

# MERCURY PROPELLER APPLICATION CHARTS

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### MERCURY OUTBOARD APPLICATION CHARTS

#### Mercury/Mariner Thruster Electric Fishing Motors

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model	Application
11	4	Plastic	2		N/A	Black Machete	MotorGuide
11	5	Plastic	2		N/A	Clear Machete	R33, RX33, T33, R45, RL45, RX45, T45
9.3	3	Plastic	2		N/A	Clear Machete	Direct Drive
10	3.5	Plastic	2	48-MAF12406T	N/A	Clear Machete	MotorGuide

#### Mercury/Mariner 2.5 - 3.5 HP Outboard

2.5 and 3.3 HP Two Stroke  
 2.5 and 3.5 HP FourStroke 2007 and Newer  
 Pin Drive  
 Shear Pin for Plastic 17-815111  
 Shear Pin for Aluminum 17-815111-1  
 Cotter Pin 18-95295

Diameter	Pitch	Material	Blades	RH Rotation	Model
7.4	6	Plastic	3	48-815083A01(1)	Black Max
7.4	7	Plastic	3	48-815083A02	Black Max

(1) Standard with 2.5 HP (Two and FourStroke), 3.5 HP FourStroke and 3.3 HP Two Stroke (Non-Shift)

#### Mercury/Mariner 4 - 6 HP Outboard

4-6 HP FourStroke (1999 and newer)  
 4 & 5 HP Two Stroke (1987 and newer)  
 12 Tooth Spline  
 Thrust Washer 16145 1  
 Aft Prop Washer 12-16146  
 Prop Nut 11-16147  
 Cotter Pin 18-815026

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
7.8	8	Alum	3	N/A	48-812950A02(2)	Black Max
7.8	7	Alum	3	N/A	48-812949A02	Black Max
8.4	6	Alum	3	N/A	48-812951A02(1)	Black Max High Thrust Sail

(1) Standard with 4 HP FourStroke

(2) Standard with 5 HP FourStroke and 6 HP FourStroke

#### Mercury/Mariner 8 - 9.9 HP FourStroke Outboard

8 - 9.9 FourStroke (2005 and newer)  
 12 Tooth Spline  
 Standard Gearcase Only  
 Forward Thrust Washer (Std. gearcase) 803743002  
 Aft Washer (Std. gearcase) 12-16146  
 Prop Nut 11-16147  
 Flo-Torq Rubber Hub 897453T  
 Cotter Pin 18-815026

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
8.7	5	Alum	4	N/A	48-812954A10	Std. Gearcase Black Max
8.9	7.5	Alum	3	N/A	48-897614A10(1)	Std. Gearcase Black Max
8.9	8.5	Alum	3	N/A	48-897618A10(2)	Std. Gearcase Black Max

(1) Standard with 8 HP.

(2) Standard with 9.9 HP.

## Mercury/Mariner 6 - 15 HP Outboard

6, 8, 9.9 and 15 HP Two Stroke  
 9.9 HP FourStroke (1995-2004)  
 15 HP FourStroke (2007 and earlier)  
 SeaPro/Marathon 10-15 HP  
 8 Tooth Spline  
 Flo-Torq Rubber Hub 827598T  
 Prop Nut Kit 11-13914A 2

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
9	10.5	Alum	3	N/A	48-828158A12	Black Max
9	9	Alum	3	N/A	48-828156A12(1)	Black Max
9	8	Alum	3	N/A	48-828154A12	Black Max
9.3	7	Alum	3	N/A	48-828152A12	Black Max
9.8	6.5	Alum	3	N/A	48-828150A12	Black Max

(1) Standard with 6, 8, 9.9, and 15 HP Two Strokes and SeaPro/Marathon 10 - 15HP

## Mercury/Mariner 9.9 - 25 HP Outboard

9.9 and 15 HP FourStroke Bigfoot (1999-2004)  
 20 & 25 HP Two Stroke Classic (1980-2006)  
 SeaPro/Marathon 25 HP  
 10 Tooth Spline  
 Prop Nut 11-88228  
 Forward Thrust Washer 858498  
 Prop Nut 11-40119-12  
 Flo-Torq Rubber Hub 19669T  
 Forward Thrust Washer 858498

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10.4	13	Alum	3	N/A	48-19640A40(1)	Black Max
10.4	12	Alum	3	N/A	48-19639A40	Black Max
10.4	11	Alum	3	N/A	48-19638A40(3)	Black Max
10.4	9.5	Alum	3	N/A	48-19636A10(2)	Black Max

(1) Standard with 20-25 HP

(2) Standard with 9.9 & 15 HP Bigfoot FourStroke (1999-2004)

(3) Standard with SeaPro/Marathon 25 HP

## Mercury/Mariner 9.9 - 20 HP FourStroke Outboard

9.9 HP Bigfoot/Command Thrust (CT) (2005 and newer)  
 9.9 HP Pro Kicker  
 15 - 20 HP (2008 and newer)  
 14 Tooth Spline  
 Forward Thrust Washer 803743  
 Aft Washer 12-16140 2  
 Prop Nut 11-16147 1  
 Flo-Torq Rubber Hub 8M0054769  
 Cotter Pin 18-815026 4

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	7	Alum	4	N/A	48-812950A10	Black Max(1)
10	7	Alum	4	N/A	48-812948A10	Black Max(2)
9.5	8	Alum	3	N/A	48-897748A11	Black Max
9.3	9	Alum	3	N/A	48-897750A11	Black Max(3)
9.3	10	Alum	3	N/A	48-897752A11	Black Max(4)
9.3	11.5	Alum	3	N/A	48-897754A11	Black Max

(1) Standard with 9.9 Bigfoot / Command Thrust (CT)

(2) Standard with 9.9 Pro Kicker, Painted Silver

(3) Standard with 15 HP FourStroke

(4) Standard with 20 HP FourStroke

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## Mercury/Mariner 25 - 30 HP FourStroke Outboard

25-30 HP FourStroke (2006 and newer)  
 10 Tooth Spline  
 Standard Gearcase Only  
 Forward Thrust Washer 161452  
 Cotter Pin 18-815026  
 Aft Washer 12-16140-2  
 Flo-Torq Rubber Hub 897001T  
 Prop Nut 11-161471

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	8	Alum	3	N/A	48-896890A10	Black Max
9.8	9.5	Alum	3	N/A	48-896892A40	Black Max
9.5	11	Alum	3	N/A	48-896896A40	Black Max
9.3	12.5	Alum	3	N/A	48-896900A40	Black Max
9.3	9.5	Alum	4	N/A	48-8M8026650	Spitfire
9.3	11	Alum	4	N/A	48-8M8026655	Spitfire
9.8	9.5	SS	3	N/A	48-899818A05	Vengeance
9.5	11	SS	3	N/A	48-899820A05	Vengeance

## Mercury/Mariner 25 HP Bigfoot/Command Thrust - 60 HP Outboard

25 HP Bigfoot/Command Thrust (CT) FourStroke  
 30 HP Two Stroke  
 30 HP BigFoot/Command Thrust (CT) (2010 and newer)  
 30-40 HP SeaPro/Marathon  
 30 FourStroke (1994-2005)  
 40-60 HP Two and FourStroke, sandard gearcase (1977 and Newer)  
 Sea Pro/Marathon 55 HP  
 13 Tooth Spline  
 Flo-Torq Reflex Hub Kit 835257K12 Included with propeller  
 Reflex Sleeve Part Number: 8M0047148  
 For older rubber hub propellers - use Mercury hardware kit 11-31990Q02. Purchase separately.  
 Propeller hardware is not compatible between rubber hub propellers and Flo-Torq Reflex propellers.

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	17	Alum	3	N/A	48-73144A45	Black Max
10	16	Alum	3	N/A	48-73142A45	Black Max
10.1	15	Alum	3	N/A	48-73140A45	Black Max
10.3	14	Alum	3	N/A	48-73138A45	Black Max
10.4	14	Alum	3	N/A	48-816706A45(1)	Black Max
10.5	13	Alum	3	N/A	48-816704A45(1)	Black Max
10.4	13	Alum	3	N/A	48-73136A45	Black Max
10.6	12	Alum	3	N/A	48-73134A45	Black Max
10.8	12	Alum	3	N/A	48-816702A45(1)	Black Max
10.9	11	Alum	3	N/A	48-85632A45	Black Max
12	10.5	Alum	3	N/A	48-42740A45(1)	Black Max
11.6	10.5	Alum	3	N/A	48-827312A45	Black Max
11.3	10	Alum	3	N/A	48-73132A45	Black Max
12.3	9	Alum	3	N/A	48-87818A45	Black Max
12.5	8	Alum	3	N/A	48-42738A45(1)	Black Max
12.5	8	Alum	3	N/A	48-42738CP1(1)(2)	Black Max XC
10.1	15	Alum	4	N/A	48-8M8026640	Spitfire
10.1	14	Alum	4	N/A	48-8M8026635	Spitfire
10.3	13	Alum	4	N/A	48-8M8026630	Spitfire
10.6	12	Alum	4	N/A	48-8M8026625	Spitfire
10.6	11	Alum	4	N/A	48-8M8026620	Spitfire
10.3	15	SS	3	N/A	48-855862A46	Vengeance
10.4	14	SS	3	N/A	48-855860A46	Vengeance
10.5	13	SS	3	N/A	48-855858A46	Vengeance
11	12	SS	3	N/A	48-855856A46	Vengeance
11.6	11	SS	3	N/A	48-823478A46	Vengeance
10.6	14	SS	4	N/A	48-878616A46	Trophy Sport

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Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10.6	13	SS	4	N/A	48-878614A46	Trophy Sport
10.6	12	SS	4	N/A	48-878612A46	Trophy Sport

(1) Large Blade Area

(2) Extra Cup for superior performance and holding on pontoon boats

## Mercury/Mariner 40 HP Bigfoot/Command Thrust - 125 HP Outboard

40 - 60 HP Bigfoot/Command Thrust (CT) (All Years)

75-125 HP (1978 and newer)

15 Tooth Spline

Aluminum propellers include hub kit

Stainless steel propellers, hub kit sold separately

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
12.5	23	Alum	3	N/A	48-77350A45	Black Max
12.8	21	Alum	3	N/A	48-77348A45	Black Max
13	19	Alum	3	N/A	48-77346A45	Black Max
13.3	17	Alum	3	N/A	48-77344A45	Black Max
13.3	16	Alum	3	N/A	48-854360A45	Black Max
13.8	15	Alum	3	N/A	48-77342A45	Black Max
13.9	14	Alum	3	N/A	48-854352A45	Black Max
14	13	Alum	3	N/A	48-77340A45	Black Max
14	13	Alum	3	N/A	48-8M0151358	Black Max - Extra Cup(2)
14	11	Alum	3	N/A	48-77338A45	Black Max
14	11	Alum	3	N/A	48-8M0151356	Black Max - Extra Cup(2)
14	10	Alum	3	N/A	48-854342A45	Black Max
14	10	Alum	3	N/A	48-8M0151354	Black Max - Extra Cup(2)
14	9	Alum	3	N/A	48-854340A45	Black Max
13.8	15	Alum	3	N/A	48-8M0151359	Black Max(3)
14	13	Alum	3	N/A	48-8M0151357	Black Max(3)
14	11	Alum	3	N/A	48-8M0151355	Black Max(3)
14	10	Alum	3	N/A	48-8M0151353	Black Max(3)
14	9	Alum	3	N/A	48-8M0151352	Black Max(3)
12.8	19	Alum	4	N/A	48-8M8026600	Spitfire
12.8	17	Alum	4	N/A	48-8M8026590	Spitfire
12.8	15	Alum	4	N/A	48-8M8026580	Spitfire
13.8	13	Alum	4	N/A	48-8M8026570	Spitfire Pontoon(2)
13.8	11	Alum	4	N/A	48-8M8026560	Spitfire Pontoon(2)
13.8	10	Alum	4	N/A	48-8M8026555	Spitfire Pontoon(2)
12.7	21	SS	4	N/A	48-8M0151364	Spitfire X7(1)
12.7	19	SS	4	N/A	48-8M0151363	Spitfire X7(1)
13.0	17	SS	4	N/A	48-8M0151362	Spitfire X7(1)
13.5	15	SS	4	N/A	48-8M0151361	Spitfire X7(1)
14.0	13	SS	4	N/A	48-8M0151360	Spitfire X7(1)
13	18	SS	3	N/A	48-8M0151402	Vengeance
13.1	16	SS	3	N/A	48-8M0151401	Vengeance
13.3	15	SS	3	N/A	48-8M0151400	Vengeance
13.4	14	SS	3	N/A	48-8M0151399	Vengeance
14	12	SS	3	N/A	48-8M0151398	Vengeance
14	10	SS	3	N/A	48-8M0151397	Vengeance
13.8	26	SS	4	N/A	48-8M0151395	Trophy Plus(1)
13.8	25	SS	4	N/A	48-8M0151394	Trophy Plus(1)
13.8	24	SS	4	N/A	48-8M0151393	Trophy Plus(1)
13.8	23	SS	4	N/A	48-8M0151392	Trophy Plus(1)
13.8	21	SS	4	N/A	48-8M0151391	Trophy Plus(1)

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Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
13.8	19	SS	4	N/A	48-8M0151390	Trophy Plus(1)
13.8	17	SS	4	N/A	48-8M0151389	Trophy Plus(1)

- (1) Performance Vent System
- (2) For superior performance and holding on pontoon applications
- (3) For vibration reduction, includes SSR hub system. Replaces legacy A33 propellers with rubber hub

## Mercury/Mariner 90 - 115 HP Command Thrust, 135 - 400 HP Outboard

135 - 400 HP (1978 and newer)  
 90 - 115 CT (2014 and newer)

For 300+ HP engines use only stainless steel (SS) propellers  
 Stainless steel propellers, hub kit sold separately  
 V6 FourStroke (2018 and newer) and 40 CT - 150 HP FourStroke use Flo-Torq SSR hub kit 8M0150151  
 V8 FourStroke (2018 and newer) and 350 - 400 HP Verado requires Flo-Torq SSR HD hub kit 8M0101601

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
14	23	Alum	4	N/A	48-8M0084497	SpitFire
14	21	Alum	4	N/A	48-8M0084496	SpitFire
14	19	Alum	4	N/A	48-8M0084495	SpitFire
14	17	Alum	4	N/A	48-8M0084494	SpitFire
14	14	Alum	4	N/A	48-8M0084493	SpitFire CT(1)(3)
14	12	Alum	4	N/A	48-8M0084491	SpitFire CT(1)(3)
14	23	Alum	3	N/A	48-832834A45	Black Max
14.3	21	Alum	3	N/A	48-832832A45	Black Max
14.5	19	Alum	3	N/A	48-832830A45	Black Max
15.5	18	Alum	3	N/A	48-11324A45	Black Max
15	17	Alum	3	N/A	48-832828A45	Black Max
16	16	Alum	3	N/A	48-16440A45	Black Max
15.3	15	Alum	3	N/A	48-78116A45	Black Max
15.3	15	Alum	3	N/A	48-78116CP1	Black Max - Extra Cup(3)
16	14	Alum	3	N/A	48-16438A45	Black Max
16	14	Alum	3	N/A	48-16438CP1	Black Max - Extra Cup(3)
16	13	Alum	3	N/A	48-78114A45	Black Max
16	13	Alum	3	N/A	48-78114CP1	Black Max - Extra Cup(3)
16	12	Alum	3	N/A	48-16436A45	Black Max
16	12	Alum	3	N/A	48-16436CP1	Black Max - Extra Cup(3)
16	11	Alum	3	N/A	48-78112A45	Black Max
16	11	Alum	3	N/A	48-78112CP1	Black Max - Extra Cup(3)
13.8	21	SS	3	N/A	48-8M0151408	Vengeance
14	19	SS	3	48-8M0151406	48-8M0151407	Vengeance
14.5	17	SS	3	48-8M0151404	48-8M0151405	Vengeance
14.5	15	SS	3	N/A	48-8M0151403	Vengeance
13.5	22	SS	3	N/A	48-8M0151245	Energia(2)
13.6	21	SS	3	48-8M0151242	48-8M0151243	Energia(2)
13.8	20	SS	3	N/A	48-8M0151241	Energia(2)
14	19	SS	3	48-8M0151238	48-8M0151239	Energia(2)
14.2	18	SS	3	N/A	48-8M0151237	Energia(2)
14.5	17	SS	3	48-8M0151234	48-8M0151235	Energia(2)
14.7	16	SS	3	N/A	48-8M0151233	Energia(2)
15	15	SS	3	48-8M0151230	48-8M0151231	Energia(2)
15.3	14	SS	3	48-8M0151228	48-8M0151229	Energia(2)
15.6	13	SS	3	48-8M0151226	48-8M0151227	Energia(2)
16	11	SS	3	48-8M0151224	48-8M0151225	Energia(2)
16	23	SS	3	48-8M0151262	48-8M0151263	Energia ECO(2)
16	22	SS	3	48-8M0151260	48-8M0151261	Energia ECO(2)
16	21	SS	3	48-8M0151258	48-8M0151259	Energia ECO(2)
16	20	SS	3	48-8M0151256	48-8M0151257	Energia ECO(2)

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Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
16	19	SS	3	48-8M0151254	48-8M0151255	Enerlia ECO(2)
16	18	SS	3	48-8M0151252	48-8M0151253	Enerlia ECO(2)
16	17	SS	3	48-8M0151250	48-8M0151251	Enerlia ECO(2)
14.5	25	SS	3	N/A	48-8M0151313	Mirage Plus(2)
14.6	23	SS	3	48-8M0151311	48-8M0151312	Mirage Plus(2)
14.8	21	SS	3	48-8M0151309	48-8M0151310	Mirage Plus(2)
15.3	19	SS	3	48-8M0151307	48-8M0151308	Mirage Plus(2)
15.5	17	SS	3	48-8M0151303	48-8M0151304	Mirage Plus(2)
15.8	15	SS	3	48-8M0151301	48-8M0151302	Mirage Plus(2)
14	27	SS	3	N/A	48-8M0151275	Fury(2)
14	26	SS	3	N/A	48-8M0151274	Fury(2)
14	25	SS	3	N/A	48-8M0151273	Fury(2)
14	24	SS	3	N/A	48-8M0151272	Fury(2)
14	23	SS	3	N/A	48-8M0151271	Fury(2)
14	22	SS	3	N/A	48-8M0151270	Fury (2)
14.5	26	SS	4	N/A	48-8M0151281	Fury 4(2)
14.5	25	SS	4	N/A	48-8M0151280	Fury 4(2)
14.5	24	SS	4	N/A	48-8M0151279	Fury 4(2)
14.5	23	SS	4	N/A	8M0151278	Fury 4(2)
14.6	27	SS	3	N/A	48-8M0151388	Tempest Plus(2)
14.6	26	SS	3	N/A	48-8M0151387	Tempest Plus(2)
14.6	25	SS	3	N/A	48-8M0151386	Tempest Plus(2)
14.6	24	SS	3	N/A	48-8M0151385	Tempest Plus(2)
14.6	23	SS	3	N/A	48-8M0151384	Tempest Plus(2)
14.6	22	SS	3	N/A	48-8M0151383	Tempest Plus(2)
14.6	21	SS	3	N/A	48-8M0151382	Tempest Plus(2)
14.6	19	SS	3	N/A	48-8M0151381	Tempest Plus(2)
14.6	17	SS	3	N/A	48-8M0151380	Tempest Plus(2)
13.8	26	SS	4	N/A	48-8M0151395	Trophy Plus (SM)(2)
13.8	25	SS	4	N/A	48-8M0151394	Trophy Plus (SM)(2)
13.8	24	SS	4	N/A	48-8M0151393	Trophy Plus (SM)(2)
13.8	23	SS	4	N/A	48-8M0151392	Trophy Plus (SM)(2)
13.8	21	SS	4	N/A	48-8M0151391	Trophy Plus (SM)(2)
13.8	19	SS	4	N/A	48-8M0151390	Trophy Plus (SM)(2)
13.8	17	SS	4	N/A	48-8M0151389	Trophy Plus (SM)(2)
13.3	21	SS	5	N/A	48-8M0151292	HighFive(2)
13.3	19	SS	5	N/A	48-8M0151291	HighFive(2)
13.5	17	SS	5	N/A	48-8M0151290	HighFive(2)
14.6	25	SS	4	48-8M0151328	48-8M0151329	Revolution 4(2)
14.6	23	SS	4	48-8M0151326	48-8M0151327	Revolution 4(2)
14.6	21	SS	4	48-8M0151324	48-8M0151325	Revolution 4(2)
14.6	20	SS	4	48-8M0151322	48-8M0151323	Revolution 4(2)
14.6	19	SS	4	48-8M0151320	48-8M0151321	Revolution 4(2)
14.6	18	SS	4	48-8M0151318	48-8M0151319	Revolution 4(2)
14.6	17	SS	4	48-8M0151316	48-8M0151317	Revolution 4(2)
14.6	15	SS	4	48-8M0151314	48-8M0151315	Revolution 4(2)
15.8	32	SS	4	48-8M0151220	48-8M0151211	Bravo I
15.8	30	SS	4	48-8M0151218	48-8M0151219	Bravo I
15.8	28	SS	4	48-8M0151216	48-8M0151217	Bravo I
15.8	26	SS	4	48-8M0151214	48-8M0151215	Bravo I
15.8	24	SS	4	48-8M0151212	48-8M0151213	Bravo I
15.8	22	SS	4	48-8M0151210	48-8M0151211	Bravo I

(1) Recommended for 90 - 115 HP Command Thrust outboards for Tri/Pontoons

(2) Performance Vent System

(4) Provides superior holding and performance for pontoon applications