



Makaze (Harukaze)

DD JAPAN 1923 to 1941
1768-0 KAMIKAZE Class

Displacement
Complement
BU 00/00/1947

1,400 ts Length 327 ft Maizuru Navy Yard
148 Beam 30 ft Launched 12/18/1922
Draft 9.6 ft Completed 05/31/1923



SHIP LOG SHEET

Version 3/6/2009

4 x 12cm/45 Type 10

12

Max ROF 8.0 sh/min		Range 17,500 yds 35.0"		Shell Size/Weight 4.7" 45.0 lbs.	
Fire Control 1 1Q2		FC Radar None		AP SAP COM HE	
AA	2.1 Level V	Ammunition 160 rpg 640			

FIRE CONTROL TABLE								
T Kts	Short	Medium	Long	Extreme				
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

HE		PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000	
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5							
Rge	S	S	S	M	M	L	E	E							
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7							
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2							

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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1		TORPEDOES	
TT	6	Ammo	6
53cm Type 6			
Damage Class	E		
Settings			
7,600/36			
11,000/32			
17,000/27			
2		MINES	
3		20	

RAPID FIRE BATTERIES

RF1	None			
Max Rg				
Eff Rg				
RF	Port			
0	Stbd			
AA	Port			
	Stbd			
RF2	None			
Max Rg				
Eff Rg				
RF	Port			
0	Stbd			
AA	Port			
	Stbd			
RF3	None			
Max Rg				
Eff Rg				
RF	Port			
0	Stbd			
AA	Port			
	Stbd			

Captain _____

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	Search Radar				ASW MORTARS/ATW			DEPTH CHARGES		
Engines	2 Parsons GT			3600	14	None				0		Rack	0	
Boilers	4 Kampon					None				None		Ammo	0	



Makaze (Harukaze)

DD JAPAN

1942 to 1944

1768-1 KAMIKAZE Class

Displacement
Complement
BU 00/00/1947

1,500 ts
148

Length 327 ft
Beam 30 ft
Draft 9.6 ft

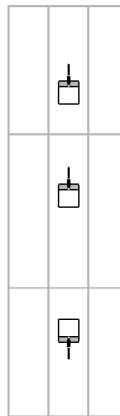
Maizuru Navy Yard

Launched 12/18/1922
Completed 05/31/1923



SHIP LOG SHEET

Version 3/6/2009



3 x 12cm/45 Type 10

12

Max ROF		Range		Shell Size/Weight	
8.0	sh/min	17,500 yds	35.0"	4.7"	45.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Q2	None		COM	HE
AA	2.1	Level	V	Ammunition	160 rpg 480

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	14	9	9	6	7	4
10 - 18	10	6	7	4	5	3
19 - 27	8	5	5	3	4	3
28 - 36	7	4	5	3	3	2
37 - 45	6	4	4	3	3	2

HE	PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

Captain

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES	
TT	4 Ammo 4
53cm Type 6	
Damage Class	E
Settings	
	7,600/36
	11,000/32
	17,000/27
MINES	
	0

RAPID FIRE BATTERIES

RF1	10	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF	Port	5	4	3	2	1
5	Stbd	5	4	3	2	1

AA	Port	20	16	11	7	3
M	Stbd	20	16	11	7	3

RF2	None					
Max Rg						
Eff Rg						

RF	Port					
0	Stbd					

AA	Port					
	Stbd					

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS
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Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	3600 14		Search Radar	None		ASW MORTARS/ATW	4 K-Guns		DEPTH CHARGES	Rack 0		
Engines	2 Parsons GT							None			None			Ammo 18		
Boilers	4 Kampon															

TIER	DP	DP	704													Fuel Code	DD5D
1/70	70	KTS	35														
2/80	141																
3/75	211	Engine Rm	1	35	0	0	0	0	0	0	Standard Turn	Target Sz					
4/85	282	Prop/Shaft	2	35	18	0	0	0	0	0	90	0					
5/80	352	Boiler Rm	2	35	22	0	0	0	0	0	Emergency Turn	Searchlights					
6/90	415											120	Port	Stbd			
7/85	479	Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt				Crew						
8/95	542	Increase	11.0	8.0	5.0	3.0	1.0										
9/90	605																
10	669	Bridge Command Rating	Flag Command Rating			Damage Control (DCR)											
10	711							2									

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER	
																					AF	Obey signals from Flagship
																					AI	Independent Action
																					AX	Battle Stations!
																					AA	Abandon ship!
																					AZ	Strike colors
COURSE AND SPEED																						
																					CA	Midships steady
																					CP #	Alter course to PORT
																					CS #	Alter course to STARBOARD
																					SF	Ahead full
																					SR#	Revolutions for # knots
																					SA	Full astern
																					SS	All stop
ILLUMINATION AND EVASION																						
																					EX	Evasive action
																					KX	Lay smoke
																					IS ##	Illuminate using starshell
																					IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																						
																					TR (X)	Prepare to launch torpedoes to (X)
																					TL (X)	Launch torpedoes to (X)
																					VL	Prepare to launch aircraft
																					VX	Launch aircraft
PRIMARY BATTERY																						
																					B1D	Directed fire as range permits
																					B1V	Coordinated fire
																					B1L	Local control as range permits
																					B1P	Split fire
																					B1C	Change target
																					B1B	Barrage fire as range permits
RF BATTERY																						
																					R5B	Barrage fire as range permits
																					R6B	Barrage fire as range permits
																					R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS																			
KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS	
DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING							
T#	Fire	Current Severity		T#	Fire	Current Severity	

FIGHTING SHIPBOARD FIRES			
NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFFECT ON FIRE	ROLL	EFFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity



No. 11 (Oite)

DD JAPAN 1942 to 1944

1771-1 KAMIKAZE Class

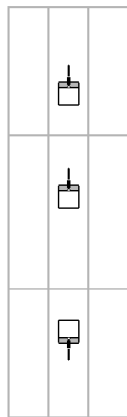
Displacement
Complement
Sunk 02/17/1944

1,500 ts Length 327 ft
148 Beam 30 ft Uraga, Tokyo
Draft 9.6 ft Launched 11/27/1924
Completed 10/30/1925



SHIP LOG SHEET

Version 3/6/2009



3 x 12cm/45 Type 10

12

FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme			
0 - 9	14	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4
19 - 27	8	5	5	3	4	3	2
28 - 36	7	4	5	3	3	2	3
37 - 45	6	4	4	3	3	2	3

Max ROF		Range		Shell Size/Weight	
8.0	sh/min	17,500 yds	35.0"	4.7"	45.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Q2	None		COM	HE
AA	2.1	Level	V	Ammunition	160 rpg 480

HE	PENETRATION TABLE														
	Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5							
Rge	S	S	S	M	M	L	E	E							
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7							
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2							

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	4	Ammo	4
53cm Type 6			
Damage Class	E		
Settings			
	7,600/36		
	11,000/32		
	17,000/27		

MINES

0

RAPID FIRE BATTERIES

RF1	10	25mm/60 Type 96				
Max Rg	7,440	14.9"	7	5		
Eff Rg	3,348	6.7"	11	8		
RF	Port	5	4	3	2	1
5	Stbd	5	4	3	2	1
AA	Port	20	16	11	7	3
M	Stbd	20	16	11	7	3

RF2	None				
Max Rg					
Eff Rg					

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3	None				
Max Rg					
Eff Rg					

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain _____

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	2 Parsons GT			3600	14	None		4 K-Guns		Rack 0	
Boilers	4 Kampon					None		None		Ammo 18	

DP 680, KTS 38, Engine Rm, Prop/Shaft, Boiler Rm, Speed, Bridge Command Rating, Flag Command Rating, Damage Control (DCR)

Fuel Code DD5D, ARMOR 1.00, Actual, 1H DECK 0.0, 2H TURRET 0.0, 3H SUPERSTR 0.0, 4V CON 0.0, 5V BELT MID 0.0, 6V BELT END 0.0, 7V BARBETTE 0.0, 8V TURRET 0.0, 9V SUPERSTR 0.0

T# DE # SEVERITY DESCRIPTION

1-20 CODE ORDER, COURSE AND SPEED, ILLUMINATION AND EVASION, TORPEDO AND AIRCRAFT, PRIMARY BATTERY, RF BATTERY

LOSS OF SPEED DURING TURNS, KTS 4-40, STD 3.0-30.0, E/EA NA

TURNING SEGMENTS, DEG OF TURN, SEGMENTS

SHIPBOARD FIRE TRACKING, T# Fire Current Severity

FIGHTING SHIPBOARD FIRES, NO DAMAGE CONTROL, DAMAGE CONTROL

TIER DP DP 680 Fuel Code DD5D
1/70 68 KTS 38
2/80 136
3/75 204
4/85 272
5/80 340
6/90 401
7/85 462
8/95 524
9/90 585
10 646
10 687

Fuel Code DD5D

T# DE # SEVERITY DESCRIPTION
1H DECK 0.0 0.0
2H TURRET 0.0 0.0
3H SUPERSTR 0.0 0.0
4V CON 0.0 0.0
5V BELT MID 0.0 0.0
6V BELT END 0.0 0.0
7V BARBETTE 0.0 0.0
8V TURRET 0.0 0.0
9V SUPERSTR 0.0 0.0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 CODE ORDER
AF Obey signals from Flagship
AI Independent Action
AX Battle Stations!
AA Abandon ship!
AZ Strike colors
COURSE AND SPEED
CA Midships steady
CP # Alter course to PORT
CS # Alter course to STARBOARD
SF Ahead full
SR# Revolutions for # knots
SA Full astern
SS All stop
ILLUMINATION AND EVASION
EX Evasive action
KX Lay smoke
IS ## Illuminate using starshell
IL # Illuminate using searchlight
TORPEDO AND AIRCRAFT
TR (X) Prepare to launch torpedoes to (X)
TL (X) Launch torpedoes to (X)
VL Prepare to launch aircraft
VX Launch aircraft
PRIMARY BATTERY
B1D Directed fire as range permits
B1V Coordinated fire
B1L Local control as range permits
B1P Split fire
B1C Change target
B1B Barrage fire as range permits
RF BATTERY
R5B Barrage fire as range permits
R6B Barrage fire as range permits
R7B Barrage fire as range permits

LOSS OF SPEED DURING TURNS
KTS 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40
STD 3.0 4.5 6.0 7.5 9.0 10.5 12.0 13.5 15.0 16.5 18.0 19.5 21.0 22.5 24.0 25.5 27.0 28.5 30.0
E/EA NA NA NA NA 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0

TURNING SEGMENTS
DEG OF TURN SEGMENTS
TO 15 2 Segments*
16 TO 45 2 Segments
46 TO 90 3 Segments
91 TO 135 4 Segments
136 TO 180 5 Segments

SHIPBOARD FIRE TRACKING
T# Fire Current Severity
T# Fire Current Severity

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL DAMAGE CONTROL
ROLL EFFECT ON FIRE ROLL EFFECT ON FIRE
01-03 -20 from severity 01-05 Fire extinguished
04-12 -10 from severity 06-15 -30 from severity
13-50 No change 16-45 -20 from severity
51-85 +10 to severity 46-75 -10 from severity
86-95 +30 to severity 76-90 No change
96-00 +40 to severity 91-00 +10 to severity



No. 15 (Asanagi)

DD JAPAN
1773-1 KAMIKAZE Class

1942 to 1944

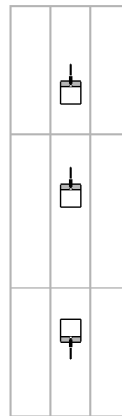
Displacement
Complement
Sunk 05/22/1944

1,500 ts Length 327 ft Fujinagata, Osaka
148 Beam 30 ft Launched 04/21/1924
Draft 9.6 ft Completed 12/29/1924



SHIP LOG SHEET

Version 3/6/2009



3 x 12cm/45 Type 10

12

Max ROF	Range	Shell Size/Weight
8.0 sh/min	17,500 yds 35.0"	4.7" 45.0 lbs.

Fire Control	FC Radar	+ 0	AP	SAP
1 1Q2	None		COM	HE

AA	2.1	Level	V	Ammunition	160 rpg	480
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FIRE CONTROL TABLE									
T Kts	Short		Medium		Long		Extreme		
0 - 9	14	9	9	6	7	4	6	4	4
10 - 18	10	6	7	4	5	3	4	3	3
19 - 27	8	5	5	3	4	3	3	2	2
28 - 36	7	4	5	3	3	2	3	2	2
37 - 45	6	4	4	3	3	2	3	2	2

HE	PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES	
TT	4 Ammo 4
53cm Type 6	
Damage Class	E
Settings	
	7,600/36
	11,000/32
	17,000/27
MINES	
	0

RAPID FIRE BATTERIES

RF1	10	25mm/60 Type 96				
Max Rg	7,440	14.9"	7	5		
Eff Rg	3,348	6.7"	11	8		
5	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA	Port	20	16	11	7	3
	Stbd	20	16	11	7	3

RF2	None				
Max Rg					
Eff Rg					
0	Port				
	Stbd				
AA	Port				
	Stbd				

RF3	None				
Max Rg					
Eff Rg					
0	Port				
	Stbd				
AA	Port				
	Stbd				

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	3600	14	Search Radar	None	ASW MORTARS/ATW	4 K-Guns	Rack	0	DEPTH CHARGES	Ammo	18
Engines	2 Parsons GT						None		None						
Boilers	4 Kampon						None								



No. 17 (Yunagi)

DD JAPAN

1774-0 KAMIKAZE Class

1925 to 1941

Displacement
Complement
Sunk 08/25/1944

1,400 ts
148

Length
Beam
Draft

327 ft
30 ft
9.6 ft

Sasebo Navy Yard
Launched
Completed

04/23/1924
04/24/1925



SHIP LOG SHEET

Version 3/6/2009

4 x 12cm/45 Type 10

12

FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme
0 - 9	14	9	9	6
10 - 18	10	6	7	4
19 - 27	8	5	5	3
28 - 36	7	4	5	3
37 - 45	6	4	4	3

Max ROF		Range		Shell Size/Weight	
8.0 sh/min		17,500 yds 35.0"		4.7" 45.0 lbs.	
Fire Control		FC Radar		+ 0	
1 1Q2		None			
AA	2.1	Level	V	Ammunition	160 rpg 640

PENETRATION TABLE

HE	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	6	Ammo	6
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53cm Type 6

Damage Class	E
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Settings

7,600/36

11,000/32

17,000/27

MINES

20

RAPID FIRE BATTERIES

RF1 None

Max Rg	
Eff Rg	

RF	Port					
0	Stbd					

AA	Port				
	Stbd				

RF2 None

Max Rg	
Eff Rg	

RF	Port					
0	Stbd					

AA	Port				
	Stbd				

RF3 None

Max Rg	
Eff Rg	

RF	Port					
	Stbd					

AA	Port				
	Stbd				

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	2 Parsons GT			3600 14		None		0		Rack 0	
Boilers	4 Kampon					None		None		Ammo 0	



No. 17 (Yunagi)

DD JAPAN 1942 to 1944

1774-1 KAMIKAZE Class

Displacement
Complement
Sunk 08/25/1944

1,500 ts Length 327 ft Sasebo Navy Yard
148 Beam 30 ft Launched 04/23/1924
Draft 9.6 ft Completed 04/24/1925



SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 Type 10

12

Max ROF		Range		Shell Size/Weight	
8.0	sh/min	17,500 yds	35.0"	4.7"	45.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Q2	None		COM	HE
AA	2.1	Level	V	Ammunition	160 rpg 480

FIRE CONTROL TABLE					
T Kts	Short	Medium	Long	Extreme	
0 - 9	14	9	9	6	7 4 6 4
10 - 18	10	6	7	4	5 3 4 3
19 - 27	8	5	5	3	4 3 3 2
28 - 36	7	4	5	3	3 2 3 2
37 - 45	6	4	4	3	3 2 3 2

HE		PENETRATION TABLE												
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT	
Aircraft	0
Catapult	0

TORPEDOES	
TT	4 Ammo 4
53cm Type 6	
Damage Class	E
Settings	
	7,600/36
	11,000/32
	17,000/27
MINES	
	0

RAPID FIRE BATTERIES

RF1	10	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF	Port	5	4	3	2	1
	Stbd	5	4	3	2	1

AA	Port	20	16	11	7	3
	Stbd	20	16	11	7	3

RF2	None				
Max Rg					
Eff Rg					

RF	Port					
	Stbd					

AA	Port					
	Stbd					

RF3	None				
Max Rg					
Eff Rg					

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Captain	
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T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	Search Radar	ASW MORTARS/ATW	DEPTH CHARGES		
Engines	2 Parsons GT		3600 14	None	4 K-Guns	Rack	0		
Boilers	4 Kampon			None	None	Ammo	18		



No. 7 (Matsukaze)

DD JAPAN

1924 to 1941

1769-0 KAMIKAZE Class

Displacement
Complement
Sunk 06/09/1944

1,400 ts
148

Length
Beam
Draft

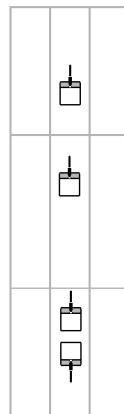
327 ft
30 ft
9.6 ft

Maizuru Navy Yard
Launched
Completed
10/30/1923
04/05/1924



SHIP LOG SHEET

Version 3/6/2009



4 x 12cm/45 Type 10

12

Max ROF		Range		Shell Size/Weight	
8.0	sh/min	17,500 yds	35.0"	4.7"	45.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Q2	None		COM	HE
AA	2.1	Level	V	Ammunition	160 rpg 640

FIRE CONTROL TABLE								
T Kts	Short	Medium	Long	Extreme				
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

HE		PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000		
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5								
Rge	S	S	S	M	M	L	E	E								
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7								
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2								

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

1	TT	6	Ammo	6
	53cm Type 6			
	Damage Class	E		
	Settings			
		7,600/36		
		11,000/32		
		17,000/27		
	MINES			
		20		

RAPID FIRE BATTERIES

RF1	None			
Max Rg				
Eff Rg				
RF	Port			
0	Stbd			
AA	Port			
	Stbd			
RF2	None			
Max Rg				
Eff Rg				
RF	Port			
0	Stbd			
AA	Port			
	Stbd			
RF3	None			
Max Rg				
Eff Rg				
RF	Port			
	Stbd			
AA	Port			
	Stbd			

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	2 Parsons GT			3600	14	None		0		Rack	0
Boilers	4 Kampon					None		None		Ammo	0



No. 7 (Matsukaze)

DD JAPAN 1942 to 1944

1769-1 KAMIKAZE Class

Displacement
Complement
Sunk 06/09/1944

1,500 ts
148

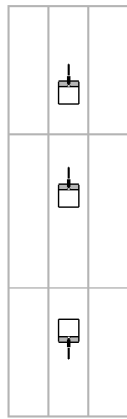
Length 327 ft
Beam 30 ft
Draft 9.6 ft

Maizuru Navy Yard
Launched 10/30/1923
Completed 04/05/1924



SHIP LOG SHEET

Version 3/6/2009



3 x 12cm/45 Type 10

12

FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme
0 - 9	14	9	9	6 7 4 6 4
10 - 18	10	6	7	4 5 3 4 3
19 - 27	8	5	5	3 4 3 3 2
28 - 36	7	4	5	3 3 2 3 2
37 - 45	6	4	4	3 3 2 3 2

Max ROF		Range		Shell Size/Weight	
8.0	sh/min	17,500 yds	35.0"	4.7"	45.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Q2	None		COM	HE
AA	2.1	Level	V	Ammunition	160 rpg 480

HE

PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	4	Ammo	4
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53cm Type 6

Damage Class	E
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Settings

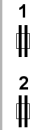
7,600/36

11,000/32

17,000/27

MINES

0



RAPID FIRE BATTERIES

RF1	10	25mm/60 Type 96		
Max Rg	7,440	14.9"	7	5
Eff Rg	3,348	6.7"	11	8

RF	Port	5	4	3	2	1
5	Stbd	5	4	3	2	1

AA	Port	20	16	11	7	3
M	Stbd	20	16	11	7	3

RF2

None
Max Rg
Eff Rg

RF	Port					
0	Stbd					

AA	Port					
	Stbd					

RF3

None
Max Rg
Eff Rg

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES		
Engines	2 Parsons GT		3600	14	None		4 K-Guns	Rack	0		
Boilers	4 Kampon				None		None	Ammo	18		



No. 9 (Hatakaze)

DD JAPAN 1924 to 1941
1770-0 KAMIKAZE Class

Displacement
Complement
Sunk 01/15/1945

1,400 ts
148

Length
Beam
Draft

327 ft
30 ft
9.6 ft

Maizuru Navy Yard
Launched 03/15/1924
Completed 08/30/1924



SHIP LOG SHEET

Version 3/6/2009

4 x 12cm/45 Type 10

12

FIRE CONTROL TABLE										
T Kts	Short			Medium			Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4	6	4
10 - 18	10	6	7	4	5	3	4	3	4	3
19 - 27	8	5	5	3	4	3	3	2	3	2
28 - 36	7	4	5	3	3	2	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2	3	2

Max ROF	8.0 sh/min		Range	17,500 yds 35.0"		Shell Size/Weight	4.7" 45.0 lbs.		
Fire Control	1	1Q2	FC Radar	None		AP	SAP	COM	HE
AA	2.1	Level	V	Ammunition	160 rpg	640			

HE		PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000	
ROF	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5							
Rge	S	S	S	M	M	L	E	E							
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7							
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2							

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

1	TT	6	Ammo	6
53cm Type 6	Damage Class	E		
Settings				
7,600/36				
11,000/32				
17,000/27				
MINES				
20				

RAPID FIRE BATTERIES

RF1	None			
Max Rg				
Eff Rg				

RF	Port				
0	Stbd				
AA	Port				
	Stbd				

RF2	None			
Max Rg				
Eff Rg				

RF	Port				
0	Stbd				
AA	Port				
	Stbd				

RF3	None			
Max Rg				
Eff Rg				

RF	Port				
	Stbd				
AA	Port				
	Stbd				

Captain

T#	BTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	0	Oil (ts)	420	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES		
Engines	2 Parsons GT			3600	14	None		0		Rack	0
Boilers	4 Kampon					None				Ammo	0

