

Model 114/72

PROPELLER RECOMMENDATIONS for 1972 MERC 1400 and 650 MODELS

MERC 1400 MODEL

The 1972 Merc 1400 model has a recommended operating RPM of 4800-5800 and a gear ratio of 2:1 (28:14). Under these circumstances, it is necessary to carefully follow the recommendations in the propeller chart below. This propeller chart supersedes all previous printed Merc 1400 charts in the 1972 Accessory Catalog and "Operation and Maintenance Manual" (C-90-61610).

Right Hand Rotation Propellers				Approx. Gross Load	Approx. Boat Length	Transom Height	speed Range MPH	Full Throttle RPM Range
Number	Dia.	Pitch	Material					
A-48-49616A4*	13"	26"	2 Blade Bronze	Up to 1000	Up to 16'	20'	50-65	4800-5800
A48-52010A3	13"	25'	3 Blade Bronze	Up to 1200	Up to 17'	20"	48-60	4800-5800
C-48-52012A3	13"	25"	3 Blade Alum.	Up to 1200	Up to 17'	20"	48-60	4800-5800
A4849614A4*	13"	24"	2 Blade Bronze	Up to 1200	Up to 17'	20"	48-60	4800-5800
A-48-52006A3	13"	23"	3 Blade Bronze	Up to 1400	Up to 18'	20"	44-52	4800-5500
C-48-52008A3	13"	23"	3 Blade Alum.	Up to 1400	Up to 18'	20"	44-52	4800-5500
A4849612A4*	13"	22"	2 Blade Bronze	Up to 1400	Up to 18'	20"	44-52	4800-5500
C-48-32744A3	13"	21"	3 Blade Bronze	1300-2100	16-19'	20"	39-46	4800-5500
C48-32746A3	13"	21"	3 Blade Alum.	1300-2100	16-19'	20"	39-46	4800-5500
A-48-49610A4*	13"	20"	2 Blade Bronze	1300-2100	16-19'	20"	39-46	4800-5500
C48-32750A3	13"	19"	3 Blade Alum.	1600-2400	16-20'	20"	37-41	4800-5500
LARGER, .HEAVIER BOATS · UP to 38 MPH TOP SPEED (5300 RPM MAXIMUM)								
C-48-31458A3	13"	17"	3 Blade Bronze	1700-3000	17-21'	20"	26-38	4800-5300
6-48-32264A3	13"	17"	3 Blade Alum.	1700-3000	17-21'	20"	26-38	4800-5300
C-48-31460A3	14"	15"	3 Blade Bronze	6000-Plus	20-25'	20"	15-28	4800-5300
C48-32390A3	14"	15"	3 Blade Alum.	6000-Plus	20-25'	20"	15-28	4800-5300
C-48-58826A3	14"	13"	3 Blade Alum.	12000-Plus	HB or WB	20"	1-15	4800-5300

*Hi-Performance Propeller

HB=Houseboat WB=Work Boat

(OVER)

'MERC 650 (3-CYLINDER) MODEL

The 1972 Merc 650 (3-cyl.) model has a recommended operating RPM of 4800-5300 and a gear ratio of 1.64:1 (23:14). It is necessary, therefore, to adhere to the following propeller chart:

Right Hand Rotation Propellers				Approx. Gross Load	Approx. Boat Length	Transom Height		Speed Range MPH	Full Throttle RPM Range
Number	Dia.	Pitch	Material			Std Shaft	LongShaft		
A-48-61824A1	10 3/4"	16"	3 Blade Alum.	Up to 850	12-14'	15 1/2"	20"	41-46	4800-5300
A-48-61822A1	11"	15"	3 Blade Alum.	Up to 950	13-15'	15 1/2"	20"	38-43	4800-5300
A-48-61820A1	11 1/4"	14"	3 Blade Alum.	700-1300	14-16'	15 1/2"	20"	35-40	4800-5300
A-48-61818A1	11 1/2"	13"	3 Blade Alum.	950-1500	15-17'	15 1/2"	20"	32-37	4800-5300
A-48-61816A1	11 3/4"	12"	3 Blade Alum.	1100-1700	16-18'	15 1/2"	20"	27-34	4800-5300
A48-61814A1	12"	11"	3 Blade Alum.	1300-2000	18-20'	15 1/2"	20"	23-30	4800-5300
A-48-61812A1	12 1/4"	10"	3 Blade Alum.	1500-2500	20-23'	15 1/2"	20"	19-27	4800.5300
A-48-62274A1	12 1/4"	9"	3 Blade Alum.	1700-3000	21-25'	15 1/2"	20"	1-20	4800-5300

WARNING! Merc 500 propellers also will fit this engine; however, ~~do not use~~ Merc 500 propellers unless the Merc 650 forward (A-62122A1) and reverse (A-62124A1) thrust hubs are replaced by Merc 500 forward (A-55908A1) and reverse (A-12-55907) thrust hubs.

