" A. A. TWIN MOUNTS
1 CATAPULT; 3 SCOUT OBSERVATION

MAX. ELEV.

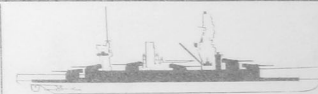
30°
25°
85°

RANGE

30,000 YD.
19,000 YD.
18,000 YD.

PROTECTION

BELT— 8-12" ENDS 4-5"
TURRETS— 8-12"
BARBETTES— 8-12"
CONNING TOWER— 6-12"
DECK— 2" 7" OVER VITALS



FUSO CLASS



YAMASHIRO (YAMASHIRO) BB 6

FUSO—BB 5



DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1947

SHIP BEYOND THE HORIZON

150
135
120
105
90
75
60
45
30
15



FUSO—BB 5

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION —DECEMBER, 1947

PROFILE—
HIGH, THIN PAGODA
FOREMAST
LARGE SINGLE PIPE
STACK
TOWER MAINMAST
TOPPED BY STICK

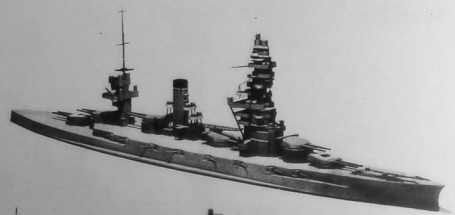


AERIAL—
TURRETS:
TWIN SUPERIMPOSED
FOR'D
TWIN'S AMIDSHIPS SEPA-
RATED BY STACK
CATAPULT FOR'D OF
STACK

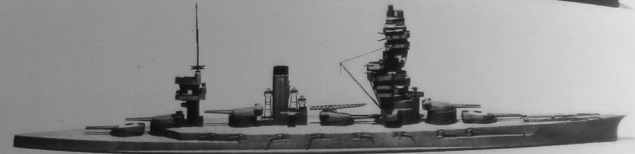


END-ON—
MAY BE MISTAKEN FOR
YAMISHIRO

45°



90°



135°



0°

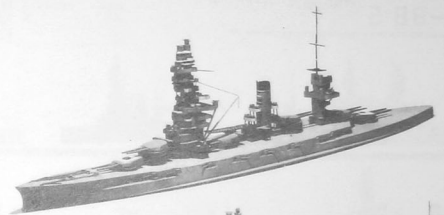


180°



ONI 41-42

315°



270°



225°





FUSO-BB 5

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION DECEMBER, 1942

0°



10°



20°



30°



75°



90°



135°



150°



165°



180°



240°



255°



300°



315°



KNOTS

RPM

KNOTS

RPM

KNOTS

RPM

KNOTS

RPM

400
375
350
325

300
292
275
250

225
200
175
150

125
100
75
50

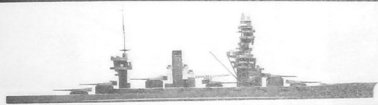
45°



60°



105°



120°



195°



210°



225°



270°



285°



330°



340°



350°



355°



ONI 41-42



FUSO—BB 5

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942

FUSO —BB 5
YAMASHIRO—BB 6

BEGUN COMPLETED
3/11/12 11/8/15

MODERNIZED 1932-33
PROFILE MODIFIED

ONI 41-42

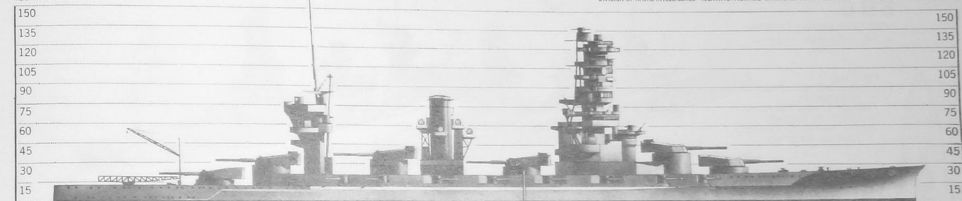
↑ 1935

↓ FUSO LEADING UNITS OF THE KONGO CLASS



ONI 41-42

HEIGHT OF OBSERVER

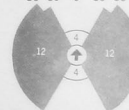


LENGTH—673' OA—665' WL
BEAM —94'
DRAFT—28'6" (NORMAL)

DISPLACEMENT
29,330 TONS (STANDARD)
30,600 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY

36° 30° 0° 30° 36°



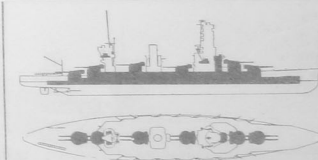
149° 156° 180° 156° 149°

ARMAMENT

	MAX. ELEV.	RANGE
12-14" (45) TWIN TURRETS	30°	30,000 YD.
16-6" (50) CASEMATES	25°	19,000 YD.
8-5" AA TWIN MOUNTS	85°	18,000 YD.
1 CATAPULT; 3 SCOUT OBSERVATION		

PROTECTION

BELT—	8-12" ENDS 4-5"
TURRETS—	8-12"
BARBETTES—	8-12"
CONNING TOWER—	6-12"
DECK—	2" 7" OVER VITALS



FUSO CLASS





YAMASHIRO BB 6

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION—JANUARY, 1943

PROFILE—
HIGH, SQUARE PAGODA
FOREMAST
HEAVY STACK SEARCH-
LIGHT PLATFORM
HIGH TOWER MAINMAST,
TOPPED BY STICK



AERIAL—
TURRETS:
SUPERIMPOSED TWINS
FOR'D
SINGLE TWINS AMID-
SHIPS (TRAINED AFT)
SUPERIMPOSED TWINS
AFT
CATAPULT AFT



END-ON—
EASILY MISTAKEN FOR
FUSO

45°



90°



135°



0°

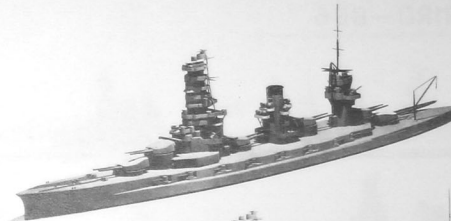


180°



ONI 41-42

315°



270°



225°





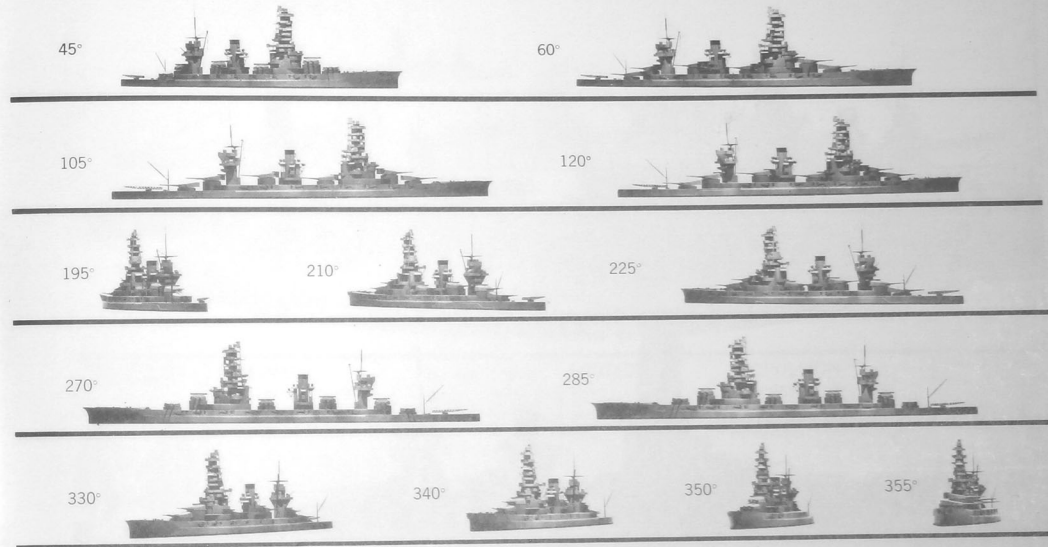
YAMASHIRO—BB6

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—JANUARY, 1943



KNOTS	RPM	KNOTS	RPM	KNOTS	RPM	KNOTS	RPM
	400		300		225		125
	375	23	292		200		100
	350		275		175		75
	325		250		150		50

ONI 41-42





YAMASHIRO-BB 6

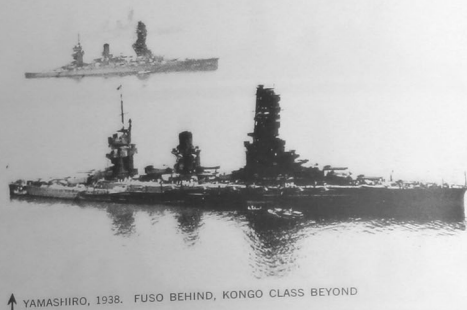
YAMASHIRO - BB-3
DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1943



↑ 1939

↓ 1938

↑ YAMASHIRO, 1938. FUSO BEHIND, KONGO CLASS BEYOND



BEGUN	COMPLETED
11/20/13	3/31/17
3, HAS MODIFIED PROFILE	

YAMASHIRO-BB 6 11/20/13 3/31/17
SISTERSHIP FUSO, BB 5, HAS MODIFIED PROFILE

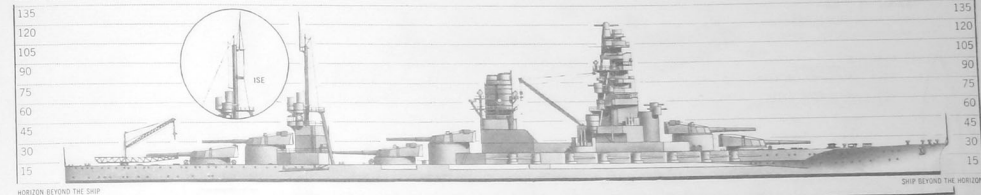
MODERNIZED 1932-33

ONI 41-42



ONI 41-42

HEIGHT OF OBSERVER:



LENGTH—683' OA—676' WL
BEAM— 94'
DRAFT— 28'8" (NORMAL)



DISPLACEMENT
29,990 (STANDARD)

DENSITY OF FIRE
MAIN BATTERY

150° 165° 180° 165° 150°

ARMAMENT

12-14" (45) TWIN TURRETS
16-5.5 (50) CASEMATES
8-5" AA, 4-1" AA TWIN MOUNTS
1 CATAPULT, 3 SEAPLANE SCOUTS



MAX. ELEV.	RANGE
30°	30,000 YD
25°	19,000 YD
85°	18,000 YD

PROTECTION

BELT—	8"-12"
TURRETS—	8"-12"
BARBETTES—	8"
CONNING TOWER—	12"-6"
DECK—	6¾"



PROPULSION

MACHINERY—	4 TURBINES
BOILERS—	8 KAMPON
FUEL—	OIL, 4,500 TONS
DES HP—	45,000
DES SPEED—	23 KNOTS
ENDURANCE—	4,200 @ 23 KNOTS 12,600 @ 12 KNOTS

KNOTS	RPM
	420
	400
	350
23	318
	300
	275
	250
	245
	240
	220
	200
	160
	150
	120
	80



ISE CLASS BB 7-8

DIVISION OF NAVAL INTELLIGENCE IDENTIFICATION
AND CHARACTERISTICS SECTION DECEMBER, 1942

→
PROFILE—
PAGODA FOREMAST
POLE MAINMAST ON LOW
TRIPOD
ONE SINGLE PIPE WITH
SEARCHLIGHT PLATFORMS

←
AERIAL—
TWIN TURRETS—
2 SUPERIMPOSED FOR'D
2 SUPERIMPOSED
AMIDSHIPS
2 SUPERIMPOSED AFT
HULL BROKEN AMIDSHIPS

↑
END-ON—
FLARED PAGODA
FOREMAST
FLANKING SECONDARY
MOUNTS

45°



90°



135°



0°

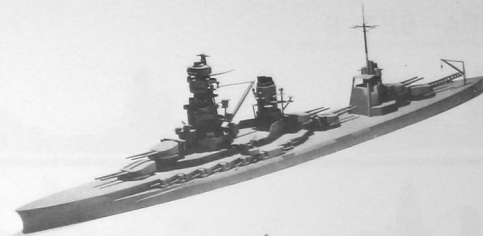


180°



ONI 41-42

315°



270°



225°





ISE, HYUGA—BB 7, 8

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

0°



10°



20°



30°



75°



90°



135°



150°



165°



180°



240°



255°



300°



315°



ONI 41-42

45°



60°



105°



120°



195°



210°



225°



270°



285°



330°



340°



350°



355°





ISE, HYUGA—BB 7, 8

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—OCTOBER, 1942

ISE —BB 7
HYUGA—BB 8

BEGUN
5/10/15
5/ 6/15

COMPLETED
12/15/17
4/30/18

MODERNIZED
1935-37

ONI 41-42



ISE—DEC. 19, 1938 ↑

↓ HYUGA—OCT., 1938



ONI 41-42

HEIGHT OF OBSERVER

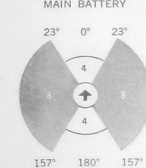
135
120
105
90
75
60
45
30
15

HORIZON BEYOND THE SHIP

LENGTH—700' OA
BEAM— 95'
DRAFT— 29'8" (NORMAL)

DISPLACEMENT—
32,720 TONS (STANDARD)
33,800 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY



ARMAMENT

8-16" (45) TWIN TURRETS
18-5" (50) CASEMATES
8-5" AA TWIN SHIELD MOUNTS
1 CATAPULT, 3 SEAPLANE SCOUTS

MAX. ELEV.

35°
25°
85°

RANGE

36,000 YD.
19,000 YD.
18,000 YD.

PROTECTION

BELT— 13"
TURRETS— 14"
BARBETTES—
CONNING TOWER—14"
DECK—(OVER VITALS)
3 1/2"—7"

PROPULSION

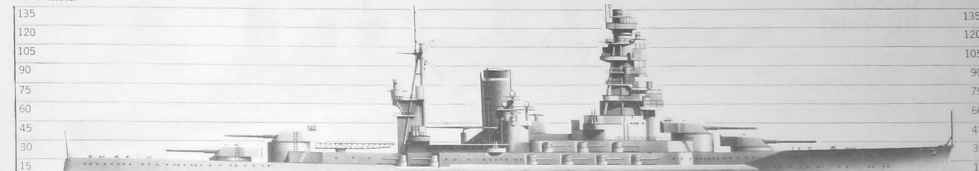
MACHINERY— 4 TURBINES
BOILERS— 21 KAMPON
FUEL— OIL—5,000 TONS
DESIGNED HP— 80,000
DESIGNED SPEED—26 KNOTS
ENDURANCE— 4700 @ 26 KTS
12,000 @ 12 KTS

KNOTS RPM

— 420
— 400
— 350
26 — 330
— 300
— 275
— 250
— 245
— 240
— 220
— 200
— 160
— 150
— 120
— 80

NAGATO CLASS—BB9-10

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION —OCTOBER, 1942

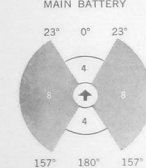


HORIZON BEYOND THE SHIP

LENGTH—700' OA
BEAM— 95'
DRAFT— 29'8" (NORMAL)

DISPLACEMENT—
32,720 TONS (STANDARD)
33,800 TONS (NORMAL)

DENSITY OF FIRE
MAIN BATTERY



ARMAMENT

8-16" (45) TWIN TURRETS
18-5" (50) CASEMATES
8-5" AA TWIN SHIELD MOUNTS
1 CATAPULT, 3 SEAPLANE SCOUTS

MAX. ELEV.

35°
25°
85°

RANGE

36,000 YD.
19,000 YD.
18,000 YD.

PROTECTION

BELT— 13"
TURRETS— 14"
BARBETTES—
CONNING TOWER—14"
DECK—(OVER VITALS)
3 1/2"—7"

PROPULSION

MACHINERY— 4 TURBINES
BOILERS— 21 KAMPON
FUEL— OIL—5,000 TONS
DESIGNED HP— 80,000
DESIGNED SPEED—26 KNOTS
ENDURANCE— 4700 @ 26 KTS
12,000 @ 12 KTS

KNOTS RPM

— 420
— 400
— 350
26 — 330
— 300
— 275
— 250
— 245
— 240
— 220
— 200
— 160
— 150
— 120
— 80



NAGATO CLASS BB 9-10

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION —DECEMBER, 1942

PROFILE—
PAGODA FOREMAST
LARGE S. P. STACK
TRIPOD MAINMAST
ENCLOSING LOW TOWER

AERIAL—
TURRETS—
TWIN SUPERIMPOSED
FOR'D & AFT.
STACK SEARCHLIGHT
PLATFORMS
CATAPULT AFT OF
MAINMAST



END-ON—
TRIPOD FRAMEWORK
FOR PAGODA FOREMAST
FREEBOARD BROKEN
BY BLISTER, CASEMATES

45°



90°



135°



0°



180°



ONI 41-42

315°



270°

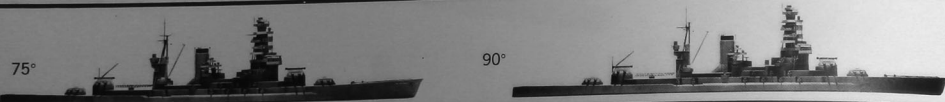


225°



NAGATO CLASS—BB 9-10

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—DECEMBER, 1942



KNOTS	RPM	KNOTS	RPM	KNOTS	RPM	KNOTS	RPM
400	300	300	200	200	100	100	75
375	275	275	175	175	75	75	50
350	250	250	150	150	50	50	25
325	225	225	125	125	25	25	
26	330						



ONI 41-42



NAGATO CLASS—BB9-10

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—OCTOBER, 1942

NAGATO—BB9
MUTSU—BB10

BEGUN	COMPLETED	MODERNIZED
8/28/17	11/25/20	1935
6/1 /18	10/24/21	1936

ONI 41-42

CARRIERS



NAGATO-1938 ↓

↑ MUTSU-DEC. 1938





↑ SHOKAKU CLASS

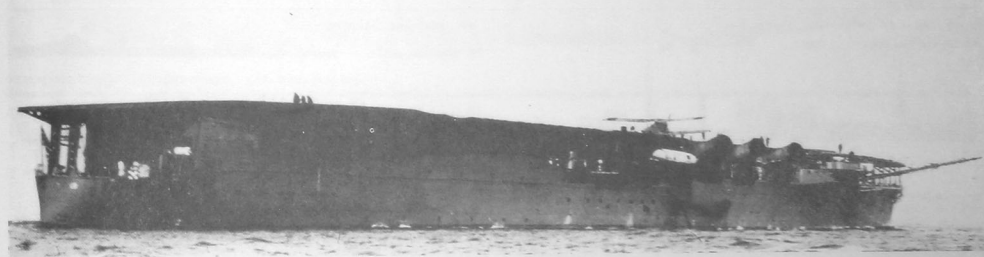


HOSHO ↓



↑ CHIYODA

MIZUHO (TOP)





JAPANESE AIRCRAFT CARRIERS

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—AUGUST, 1943

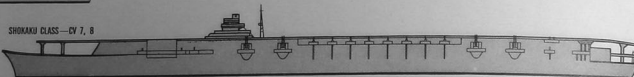
HOSHO—CV1



ZUHO CLASS—CV 9, 10—SILHOUETTE PROVISIONAL



SHOKAKU CLASS—CV 7, 8

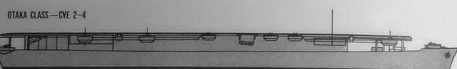


EX-ARGENTINA MARU—CVE 1



SILHOUETTES ARE PROVISIONAL

OTAKA CLASS—CVE 2-4



CVE—ESCORT AIRCRAFT CARRIERS

These are the only units on which any appearance data is known. However, specific instances of the conversion of tenders, passenger ships, cargo hulls, and oilers have been reported.

XCVS—APV—CONVERTED MERCHANT SHIPS

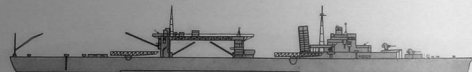
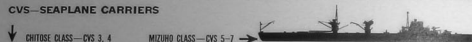
KAMIKAWA MARU CLASS—XCVS 1, 3, 7, 9, TYPICAL



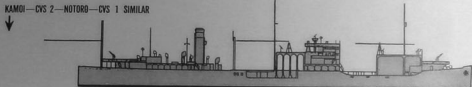
CVS—SEAPLANE CARRIERS

CHITOSE CLASS—CVS 3, 4

MIZUHO CLASS—CVS 5-7



KAMOI—CVS 2—MOTONO—CVS 1 SIMILAR



CV—AIRCRAFT CARRIERS

Of the 10 Fleet Aircraft Carriers the Japanese had in operation prior to the outbreak of war 5 or more have been sunk—the Akagi, Kaga, Ryujo, Soryu, and Hiryu, while other units are believed sunk, but unverified.

ONI 41-42

ONI 41-42

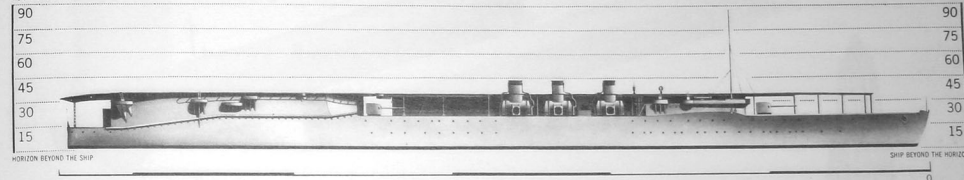
ALSO SPELLED HOSYO

HOSHO—CV 1

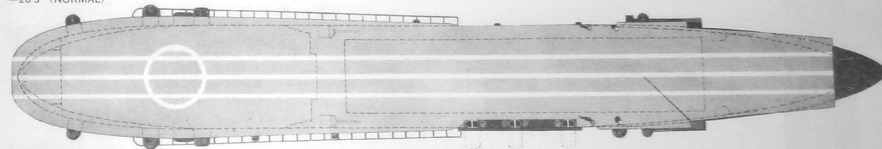
DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942



HEIGHT OF OBSERVER



LENGTH—540'6" OA—531' WL
BEAM —62'
DRAFT —20'3" (NORMAL)



DISPLACEMENT—7,470 TONS (STANDARD)—9,500 TONS (NORMAL)

ARMAMENT

4-5'5 (50)
72-3" (40)
—AAMG
36 AIRCRAFT—12 FIGHTER
12 SCOUT OBSERVATION
12 TORPEDO BOMBER

MAX. ELEV.

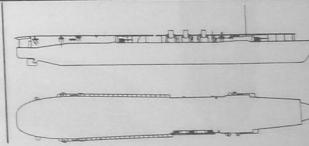
30°
85°

RANGE

19,000 YD.
6,000 YD.

PROPULSION

MACHINERY— 2 GEARED TURBINES
BOILERS— 8 KAMPON
FUEL— OIL 1,500 TONS
DESIGNED HP— 30,000
DESIGNED SPEED— 26 KNOTS
ENDURANCE— 2,170 @ 26 KNOTS
8,680 @ 12 KNOTS



This category includes the 5 large Fleet Seaplane Tenders, the older converted freighters, and a miscellaneous assortment of merchant ships. The dual function of all of these vessels is the supplying of Operational Seaplane Commands and the ferrying of aircraft.

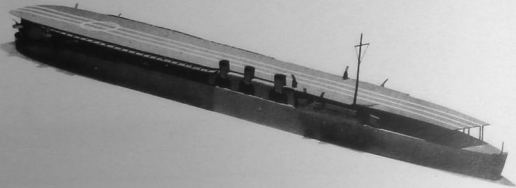


HOSHO—CV1

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION — DECEMBER, 1942



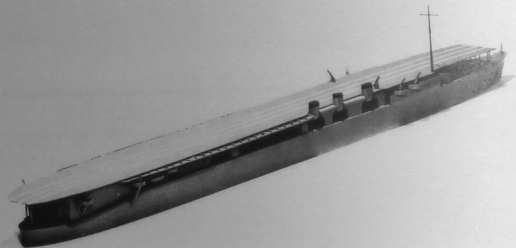
45°



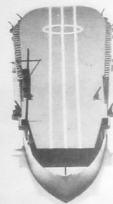
90°



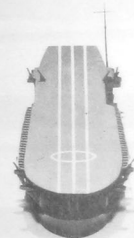
135°



0°

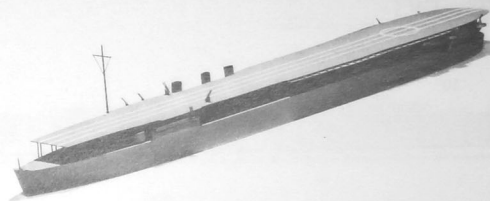


180°

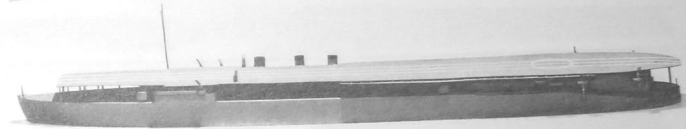


ONI 41-42

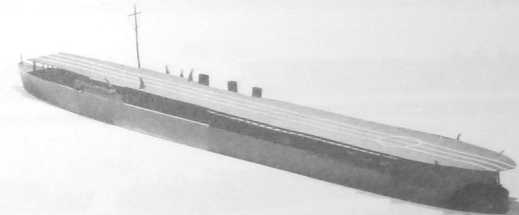
315°



270°



225°



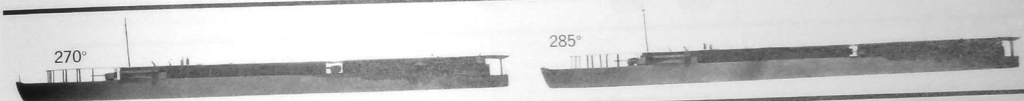
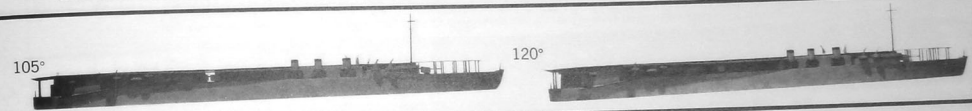


HOSHO-CV1

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942



ONI 41-42



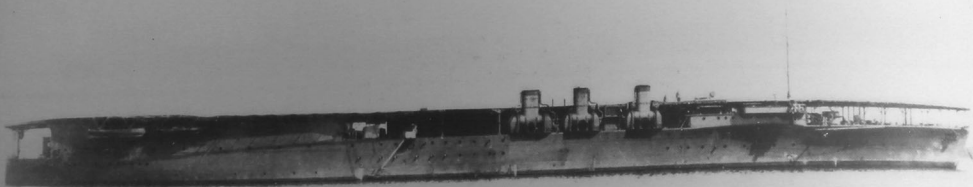


HOSHO—CV1

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

BEGUN — DECEMBER 16, 1919
COMPLETED — DECEMBER 27, 1922

ONI 41-42



JAPAN'S FIRST CARRIER, ALSO FIRST BUILT AS A CARRIER

1939 ↓



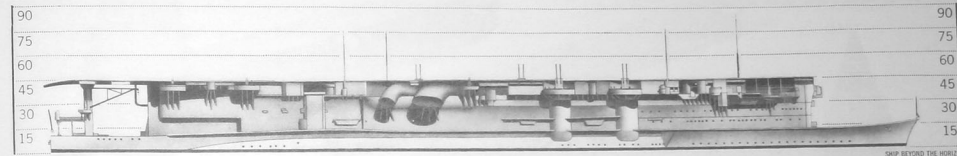
ONI 41-42

ALSO SPELLED RYUZO

RYUJO—CV 4

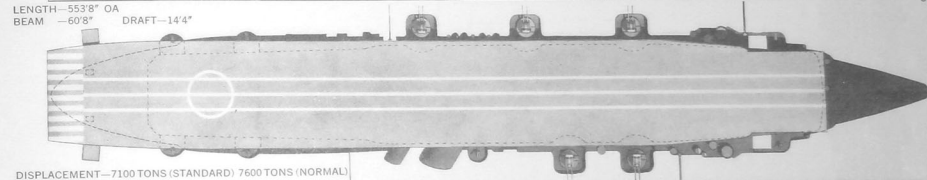
DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

HEIGHT OF OBSERVER



HORIZON BEYOND THE SHIP

LENGTH—553'8" OA
BEAM —60'8" DRAFT—14'4"



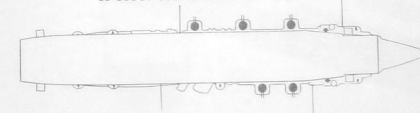
DISPLACEMENT—7100 TONS (STANDARD) 7600 TONS (NORMAL)

ARMAMENT

10-5" AA TWIN MOUNTS
24 AAMG
32 AIRCRAFT—16 FIGHTER
16 SCOUT OBSERVATION OR DIVE BOMBERS

MAX. ELEV.
85°

RANGE
18,000 YD.

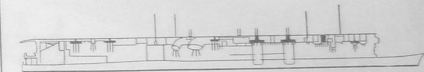


PROPULSION

MACHINERY —2 TURBINES
BOILERS— ? KAMPON
FUEL— OIL 2000 TONS
DES HP— 40,000
DES SPEED— 25 KNOTS
ENDURANCE—3200 @ 25 KNOTS
9500 @ 12 KNOTS

PROTECTION

BLISTER AND
COMPARTMENTATION



KNOTS	RPM
—	400
—	375
—	350
—	325
—	300
—	275
—	250
—	225
—	200
—	175
—	150
—	125
—	100

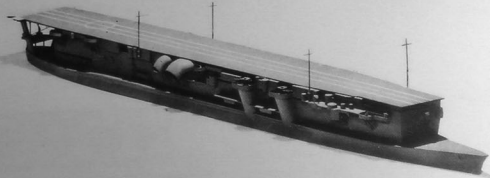


RYUJO—CV 4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION
AND CHARACTERISTICS SECTION —DECEMBER, 1942



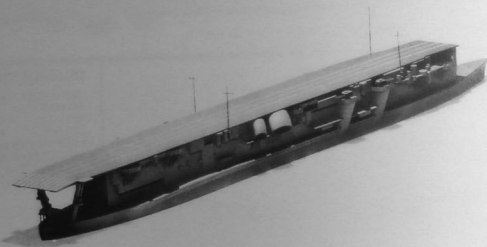
45°



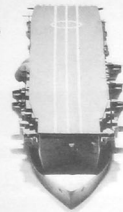
90°



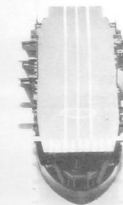
135°



0°

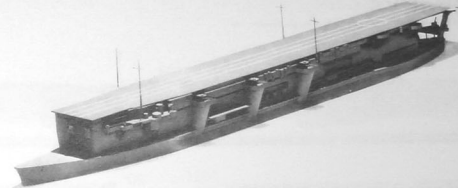


180°



ONI 41-42

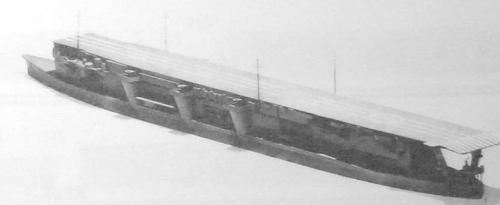
315°



270°



225°





RYUJO-CV4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

ONI 41-42





RYUJO—CV 4

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—NOVEMBER, 1942

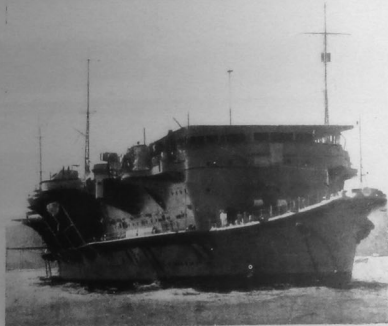
BEGUN—FEBRUARY 4, 1931. COMPLETED—1933
NOTE—ZUIHO, CONVERTED IN 1940, IS REPORTED TO RESEMBLE RYUJO WITH THE ADDITION OF A MUCH HIGHER BOW.

ONI 41-42



1938 ↓

↑ JUNE 6, 1935



ONI 41-42

★ SHOKAKU CLASS—CV7-8

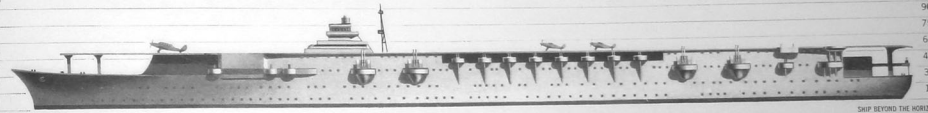
DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—OCTOBER, 1942



HEIGHT OF OBSERVER

120
105
90
75
60
45
30
15

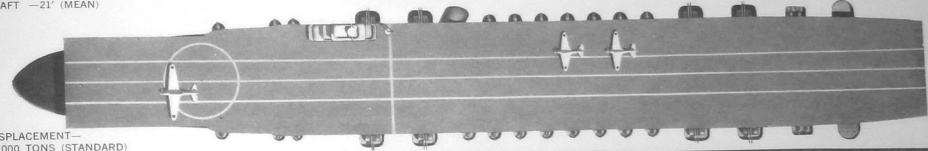
HORIZON BEYOND THE SHIP



SHIP BEYOND THE HORIZON

LENGTH—826' OA—792' WL
BEAM —93'
DRAFT —21' (MEAN)

★ BASED ON INCOMPLETE INFORMATION



DISPLACEMENT—
15,000 TONS (STANDARD)

ARMAMENT

16-5" TWIN MOUNTS —18-21
AIRCRAFT—VF —18-21
VOB OR VSB —18-21
VTB —18-21

MAX. ELEV. 85°

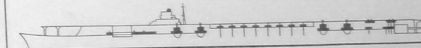
RANGE 18,000 YD.

PROPULSION

MACHINERY—GEARED TURBINES
BOILERS—
FUEL—OIL—3500 TONS
DESIGNED HP—
DESIGNED SPEED—30 KNOTS (?)
ENDURANCE—3900 @ 30(?) KNOTS
14,000 @ 12 KNOTS

KNOTS RPM

420
400
350
300
275
250
245
240
220
200
160
150
120
80





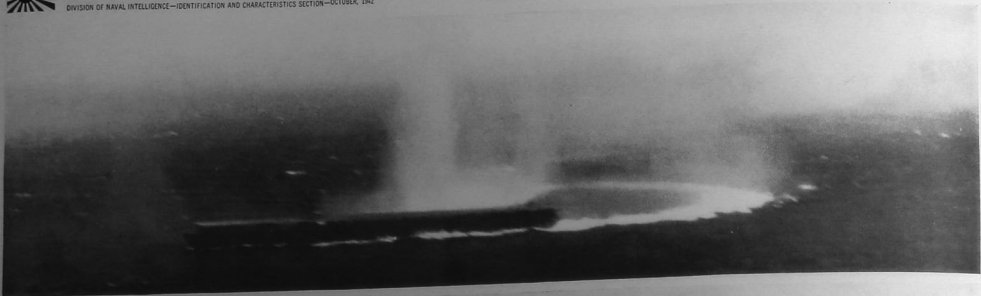
SHOKAKU CLASS—CV7-8

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—OCTOBER, 1942

SHOKAKU—CV7
ZUIKAKU—CV8

BEGUN	COMPLETED
12/11/37	8/ /40
1938	1941

ONI 41-42



CORAL SEA—MAY 8, 1942

ONI 41-42

ALL DATA AND DRAWINGS
PROVISIONAL

CV-CVE ESCORT AIRCRAFT CARRIERS



DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—AUGUST, 1943

SHOKAKU CLASS CV 7, 8

RECENT REPORTS INDICATE—DISPLACEMENT 20,000 TONS (STANDARD)
—72 AIRCRAFT CARRIED

HITAKA CLASS CV 11, 12 (CONVERTED 1942)

LENGTH— 720'
ARMAMENT— 16-5" AA
AIRCRAFT— 48-60
DESIGNED SPEED—28 KNOTS
HITAKA (HIYO) CV 11 (EX-IZUMO MARU)
HAYATAKA (JUNYO) CV 12 (EX-KASHIWARA MARU)

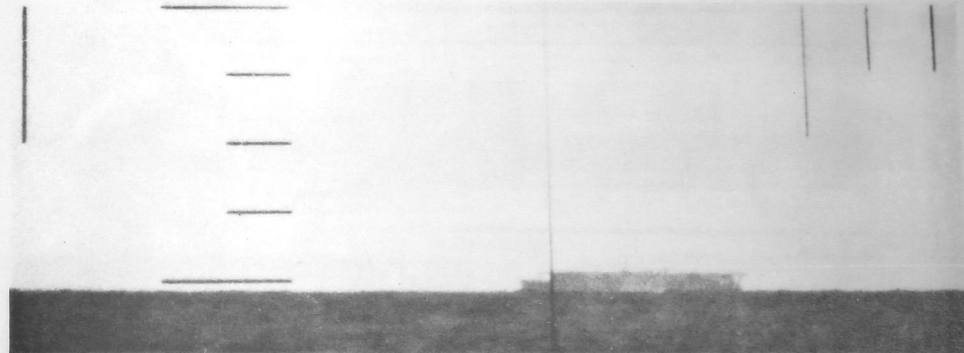
ZUIHO CLASS CV 9, 10 (EX-AS TAKASAKI—CONVERTED 1940)

LENGTH— 660' O.A.
DISPLACEMENT— 15,000 (?) TONS (STANDARD)
DESIGNED SPEED—25 (?) KNOTS
AIRCRAFT— 36 PLANES CARRIED
SHOHO CV 10— REPORTED SUNK 5/7/42



↑ PROBABLY ZUIHO CLASS ↓

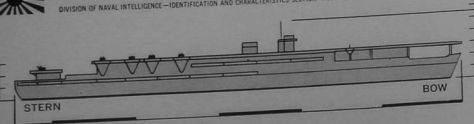
PHOTO 4/7/43



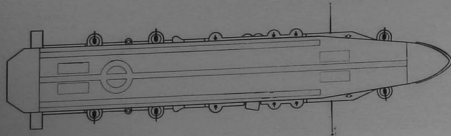
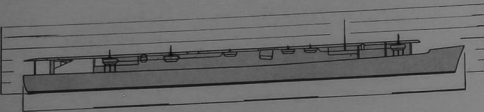
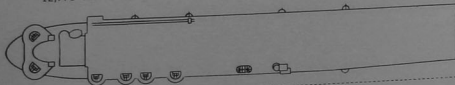


CVE ESCORT AIRCRAFT CARRIER

DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—AUGUST, 1943



LENGTH—545' OA, 516' WL, 450' FLIGHT DECK
BEAM— 69' HULL, 74' FLIGHT DECK
DRAFT— 29' (MAXIMUM—PRE-CONVERSION)
12,775 TONS (GROSS—PRE-CONVERSION)

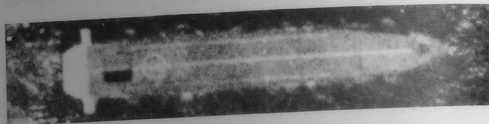


← CVE 1—(EX-ARGENTINA MARU TYPE) COMPLETED 1939—CONVERTED 1942

ARMAMENT— 6 HEAVY AA MOUNTS
5 AAMG MOUNTS
AIRCRAFT— 30 (?)
PROPULSION—(PRE-CONVERSION)—
MACHINERY— DIESEL
FUEL— OIL
BRAKE HP— 16,500
DESIGNED SPEED—21 KNOTS

OTAKA CLASS CVE 2-4

DIMENSIONS— 591' OA x 74' (PRE-CONVERSION)
22,500 TONS (PRE-CONVERSION)
ARMAMENT— 6-5" (?) AA
AIRCRAFT— 48 PLANES CARRIED
DESIGNED SPEED—23 KNOTS
OTAKA CVE 2 (EX-KASUGA MARU)
UNYO CVE 3 (EX-YAWATA MARU)
CHUYO CVE 4 (EX-NITTA MARU)
CONVERSION COMPLETED 1941



ONI 41-42

ONI 41-42

KAMOI—CVS 2



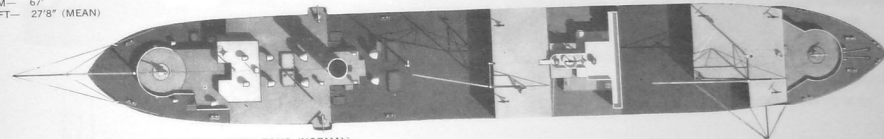
DIVISION OF NAVAL INTELLIGENCE—IDENTIFICATION AND CHARACTERISTICS SECTION—APRIL, 1943

HEIGHT OF OBSERVER

120
105
90
75
60
45
30
15

HORIZON BEYOND THE SHIP

LENGTH—496' OA—478'6" P.P.
BEAM— 67'
DRAFT— 27'8" (MEAN)



DISPLACEMENT—17,000 TONS (STANDARD)—19,550 TONS (NORMAL)

ARMAMENT

2-5'5
2-3'15 A.A.
9 SEAPLANES

MAX. ELEV.

RANGE

PROPULSION

MACHINERY— G.E. (Curtis) TURBINES AND ELECTRIC DRIVE
BOILERS— 4 YARROW
FUEL— COAL, 2,500 TONS
DESIGNED HP— 8,000
DESIGNED SPEED—15 KNOTS
ENDURANCE— 10,000 @ 10 KNOTS
9,000 @ 15 KNOTS

KTS

RPM

400
375
350
325
300
275
250
225
200
150
100
50