

Presenting the personalized propeller concept.

Michigan Propellers 1971 Outboard Catalog A SUBSIDIARY OF CORPORATION



After 60 years you'd think we'd know something about propellers,

Since its very inception in 1903 Michigan Wheel Corporation has rigidly maintained the highest standards of quality and unceasingly striven to produce the finest propellers money could buy.

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The largest, most modern propeller plant in the world, with more than 175,000 sq. ft. of single floor, straight-flow production facilities involving very highly specialized custom designed and custom built production equipment and over 2½ miles of shelving, to accommodate a stock of more than 75,000 finished propellers. Michigan has facilities for 10,000 to 20,000 semi-finished propellers... so that we can provide prompt shipment as needed. Michigan makes propellers of unmatched performance in a variety of styles and types that enable a boatman to procure a wheel that is practically custom built for his craft. Michigan Wheel Corporation is universally recognized as the leading manufacturer of propellers in diameters up to and including 96 inches.

Features

You leave nothing to chance when you buy Michigan. Every design and every feature of these

quality wheels is proven in actual use before it is offered to boat owners. Michigan Wheel Corporation maintains its own waterway testing laboratory on the Grand River, near the factory. Here, throughout the open water season, experienced engineers run thousands of miles of tests to prove every new propeller and every new prop feature. They match each and every model of outboard motor with the propeller which gives it maximum efficiency in all phases of operation...including variations of boat type and size, load or purpose. The success of the Prop-Rider, cupped wheel designs and other Michigan innovations, are results of this exceptional testing and quality control procedure.

Warranty

Your new Michigan Prop is warranted against defects in material or workmanship. Such defects are extremely rare...but should you find one, your wheel will be replaced free. This is proof of Michigan's consistently high quality ...your assurance of value when you insist on a Michigan Propeller.

Cushion Hub

An important protection feature on propellers used with most gear shift motors. In shifting, with most modern motors, gears are subject to shock...as a result most engine makers provide propellers with built-in shock absorbing cushions in the hub, to prevent breakage. In designing replacement props, Michigan works closely with these manufacturers to match, and often excel, original equipment, providing the strongest, unbreakable cushion hubs in the industry.

Metals

For super strength and ready repairability, all Michigan wheels are cast of superior virgin alloys formulated by our renowned metallurgists. Michigan HI-STRENGTH ALUMINUM is an exclusive Michigan alloy. Tensile strength: 40,000 lbs psi; yield strength: 20,000 lbs psi; elongation 9%. Salt water resistant. Far superior...the only aluminum that gives satisfaction under the severe service conditions of large, hi-powered motors. You can see why when you compare the magnified cross-' section photos of a typical

die-cast propeller and Michigan's sand-cast aluminum prop alloy. Far greater density of the Michigan metal is proof of its superior strength.



MICHALLOY-K BRONZE is so strong that propellers of this metal are guaranteed for life against blade breakage at the hub. Tensile strength: 72,000 lbs psi minimum; yield: 35,000 lbs psi minimum; elongation: 27%. Over 1 million bronze outboard propellers for gear shift motors sold in recent years. Distinct advantage of great initial impact strength keeps damage to a minimum...a safety factor.

No other aluminum alloy used in the marine field has physical properties equal to Michalum – though it cannot have properties equaling Michalloy-K Bronze.

Machined-Pitch Process

Michigan's exclusive machined-pitch process assures absolute, unprecedented accuracy in propeller construction. Marine architects, boat builders and owners recognize that perhaps the most important factor in top propeller performance, besides design, is ACCURACY. Michigan engineers long ago realized that to produce the finest propellers it was essential to eliminate all human variables and substitute unerring machine accuracy. After extensive research, Michigan Wheel developed the helical planer, shown below, which carves the original wood patterns of all Michigan propellers, and machines each of the permanent metal patterns with pinpoint accuracy, a critical initial step in the production of absolutely accurate propellers.



And we do.



BRONZE

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Facts you should know about outboard performance.



1. What prop should I use with my boat and motor? First determine how the boat will be used, or what the normal load will be. If this boat usually operates with one specific passenger load, propeller size selection is relatively easy. If it has multiple uses ranging from light to heavy loads, the selection of one or two propellers for best results may be necessary.

> 2. Why change propellers? Stock propellers furnished with most outboards are a compromise. Since they have a fixed diameter and pitch, they are limited in use and do not provide satisfactory performance under all the variations of hulls and loads.

Note: the propeller not only moves the boat but it also requiates engine rpm, and horsepower is directly related to rpm. The engine has a horsepower rating, but in most instances the full benefit of the horsepower is never realized. Equal emphasis should be placed on the rpm at which the horsepower is attained. This is where the propeller comes into the picture. Outboards are designed to be run at peak rpm for full efficiency. Excessive rpm with its increased friction and wear is harmful. It is equally bad to run the engine so overloaded that it cannot achieve its rated rpm. This results in excessive carbon buildup in the cylinders, poor fuel economy, pre-ignition, frequent spark plug failure, scoring of cylinder walls, and burned pistons.

3. What are diameter and pitch? These are the two common propeller measurements. If a propeller is specified as 10 x 12 size, this indicates it is 10" diameter by 12" pitch. Dimensions are always given in this order. Diameter is determined by doubling the distance between blade tip and center of hub. Pitch refers to blade angle. In this example the 12" pitch indicates that with each prop revolution the boat theoretically would advance 12". Due to slip loss, actual advance is somewhat less.

4. Why do outboard motors of the same power sometimes take different prop sizes? This is due to differences in lower unit gear ratios. Stock outboards are geared so that the propeller shaft turns at a slower speed than the rpm at the powerhead. This is usually expressed as a ratio such as 12:21 or 14:28, referring to the number of teeth in the drive gears. In the first example, the crankshaft gear has 12 and the propeller shaft gear has 21. This means the propeller shaft turns only 57% as fast as the indicated rpm at the powerhead.

The lower the gear ratio the larger the propeller that can be used, and vice versa. In other instances, engines of different makes may develop their horsepower at different rpm levels. Everything else being equal, higher rpm engines require smaller props to achieve greater rpm.

5. Can a prop change help me in water skiing? Yes, in most cases. Original equipment propellers are pitched a little on the high side. Not knowing the boat the engine will be used with, the manufacturer pitches the prop a little high so the engine does not exceed top rpm if placed on a light boat. However, on a heavier boat, or with water skiers, this propeller tends to overload the engine, resulting in poor speed, poor acceleration and sluggish performance, making it difficult to get a skier up. This is corrected with a lower pitched prop.

> 6. What is the correct transom height for my outboard engine? On average boats it is best to mount the engine so the cavitation plate is approximately 1" below the bottom of the keel, or 1" below the bottom of boats without keel. For racing boats, better speeds can be attained by raising the engine to reduce lower unit drag and exhaust back pressure. Best transom height can only be determined by

experimenting ...get the engine as high as possible, or to the point just before propeller cavitates excessively.

7. What is the best tilt-setting or shaft angle? Proper tilt is extremely important, and is determined only through experimenting. In any boat the tilt-setting can change as the load changes. Tilt adjustment determines the planing angle and if improperly set, the speed loss can be substantial or the boat may not plane at all. Tilting the engine in toward the transom pulls the bow down. Tilting it away from the transom pulls the bow up. Vary the angle to find the point where the boat assumes the best planing position.

8. Will a different prop correct bad torque action (listing and hard steering)? Usually not. Most likely it is the result of any of several irregularities in the hull, the steering hookup or the engine mounting. Steering wheel must be properly located relative to propeller rotation. If an engine has a right-hand rotating propeller, steering wheel should be on the right or starboard side. This side normally tends to lift as the result of torque action, and the driver's weight offsets it. Modern outboards have built-in features in the lower units to compensate for torque.

Engine tilt should be such that the prop is horizontal when underway. If it is up or down, the propeller can have a definite pull to one side. See that engine is at exact center of the transom and is sitting level. Steering linkage should have enough adequate sized pulleys, properly swiveled and with the right cable tension. Check boat bottom for warping or other distortion which could cause difficulty.



9. Will a bronze prop hurt my motor? No. Bronze is an ideal propeller material, having numerous advantages over aluminum or die-cast material. Bronze is strong, ductile, repairable, corrosion resistant, and in normal service will last the life of the motor.

You may frequently hear that a bronze prop wears out the shifting mechanism. Shift mechanism wear and failure is not due to the type of propeller used. Most frequent lower unit failure is in the shifter dog which results from improper shifting procedure by the boat operator. Many attempt to ease an outboard into gear thinking that this is easier on the mechanism. The opposite is true. Shifter lever should be snapped into gear with some force...the only way the shifter dog will mesh completely with forward or reverse gear.

10. Is it advisable to have outboard props repaired? Depends on the material. Those made of bronze or sand-cast aluminum are repairable at about 1/3 to 1/2 the new propeller



price. Die-cast propellers generally are not repairable. The material is very brittle, breaks off easily in the straightening process and will not weld satisfactorily. (Original equipment propellers are usually made of die-cast.) It is advisable to discard such propellers and replace with the more durable sand-cast aluminum or bronze.

Special Michigan prop styles for every boating need...

New DQ propellers

Due to popular demand, Michigan Wheel Corporation introduces a new line of 4-blade propellers for outboards in the well-known inboard "Dyna-Quad" style.

> The "DQ" is especially suited to heavy-load boats with engines of 40 hp or over, and provides faster acceleration, greater maneuverability, and reduced vibration. Possibility of damage is lessened due to closer blade proximity. These advantages should be of particular value in applications to houseboats and large outboards where good load-carrying performance is necessary.

The new 4-blade "DQ" is available in a broad range of sizes, some in the well-known Prop-Rider line, cast of easily repaired hi-strength aluminum.

Bazooka hub propeller

A great innovation in "flow-thru" exhaust hub design, which can effect speed increases over other exhaust hub propellers. No flaring or flange along the hub diameter...nothing to cause drag, reduce speed. Streamlining can mean a speed increase of

1/2 to 3/4 mph as a result of hub design alone...2 to 3 mph increases over original equipment wheels are not uncommon, as a result of the combination of this hub design with other features of Michigan wheels. The "Bazooka" design secret is an internal flare, or venturil shape ... which provides exhaust sucking action, without impairing the flow of water over the hub. Available in Michigan aluminum and bronze alloys, for most major engine makes.



Prop-Rider propellers

Revolutionary in design, unbeatable in performance...offers 2 to 3 mph speed increases. and better performance than any conventional props on planing boats. Lightweight boats experience even more dramatic results. This previously unattainable efficiency results from a special pitch generation in which the center of pitch does not coincide with the center of rotation, producing a concave blade section. And, because of this styling, Prop-Riders can be run higher on the transom, with tilt-pin set up one notch. to reduce drag and add to maneuverability ...with reduced cavitation. Prop-Riders are available in a wide range of sizes for a

broad selection of engines ...furnished in either of Michigan's durable, repairable alloys... Michalloy-K Bronze or hi-strength aluminum.

Bronze

No other wheels can offer the strength and repairability of Michigan Bronze

Props. Polished to mirror brightness for maximum performance...normally two-plus mph over die-cast props. Features: machined-pitch construction; cushioned hubs where recommended for gearshift motors; Michigan's guarantee that, when used as recommended, no damage to shift mechanism can occur; Michigan's guarantee against blade breakage at the hub, for the life of the prop; Michalloy-K Bronze construction. Virtually all Michigan designs are available in bronze including the Prop- Rider, indicated by "PR" in part number prefix.

in special high strength marine alloys.

suppression effect is achieved. 2. Less water slips over the blade edge, resulting in greater efficiency. 3. As illustrated, the slip stream increases to a larger cone. Movement of the larger mass times velocity results in greater thrust and speed. Because of this more effective propeller action, it is suggested that when using cupped feature the pitch be reduced 1" on diameters 13" and smaller. Larger sizes, reduce pitch 2" to maintain same rpm.

Economy propellers

From this broad line of propellers you can select a direct replacement for your original equipment die-cast wheel... at comparable cost. but with outstanding Michigan features such as greater strength and better repairability. Economy wheels are sand-cast aluminum, which is not brittle, as proved by the fact that the blades will bend under impact...this is not true of ordinary pot metal wheels which frequently have a tensile strength of not more than 22,000 lbs. psi with 1/2%

elongation, and which, as a result, sometimes throw blades, and are rarely repairable. Michigan Economy Props are made of an aluminum alloy with a tensile strength of 40,000 lbs psi, yield strength of 20,000 lbs psi, and elongation of 9%.

These wheels are painted white with a very hard enamel finish and feature

Michigan's superstrong cushion hubs where required.

Aluminum propellers

A very wide range of styles and sizes in props at costs comparable to original die-cast wheels, but with



outstanding features that only Michigan offers. Greater strength. Better repairability. Remarkable operating characteristics. Made of sand-cast aluminum, which is not brittle so blades will bend under impact...will not give in to strain that would break ordinary pot meta! wheels which commonly have tensile strength of not more than 22,000 lbs psi with 1/2% elongation, and which are rarely repairable. Michigan Aluminum Props are cast of an alloy with a tensile strength of 40,000 lbs psi, yield strength of 20,000 lbs psi, and elongation of 9%. Finish is very hard, durable white enamel.

Cupped propellers Made for light, fast hulls, and undoubtedly the fastest wheels you'll ever find. Cupped design increases speed on fast bottom boats, eliminates vibration and cavitation, and provides guicker acceleration and pick-up. Cupping consists of slight and critically accurate turning of trailing edge of blades...increases jet stream volume and reduces slippage or be run on transoms 1" to 3" higher... which makes for greater speed by reducing drag. Any propeller listed in this catalog can be ordered with cupped blade edges—\$4.50 net either bronze or aluminum through 14" diameter. 14-1/4" and larger-\$6.50.



Why do they work? The slight cupping of the trailing blade edge causes three changes in operating characteristics: 1. A cavitation

Specify your own prop like an expert...

Selector and price list is arranged so that you can instantly see all models recommended for your particular installation. First, locate your make of motor, arranged in the first column, alphabetically...locate the model below this, and the year in the second column. In the third column you will find descriptions of boat size, style and use...select description most nearly fitting your situation. Opposite this, in the remaining columns, you will see the recommended wheels in Bronze and Aluminum along with their prices.

Economy Propellers

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	OMC PART NO.	PART NO.	BLADES	DIA. & Pitch	PRICE	
3-4 HP—Anglematic	55-71	Standard Replacement	203919	PJ3	3	61/ax 41/2	\$5.50	
3-4 HP-Right Angle	64-71	Standard Replacement	310208	PJ5	3	8 x 4½	5.50	
			315858	PJ6	3	8 x 5½	5.50	
5 HP	65-68	12'-14' Boats-Light Loads	380104	PJ7	3	8 x 7½	7.00	
5½-6 HP	56-65	12'-14' Boats—Light Loads	376968	PJ300	2	8 x 7¼	6.50	1
6 HP	66-71	12'-14' Boats—Light Loads	380958	PJ8	2	8 x 7¼	8.00	-
9½-10 HP	56-71	14'-16' Boats-All Loads	383315	PJ11	3	8¼x 8	10.00	1
	ana men	12'-14' Boats-Light Loads	377635	PJ10	3	8¼x 8½	10.00	
10 HP	50-57	12'-14' Boats—Light Loads	377083	PJ9	3	9 x 8	12.00	
14-15-18-20 HP	50-71	12'-14' Boats—Heavy Loads	383629	PJ16	3	9 x10	12.00	
Also 25 HP-1969-71		12'-14' Boats-Heavy Loads	381801	PJ17	3	9 x10½	12.00	
		14'-16' Boats—Heavy Loads	379717	PJ19	3	9 x 9	12.00	
The second s		12'-14' Boats—Light Loads	377636	PJ18	3	9¼x11	13.00	_
22-28-30-33-35-40 HP	51-71	Cruisers, Houseboats, Sailboats	070501	PJ41	3	10½x10	16.30	
Also 25 HP-51-55		17-19' Boats-All Loads, Skis	378581	PJ31	3	10%x11½	16.30	
		14 -10 Boats—All Loads, Skis 14'-16' Boats—All Loads Skis	376360	PJ30 PJ32	3	10%x12% 10%x12	16.30	
		14'-16' Boats—Light Loads	378579	P.135	3	10%x13%	16.30	
		12'-14' Boats-Light Loads	378571	PJ40	3	10%x14	16.30	
		14'-16' Boats—Light Loads	384460	PJ42	3	10½x13	16.30	
50 HP	58-68	Cruisers, Houseboats, Sailboats		PJ51	3	13 x 8	24.80	1
Also 60-65 HP with	0.0	Cruisers, Houseboats, Sailboats		PJ52	3	13 x 9	24.80	
Heavy Duty Gear Case		Cruisers, Houseboats, Sailboats		PJ56	3	13¾x 9	24.80	
		20'-24' Boats—All Loads	01750/1019444	PJ53	3	13 x10	24.80	
		14'-16' Boats—All Loads, Skis	278155	PJ50	3	121/sx14	21.30	
60-65-75-80-85-90 HP	60-68	17'-19' Boats—All Loads, Skis	379260	PJ74*	3	10 x 9¼	16.00	
		17'-19' Boats-All Loads, Skis	378040	PJ75	3	10¼x10	18.00	
		17'-19' Boats—All Loads, Skis	593437	PJ78	3	9½x10	16.00	
		16 -17 Boats-All Loads, Skis	3//9/8	PJ/6	3	10 x11	16.00	
		10 -17 BOATS-All Loads, SKIS	381440	PJ/3* P177	3	10 X11	16.00	
*Small Hub Pron-uses sne	cial Small	Nut-Part No NP74 at \$1 00 list	376033	1377	3	10 112	10.00	
	00.74		000700	D IOO	0	103/ 15	20.00	_
125 UD	08-11	17 -19 Boats-All Loads, Skis	382763	PJ80 D 101	3	13%X15	29.00	
Thru Hub Exhaust Prons		14'-16' Boats-Light Loads	382765	P.182	3	13 v19	29.00	
With Diffuser Ring		12'-14' Boats-Light Loads	382766	PJ83	3	13 x21	29.00	
		Light Runabouts—Light Loads	384136	PJ84	3	12¾x23	29.00	
GALE						· · · · · · · · · · · · · · · · ·		-
12-14-15 HP	51-63	12'-14' Boats—All Loads, Skis	376737	PJ14	3	9 x11	11.00	
MEDOUDY								
20 40	60 71	NEAREST M	ERCURY EQUIVAL	ENT DM16	2	91/20	¢10.00	
33-40	00-71	Standard Replacement	48-47940A1	PIVITO	2	074X0	\$10.00	_
60	68-69	Standard Replacement	48-47938A1	PM18 PM17	2	71/2×8	10.00	
M 75 110	00.71	neavy boats, sambats	40-47344A1	FINIT7	3	878XJ	10.00	-
Merc 75-110	68-71	Standard Replacement	48-4/922A1	PM21 PM10	2	9 x 9	10.00	
		14'-16' Boats—All Loads, Skis	48-47670A1	PM20	3	9 x 7	18.00	
Mara 200	62 71	14' 16' Deste All leads Chis	40.0040041	DM20	2	01/0	10.00	-
Merc 200	03-71	14 -16 Boats—All loads, Skis Standard Replacement	48-33482A1 48-33480A1	PM26 PM30	3	9% x 9	17.00	
Merc 300 350 400	62.60	17'-19' Boats_All Loade Shie	48-32190.41	PM602	2	101/2×11	22.00	-
450,500	02-03	14'-16' Boats-All Loads Skis	48-32186A1	PM501	2	10½x12	22.00	
Prop Exhaust		14'-16' Boats-Light Loads	48-32182A1	PM500	2	10½x13	22.00	
400-500	70-71	14'-16' Boats-Light Loads	48-56234 ∆1	PM580	2	10½x13	22 00	
Thru Hub Exhaust		14'-16' Boats-All Loads. Skis	48-56238A1	PM581	2	10½x12	22.00	
		17'-19' Boats-All Loads, Skis	48-56242A1	PM582	2	10½x11	22.00	
650-700A-800	61-71	16'-17' Boats—All Loads, Skis	48-31072A1	PM801	2	131/sx17	26.50	
1000, 1100, 1150		14'-16' Boats-All Loads, Skis	48-31080A1	PM800	2	131/sx19	26.50	
800a, 850, 900, 950		12'-14' Boats-Light Loads	48-31454A3	PM1000	2	131⁄ax21	26.50	
1250-1350		12 -14 DUALS-LIGNT LOADS	40-J1404AJ	FINITUUU	Z	1378X21	20.00	

Chrysler

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CHRYSLER				BRG	ONZE			ALUN	IINUM	
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3.5-3.6 HP	64-71	Standard Replacement			-		G20	2	7½x 4½	\$ 6.60
4.4-5 HP	68-70	Standard Replacement					PC4	2	7 x 4¾	12.00
6 HP	1971	Standard Replacement					PC9	2	8 x 5	12.00
5½-6 HP 6 HP	56-59 64-67	Standard Replacement					GC54	2	7½x 7	9.90
6.6-7-8 HP	68-71	Standard Replacement			-		PC6	2	7½x 6¼	12.00
7½-9.2 HP	56-67	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis	AMC302	3	8 x 7	\$15.50	AMC320	3	8 x 5½	13.50
		12'-14' Boats—Light Loads					GC55	2	8 x 8	10.50
9.9 HP	68-71	Light Runabouts—Light Loads Standard Replacement 14'-16' Boats—All Loads, Skis					PC14 PC12 PC10	2 2 2	8 x 8¾ 8¼x 8¼ 8¼x 8	12.00 12.00 12.00
12.9 HP	1971	Standard Replacement					PC20	3	81/8x 81/4	13.50
16-20 HP	59-67	17'-19' Boats—All Loads, Skis Standard Replacement 14'-16' Boats—All Loads, Skis					AMC359 AMC365 AMC353	3 3 3	8½x 7½ 8½x 8½ 8½x 9	18.00 18.00 18.00
20 HP	68-71	Standard Replacement 14'-16' Boats—All Loads Skis 12'-14' Boats—Light Loads	PR5 PR9	3 3	8½x 8 8½x10	22.00 22.00	AMC490 PR4 PR8	3 3 3	8½x 8½ 8½x 8 8½x10	18.00 18.50 18.50
40-50 HP	61-65	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	28.00	SMC715 SMC713	3 3	10½x12 10½x13	19.50 19.50
35-45-50-55 HP Splined Shaft	66-71	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	PR131 PR133 PR135	3 3 3	10¼x11 10¼x12 10¼x13	32.00 32.00 32.00	AMC308 PR130 PR132 PR134	3 3 3 3	10%x10 10%x11 10%x12 10%x13	19.50 21.00 21.00 21.00
		14'-16' Boats—Light Loads Light Runabouts—Light Loads 12'-14' Boats—Light Loads	PR137 PR139 AJC310	3 3 2	10¼x14 10¼x15 10½x15	32,00 32,00 30,80	PR136 PR138 AJC311	3 3 2	10¼x14 10¼x15 10½x15	21.00 21.00 19.80
75 HP Splined Shaft	66-67	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis	SMC71 SMC75 SMC77	3 3 3	13 x10 121%x12 121%x13	44.00 44.00 44.00	SMC90 SMC73 SMC74 SMC76	3 3 3 3	13 x10 12½x11 12½x12 12½x13	32.00 28.50 28.50 28.50
		14'-16' Boats—All Loads, Skis Light Runabouts—Light Loads	SMC79 AJC489	3 2	12¼x14 12 x15	44.00 44.00	SMC78	3	121⁄8x14	28.50
- 80 HP	61-65	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	SMC72 SMC68 SMC60	3 3 3	13 x 8 12¼x12 12½x13	45.50 45.50 45.50	PJ51 SMC69 SMC61	3 3 3	13 x 8 12½x12 12½x13	24.80 27.50 27.50
		16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts—Light Loads	SMC62 AJC487	3 2	12‰x14 12 x16	45.50 45.50	PJ50 SMC65	3 3	121∕≋x14 121∕≋x15	21.30 27.50
105 HP Splined Shaft	66-67	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	SMC83 SMC85	3 3	13 x12 13 x13	47.50 47.50	SMC82 SMC84 SMC86	3 3 3	13 x12 13 x13 13 x14	32.00 32.00 32.00
		16'-17' Boats—All Loads, Skis Racing Runabouts	SMC89 AJC504	3 2	13 x15 13 x17	47.50 47.50	SMC88	3	13 x15	32.00
70-75-85-105 HP Splined Shaft	68-70	Cruisers, Houseboats 20'-24' Boats—One Engine	PR64 PR66	3 3	13 x13 13 x14	47.50 47.50	PR65 PR67	3 3	13 x13 13 x14	33.00 33.00
For 70-75-85 HP Re pitch 2''	educe	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads Light Runabouts—Light Loads	PR68 PR70 PR54 AJC84	3 3 3 2	13 x15 13 x16 13 x18 13 x19	47.50 47.50 47.50 47.50	PR69 PR71 PR55 PR57 AJC85	3 3 3 3 2	13 x15 13 x16 13 x18 13 x19 13 x19	33.00 33.00 33.00 33.00 33.00 33.00
70-85-105-120 HP	70-71	Cruisers, Houseboats 20'-24' Boats—One Engine	PR75 PR77	3 3	13‰x11 13‰x13	49.00 49.00	PR74 PR76	3 3	13¼X11 13½x13	35.80 35.80
For 70-85 HP Redu Pitch 2''	ce	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts—Light Loads Light Runabouts—Light Loads	PR79 PR81 PR83 AJC720 AJC724	3 3 3 2 2	13½x15 13½x17 13½x19 13 x21 13 x23	49.00 49.00 49.00 48.50 48.50	PR78 PR80 PR82 AJC722 AJC726	3 3 2 2	13½x15 13½x17 13½x19 13 x21 13 x23	35.80 35.80 35.80 35.50 35.50

Your present propeller makes a good spare.

Elgin-Sears

ELGIN-SEARS			-	BR	ONZE			ALUN	<u>AINUM</u>	
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & Pitch	PRICE	PART NO.	BLADES	DIA. & Pitch	PRICE
4 HP	60-69	Standard Replacement Cruisers, Houseboats, Sailboats					SA10 SA12	2 2	7%x 6 7%x 5	\$ 7.00 9.00
3, 3.5, 3.6, 4, 4.5, 5 HP	70-71	Standard Replacement					G20	2	71⁄2x 41⁄2	6.60
5-5½-7 HP	70-71	Standard Replacement Standard Replacement					G30 G45	2 3	7½x 5½ 6¾x 6½	6.60 9.00
7½ HP	60	12'-14' Boats—Light Loads Light Runabouts—Light Loads					SAC371 AJC63	3 2	6 x 6 6 x 8	14.00 9.90
9HP	67-70	Standard Replacement 14'-16' Boats—All Loads, Skis					SMC23 SMC24	3 3	8¼x 8½ 8¼x 7½	14.00 14.00
12-14 HP	60-70	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	AMC534 AMC533	3 3	8¼x 7 8¼x 8	\$18.00 18.00				
		Standard Replacement Light Runabouts—Light Loads					AMC535 AMC532	3 3	8¼x 8½ 8¼x 9	12.00 12.00
25-28 HP	60-70	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	23.00	SMC846 SMC848	3 3	9 x 7 9 x 9	16.50 16.50
	4	Standard Replacement Light Runabouts—Light Loads	SMC851 AJC518	3 2	9 x10 9½x11½	23.00 23.00	PS25	3	9 x10	15.50
35 HP	1965	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	28.00	SMC717 SMC715	3 3	10½x11 10½x12	19.50 19.50
40-45 HP	59-70	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC636 SMC638 SMC640	3 3 3	10 x10 10 x11 10 x12	25.50 25.50 25.50	SMC635 SMC637 PS40	3 3 3	10 x10 10 x11 10 x12½	19.50 19.50 17.50
		14'-16' Boats—Light Loads 12'-14' Boats—Light Loads					SMC641 SMC697	3 3	10 x13 10 x14	19.50 19.50
60-75 HP	59-70	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis	SMC629 SMC626 SMC628	3 3 3	11½x 8 11½x11 11½x12	40.00 40.00 40.00	PS76 PS74 PS73 PS71	3 3 3 3	11½x 8 11½x10 11½x11 11½x12	21.00 21.00 21.00 21.00
		14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC620	3	11½x13	40.00	PS72 PS70	3 3	11½x13 11½x14	21.00 21.00

Evinrude-Johnson-Gale

EVINRUDE-JO	HNSON	-GALE		BR	ONZE			ALUN	ліпим	
NOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & Pitch	PRICE	PART NO.	BLADES	DIA. & Pitch	PRICE
00 HP	66-68	Cruisers, Houseboats	PR117	3	14 x10	\$64.00	PR116	3	14 x10	\$43.50
		Cruisers, Houseboats					DQ218	4	14 x10	55.00
		20'-24' Boats—One Engine	PR114	3	14 x11	64.00	PR115	3	14 x11	43.50
		20'-24' Boats-One Engine	PR119	3	14 x12	64.00	PR118	3	14 x12	43.50
		17'-19' Boats—All Loads, Skis	PR104	3	13 x14	49.50	PR105	3	13 x14	43.50
		16'-17' Boats—All Loads, Skis	PR106	3	12½x15	49.50	PR107	3	12½x15	43.50
		14'-16' Boats—All Loads, Skis	PR108	3	12½x16	49.50	PR109	3	12½x16	43.50
		14'-16' Boats—Light Loads	PR110	3	12½x17	49.50	PR111	3	12½x17	43.50
		Light Runabouts-Light Loads	PR112	3	12½x18	49,50	PR113	3	121/2x18	43.50
		Light Runabouts-Light Loads	AJC223	2	131/x18	51.70	107.588.585.5			
		Racing Runabouts	AJC225	2	131/ax19	51.70				

	EVINRUDE-JOHN	ISON-	GALE (Cont.)		BRO	ONZE			ALUN		
	MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
	60, 65, 75, 80, 85, 90 HP	60-68	Barges, Heavy Boats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC863 SMC861 SMC855 SMC857 SMC859 SMC866	3 3 3 3 3	10½x 8 10¼x 9 10¼x10 10½x11 10 x12 10 x13	33.00 33.00 33.00 33.00 33.00 33.00	SMC865 SMC864 SMC862 PJ75 PJ76 PJ77 SMC867	3 3 3 3 3 3 3	10%x 6 10%x 8 10%x 9 10%x10 10 x11 10 x12 10 x13	19.80 19.80 19.80 18.00 16.00 16.00 19.80
	50.55.00.00		12'-14' Boats—Light Loads Light Runabouts—Light Loads	SMC868 AJC455	3 2	10 x14 10%x15	33.00 36.50	SMC869	3	10 x14	19.80
·	50-55-60 HP Thru Hub Exhaust	68-71	Cruisers, Houseboats Cruisers, Houseboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts—Light Loads Light Runabouts—Light Loads	PR291 PR287 PR285 PR283 PR281 AJC320C AJC322C	3 3 3 3 2 2	14 x11 13½x15 13½x17 13½x19 13½x21 13½x21 13¾x23	66.00 66.00 66.00 66.00 66.00 66.00 66.00	DQ320 PR290 DQ328 PR288 DQ336 PR286 PR284 PR284 PR282 PR280 AJC321C AJC323C	4 3 4 3 3 3 3 3 2 2	14 x10 14 x11 14 x12 14 x13 14 x14 13½x15 13½x17 13½x19 13½x21 13½x21 13¾x23	38.50 32.00 38.50 32.00 32.00 32.00 32.00 32.00 32.00 32.00 34.00 34.00
	85-100-115-125 HP Thru Hub Exhaust	68-71	Cruisers, Houseboats Cruisers, Houseboats 20'-24' Boats—One Engine 20'-24' Boats—One Engine 19'-21' Boats—One Engine 19'-21' Boats—Light Loads 17'-19' Boats—Light Loads 14'-16' Boats—Light Loads	PR291 PR287 PR285 PR283	3 3 3 3	14 x11 13½x15 13½x17 13½x19	\$66.00 66.00 66.00 66.00	PR290 DQ320 PR288 DQ328 PR286 DQ336 PR284 PR284 PR282	3 4 3 4 3 4 3 3	14 x11 14 x10. 14 x13 14 x12 13½x15 14 x14 13½x17 13½x19	\$32.00 38.50 32.00 38.50 32.00 38.50 32.00 32.00 32.00
		-	14'-16' Boats—Light Load Light Runabouts—Light Loads Light Runabouts—Light Loads	PR281 AJC320-0 AJC322-0	3 2 2 2	13½x21 13¾x21 13¾x23	66.00 66.00 66.00	PR280 AJC321-C AJC323-C	3 2 2	13½x21 13¾x21 13¾x23	32.00 34.00 34.00
	50 HP Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts—Light Loads	SMC72 SMC68 SMC60 SMC62 AJC487	3 3 3 3 2	13 x 8 121/2x12 121/2x13 121/2x14	45.50 45.50 45.50 45.50 45.50	PJ51 SMC69 SMC61 PJ50 SMC65	3 3 3 3 3	13 x 8 12½x12 12½x13 12½x14 12½x15	24.80 27.50 27.50 21.30 27.50
	22, 28, 30, 33, 35, 40 HP Also 25 HP—51-55	51-71	Barges, Extra heavy boats 20'-24' Cruisers, One Engine 17'-19' Boats—All Loads, Skis 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis Weedless	SMC48 PR91 PR93 AMC464 PR95	3 3 4 3	10½x 8 10½x10 10¼x11 10 x11 10¼x12	28.00 30.00 30.00 31.00 30.00	SMC47 PR90 PR92 AMC444 PR94 AMC445 JWC41	3 3 4 3 4 2	10½x 8 10¼x10 10¼x11 10 x11 10¼x12 10 x12 10%x12½	19.50 21.00 25.50 21.00 25.50 21.00 25.50 21.50
			14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads 20'-24' Boats—One Engine 12'-14' Boats—Light Loads 14'-16' Boats—Light Loads	PR97 AJC467 PR101 PR99	3 2 3 3	10¼x13 10½x16 10¼x15 10¼x14	30.00 30.00 30.00 30.00	PR96 AJC469 AMC384 PR100 PR98	3 2 3 3 3	10¼x13 10½x16 11 x10 10¼x15 10¼x14	21.00 21.00 27.00 21.00 21.00
	14, 15, 18, 20 HP Also 25 HP–1969-71 These propellers also fit Penta Cresent (Sweden)	50-71	Cruisers, Houseboats, Sailboats 16'-17' Boats-All Loads, Skis Weedless 16'-17' Boats-All Loads, Skis 14'-16' Boats-All Loads, Skis 14'-16' Boats-Light Loads 12'-14' Boats-Light Loads Light Runabouts-Light Loads	SMC38 EWC18 PR21 PR23 PR25 PR25 PR27 AJC417	3 3 3 3 3 3 2	9¼x 7 9 x10 8¾x 9 8¾x10 8¾x11 8¾x12 9¼x12	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00	SMC39 AMC448 EWC19 PR20 PR22 PR24 PR26 AJC418	3 4 3 3 3 3 3 2	91/4x 7 9 x 9 9 x10 83/4x 9 83/4x10 83/4x11 83/4x12 91/4x12	15.50 21.00 15.50 15.50 15.50 15.50 15.50 15.50
	9½-10 HP	58-71	20'-24' Boats—Sailboats 14'-16' Boats—All Loads, Skis Weedless 14'-16' Runabouts—Light Loads Light Runabouts—Light Loads	SMC15 JWC12 SMC17 AJC175	3 3 3 2	8¼x 8 8¼x 8 8¼x 9 8 x10	20.50 20.50 20.50 20.00	SMC12 PJ11 JWC13 SMC18	3 3 3 3	8¼x 6½ 8¼x 8 8¼x 8 8¼x 9	13.50 10.00 13.50 13.50
	6 HP	66-71	Sailboats 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC421 AMC423	3 3	7¾x 6½ 7¾x 7	14.00 14.00	AMC424 AMC422	3 3	8 x4½ 7¾x 6½	10.50 10.50
	5½-6 HP	56-65	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads Weedless	AM430 AM433	3 3	7¾x 6½ 7¾x 7	14.00 14.00	AM431 JWC5	3 3	7¾x 6½ 7¾x 6½	10.50 10.50
	5 HP	65-70	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC420	3	7¾x 6½	14.00	AMC419 PJ7	3 3	7¾ x 6½ 8 x 7½	10.50 7.00
_	3-4 HP Right Angle Drive 3-4 HP	64-71 55-71	Standard Replacement Light Runabouts—Light Loads Standard Replacement					PJ5 PJ6 P.13	3 3 2	8 x 4½ 8 x 5½ 6¼x 4½	5.50 5.50 5.50
	Anglematic	00-71				and the second second second		103	J	U/8A 4/2	0.00

World's toughest cushioned hubs.

HOMELITE-BI	EARCAT			BR	ONZE			ALUN	AINUM	
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & Pitch	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
55-85 HP	62-71	Cruisers, Houseboats, Sailboats Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine	SMC629	3	11½x 8	\$40.00	PS76 AMC712 PS75	3 4 3	11½x 8 11½x 8 11½x 9	\$21.00 40.50 21.00
		17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC626 SMC628	3 3	11½x11 11½x12	40.00 40.00	PS74 PS73 PS71	3 3 3	11½x10 11½x11 11½x12	21.00 21.00 21.00

McCulloch-Scott-Aero

McCULLOCH-SO	COTT-A	AERO		BRO	ONZE		ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & Pitch	PRICE	PART NO.	BLADES	DIA. & Pitch	PRICE
31⁄2-4 HP	46-71	Standard Replacement Heavy Boats, Sailboats					SA10 SA12	2 2	7%x 6 7%x 5	\$ 7.00 9.00
7½ HP Weedless	60-71	12'-14' Boats—Light Loads Light Runabouts—Light Loads					SAC371 AJC63	3 2	6 x 6 6 x 8	14.00 9.90
7½ HP Straight Lower Unit— Right Hand	63-70	14'-16' Boats—All Loads, Skis Standard Replacement					SMC22 SMC20	3 3	8¼x 5 8¼x 6½	14.00 14.00
9 HP	67-71	Houseboats, Sailboats Standard Replacement 14'-16' Boats—All Loads, Skis					SMC22 SMC23 SMC24	3 3 3	8¼x 5 8¼x 8½ 8¼x 7½	14.00 14.00 14.00
12-14.1 HP	60-67	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Standard Replacement Light Runabouts—Light Loads	AMC534 AMC533	3 3	8¼x 7 8¼x 8	\$18.00 18.00	AMC535 AMC532	3 3	8¼x 8½ 8¼x 9	12.00 12.00
22-25-27.7-28 HP	58-67	17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	23.00	SMC846 SMC848	3 3	9 x 7 9 x 9	16.50 16.50
· ·		14'-16' Boats—Light Loads Light Runabouts—Light Loads	SMC851 AJC518	3 2	9 x10 9½x11½	23.00 23.00	PS25	3	9 x10	15.50
30-33-40 HP Left Hand Prop	55-58	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC650	3	10 x12	25.50	SMC647 SMC649	3 3	10 x11 10 x12	19.50 19.50
40-43.7-45 HP Right Hand Prop	59-69	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC636 SMC638 SMC640	3 3 3	10 x10 10 x11 10 x12	25.50 25.50 25.50	SMC635 SMC637 PS40	3 3 3	10 x10 10 x11 10 x12	19.50 19.50 17.50
		14'-16' Boats—Light Loads 14'-16' Boats—Light Loads					SMC641 SMC697	3 3	10 x13 10 x14	19.50 19.50
60-75.2 HP	58-59	Barges, Extra Heavy Boats Cruisers, Houseboats, One Engine 20'-24' Boats—One Engine	SMC629	3	11½x 8	40.00	PS76 PS75 PS74	3 3 3	11½x 8 11½x 9 11½x10	21.00 21.00 21.00
		17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC626 SMC628 SMC620	3 3 3	11½x11 11½x12 11½x13	40.00 40.00 40.00	PS73 PS71 PS72 PS70	3 3 3 3	11½x11 11½x12 11½x13 11½x14	21.00 21.00 21.00 21.00 21.00

			Mercury	7				19103		
MERCURY	BŔONZE					ALUMINUM				
MOTOR MODEL (YEAR)	BOAT SIZE AND RECOMMENDATIONS	PART NO.	NEAREST MERCURY EQUIVALENT BLADES	DIA.& Pitch	PRICE	PART NO.	NEAREST MERCURY EQUIVALENT BLADES	DIA. & Pitch	PRICE	
39-40— (68-71)	Standard Replacement					PM16	48-47940A1 2	8¼x 6	\$10.00	
39— (64-67)	Standard Replacement	-				PM4	48-31214A1 2	8 x 6	10.00	

MERCURY (Cont	.)		BRON	ZE	<u></u>			ALUM	INU	M	
MOTOR MODEL (YEAR)	BOAT SIZE AND RECOMMENDATIONS	PART NO. E	NEAREST MERCURY QUIVALENT B	LADES	DIA. & Pitch	PRICE	PART NO. E	NEAREST MERCURY QUIVALENT BI	ADES	DIA. & Pitch	PRICE
60— (68)	Standard Replacement Heavy Boats, Sailboats						PM18 PM17	48-47938A1 48-47944A1	2 3	71/8x 8 81/8x 5	10.00 11.00
60— (61-67)	14'-16' Boats—All Loads Standard Replacement						PM4 PM6	48-31214A1 48-31105A1	2 2	8 x 6 8 x 8	10.00 10.00
Mark 10, 10A, 15A, 100-150 (57-61)	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads						PM14 PM15 PM13	48-27787A3 48-28880A1 48-26608A1	3 2 2	9¼x 7½ 9¼x 8½ 9¼x 9½	18.00 17 00 17.00
Mark 28, 28A, 200-250 (58-62)	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads						PM27 PM28 PM29	48-28037A1 48-28036A1 48-28038A1	3 2 2	9¼x 9 9½x11 9½x12	18.00 17.00 17.00
Mark 30 (56-58)	14'-16' Boats—All Loads, Skis 12'-14' Boats—Lìght Loads	AMC507		3	9½x10	\$31.00	AMC506 AJC570		3 2	9½x10 9 x12	27.00 20.00
Merc 75-110 (68-71)	Standard Replacement Light Runabouts—Light Loads 14'-16' Boats—All Loads, Skis						PM21 PM19 PM20	48-47922A1 48-47926A1 48-47670A1	2 2 3	9 x 9 9 x10 9 x 7	10.00 10.00 18.00
Merc 110—(62-67)	14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads				•		PM11 PM10	48-32364A1 48-31504A1	2 2	9 x 9 9 x10	10.00 10.00
Merc 200-(63-71)	14'-16' Boats—All Loads, Skis Standard Replacement						PM26 PM30	48-33482A1 48-33480A1	3 2	9¼x 9 10 x11	18.00 17.00
Mark 58, 58A, 400, 500, 50, 55, 35A, 300, 350 (56-61) 11 Spline	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC581S AMC578S	48-22105A2	3 3	10 x10 10 x11	38.00 38.00	AMC5803 AMC5773 PM56 PM55 PM55	S 48-22575A2 S 48-29985A2 48-22914A2 48-29986A2	3 3 2 2 2	10 x10 10 x11 10¼x10 10¼x12 10¼x13	26.50 26.50 19.00 19.00 19.00
300, 350, 400, 450, 500, (62-69) Prop Exhaust	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	PR30 PR32 PR34 PR36	48-32192A1 48-33772A1	3 3 3 3	10¼x 9 10¼x10 10¼x11 10¼x12	43.00 43.00 43.00 43.00 43.00	PR31 PR33 PR35 PR37	48-32194A1 48-33774A1 48-38098A1 48-38094A1	3 3 3 3	10¼x 9 10¼x10 10¼x11 10¼x12	25.00 25.00 25.00 25.00 25.00
' These propellers also fit Carniti (Italy)	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads 17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	PR38 PR42 AJC476 AJC478	48-32188A1 48-32184A1	3 3 2 2	10¼x13 10¼x15 10½x11 10½x12	43.00 43.00 35.00 35.00	PR39 PR43 PM502 PM501	48-38090A1 48-38086A1 48-32190A1 48-32186A1	3 3 2 2	10¼x13 10¼x15 10½x11 10½x12	25.00 25.00 22.00 22.00
×.	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads Light Runabouts—Light Loads	AJC480 AJC482 AJC484	48-32180A1 48-32178A1 48-32176A1	2 2 2	10½x13 10½x15 10½x17	35.00 35.00 35.00	PM500	48-32182A1	2	10½x13	22.00
400-500 (70-71) Prop Exhaust	Cruisers, Houseboats 20'-24' Boats—All Loads 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads 12'-14' Boats—Light Loads	PR330 PR332 PR334 PR336 PR338 PR338 PR342 AJC876 AJC876 AJC880 AJC880 AJC882 AJC884 PR344	48-56262A1 48-56250A1 48-56256A1 48-56256A1 48-56252A1 48-56252A1 48-56252A1	3 3 3 3 3 3 2 2 2 2 2 2 3	10%x 9 10%x10 10%x11 10%x12 10%x13 10%x15 10%x11 10%x12 10%x13 10%x15 10%x17 10%x17	43.00 43.00 43.00 43.00 43.00 35.00 35.00 35.00 35.00 35.00 43.00	PR331 PR333 PR335 PR337 PR339 PR343 PM582 PM581 PM580 PR345	48-56248A1 48-56246A1 48-56244A1 48-56244A1 48-56236A1 48-56236A1 48-56232A1 48-56238A1 48-56234A1 48-56230A1	3 3 3 3 3 3 2 2 2 2 3	10%x 9 10%x10 10%x11 10%x12 10%x13 10%x13 10%x11 10%x12 10%x13 10%x13	25.00 25.00 25.00 25.00 25.00 25.00 22.00 22.00 22.00 22.00
Mark 78 784 75 754	Light Runabouts—Light Loads Light Runabouts—Light Loads Light Runabouts—Light Loads Racing Runabouts 16'-17' Roats—All Loads Skis	PR346 PR348 AJC886 AJC888 SMC874		3 2 2 3	10 ³ / ₄ x19 10 ³ / ₄ x21 10 ³ / ₄ x21 10 ³ / ₄ x23	43.00 43.00 35.00 35.00 41.00	PR347 PR349	48-56228A1	3	10¼x19 10¾x21	25.00 25.00
600 (57-60)	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	0110071		U	12/2010	11.00	SMC885 PM78	48-29295A1	3 2	12½x15 13‰x15	28.50 23.00
650-700A-800-800A- 850-900-950 (61-71)	Cruisers, Houseboats Cruisers, Houseboats 19'-21' Boats—All Loads 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts—Light Loads	PR152 PR154 PR156 PR158 AJC587 AJC626 AJC628 AJC630	48-30394A3 48-31460A3 48-31458A3 48-53898A3 48-29660A2 48-29658A3 48-31456A3 48-49630A3	3 3 3 2 2 2 2 2	13 x13 13 x15 13 x17 13 x19 13%x15 13%x17 13%x17 13%x19 13%x21	60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00	DQ430 PR151 DQ438 PR153 PR155 PR155 PR157 PR159 AJC588 PM801 PM800 PM1000	48-35936A3 48-32392A3 48-32390A3 48-32264A3 48-32750A3 48-31074A2 48-31072A2 48-32388A3 48-49632A3	4 3 4 3 3 3 2 2 2 2 2	13 x10 13 x11 13 x12 13 x13 13 x15 13 x17 13 x19 13 % x15 13 % x17 13 % x19 13 % x19 13 % x21	38.50 30.00 38.50 30.00 30.00 30.00 26.50 26.50 26.50 26.50 26.50
1000, 1100, 1150, 1250-1350 (61-71)	Cruisers, Houseboats 20'-24' Boats—One Engine 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	PR152	48-30394A3	3	13 x13	\$60.00	DQ430 DQ438 PR151 PR153	48-35936A3 48-32392A3	4 4 3 3	13 x10 13 x12 13 x11 13 x13	\$38.50 38.50 30.00 30.00
	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	PR154 PR156 PR158 PR158 PR160	48-31460A3 48-31458A3 48-32748A3 48-32744A3	3 3 3 3	13 x15 13 x17 13 x19 13 x21	60.00 60.00 60.00 60.00	PR155 PR157 PR159 PR161	48-32390A3 48-32264A3 48-32750A3 48-32746A3	3 3 3 3	13 x15 13 x17 13 x19 13 x21	30.00 30.00 30.00 30.00
	Light Runabouts—Light Loads Light Runabouts—Light Loads 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads Light Runabouts—Light Loads Racing Runabout	PR162 4 PR164 4 AJC626 4 AJC628 4 AJC630 4 AJC633 4	48-52006A3 48-52010A3 48-29658A3 48-31456A3 48-31452A3 48-31450A3 48-31450A3 48-31448A3	3 3 2 2 2 2 2 2 2	13 x23 13 x25 13¼x17 13¼x19 13¼x21 13¼x23 13¼x25	60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00	PR163 PR165 PM801 PM800 PM1000	48-52008A3 48-52012A3 48-31072A1 48-31080A1 48-31454A3	3 2 2 2	13 x23 13 x25 15½x17 13½x19 13½x21	30.00 30.00 26.50 26.50 26.50 26.50

Ward's Sea King

WARD'S SEA	KING			BRC	DNZE		ALUMINUM					
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & Pitch	PRICE	PART NO.	BLADES	DIA. & Pitch	PRICE		
2, 3½, 5 HP	70-71	Standard Replacement					C15	2	7 x 4½	\$ 8.80		
31/2 HP	64-69	Standard Replacement					G20	2	71/2x 41/2	6.60		
5-6 HP	64-70	Standard Replacement					GC54	2	7½x 7	9.90		
6 HP	1971	Standard Replacement					PC9	2	8 x 5	12.00		
7 HP	70-71	Standard Replacement					C18	2	7 x 5	8.80		
8-9-9.2 HP	64-69	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis Standard Replacement Light Runabouts—Light Loads	AMC302 AJC55	3 2	8 x 7 8 x 8½	\$15.50 13.75	AMC320 GC55	3 2	8 x 5½ 8 x 8	13.50 10.50		
9.6-9.9 HP	70-71	Standard Replacement 14'-16' Boats—All Loads, Skis Light Runabouts—Light Loads		6			PC12 PC10 PC14	2 2 2	8 ¹ / ₄ x 8 ¹ / ₄ 8 ¹ / ₄ x 8 8 x 8 ³ / ₄	12.00 12.00 12.00		
20 HP	64-67	17'-19' Boats—All Loads, Skis Standard Replacement 14'-16' Boats—Light Loads					AMC359 AMC365 AMC353	3 3 3	8½x 7½ 8½x 8½ 8½x 9	18.00 18.00 18.00		
20 HP Splined Shaft	68-71	Standard Replacement 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads	PR5 PR9	3 3	8½x 8 8½x10	22.00 22.00	AMC490 PR4 PR8	3 3 3	8½x 8½ 8½x 8 8½x10	18.00 18.50 18.50		
45-50 HP	64-65	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	28.00	SMC 718 SMC713	53 3	10½x12 10½x13	19.50 19.50		
35-45-50-55 HP Splined Shaft	66-71	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts—Light Loads Light Runabouts—Light Loads	PR131 PR133 PR135 PR137 PR139 AJC310	3 3 3 3 3 2	10¼x11 10¼x12 10¼x13 10¼x14 10¼x15 10¼x15	32.00 32.00 32.00 32.00 32.00 32.00 30.80	AMC308 PR130 PR132 PR134 PR136 PR138 AJC311	3 3 3 3 3 3 2	10%x10 10%x11 10%x12 10%x13 10%x13 10%x14 10%x15 10%x15	19.50 21.00 21.00 21.00 21.00 21.00 21.00 19.80		
80 HP	64-69	Cruisers, Houseboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts—Light Loads	SMC72 SMC68 SMC60 SMC62 AJC487	3 3 3 3 2	13 x 8 12½x12 12½x13 12½x14 12 x16	45.50 45.50 45.50 45.50 45.50	PJ51 SMC69 SMC61 PJ50 SMC65	3 3 3 3 3	13 x 8 12⅓x12 12⅛x13 12⅛x14 12⅛x15	24.80 27.50 27.50 21.30 27.50		

West Bend and Wizard (see Chrysler)

Miscellaneous

MOTOR & MODEL	YEAR	PART NO.	NO BLADES	DIA. & PITCH	METAL	PRICE
CHAMPION						
Single & Twin	39-42	P51	2	71/2x 61/2	AI	\$7.70
4.2 HP	46-53	P90	2	8 x 5½	AI	10.00
7.9 HP	48-50	P120	2	8 x10	AI	10.50
CLINTON						
3-31/2-5 HP		C15	2	7 x 41/2	AI	8.8
7 HP		C18	2	7 x 5	AI	8.8
ELGIN						
5-51/2-6 HP	47-55	G40	2	71/2× 71/2	AI	9.5
51/2 HP	56-59	GC54	2	71/2× 7	AI	9.9
7½ HP	49-55	G50	2	71/2x 81/2	AI	9.5
71/2 HP	56-59	GC55	2	8 x 8	Al	10.5
25 HP	55-57	G92°	3	10%x12	AI	21.0
ESKA						
3½ HP		G20	2	71/2× 41/2	AI	6.6
5 HP		G30	2	71/2x 51/2	AI	6.6
7 HP		G45	3	6¾x 6	AI	9.0
EVINRUDE-JOH	NSON					
7½ HP	54-58	AM417	3	8 x 7 8 x 8	Br	14.0
10 HP	50-57	AMC264	3	81/2x 81/2	AI	15.5
FAGEOL-CROFT	ON					
35-45 HP	56-60	SMC647	3	10 x11	AI	19.5
LAUSON						
21/2-3 HP	40-57	L30	2	71/2× 51/2	Al	9.5
MARTIN						
75-60-66	46-51	Q10	2	8 x 8	AI	11.5
7.5 HP	52-54	Q50	2	8 x 8½	AI	13.5
MERCURY						
31/2-5 HP	49-55	K70	2	63/4 x 61/2	AI	10.0
6 HP	40-47	K15	2	7%x 7	AI	10.0
6 HP	55.60	K74	2	71/4× 7	AI	10.0
7½ HP Mark 7	47-55	K50	2	7%x 8	AI	10.0
10 HPKE7	47-52	K40	3	71/2x 9	AI	14.0

MOTOR & MODEL	YEAR	PART NO.	NO BLADES	DIA, & PITCH	METAL	PRICE
MERCURY (Cont.)					
10 HP KF 7 KG7	49-52	AJ55	2	8¼x10	Br	\$20.90
Mark 20-25 KH 7	52-58	AMC503 AJC550	3 2	9 x 9 9 x11	AI	25.50 20.00
Mark 50-55 14 spline	54-56	AMC580	3	10 x10	AI	26.50
Merc. 700-800 Left hand	60-61	PM700	2	13½x15	AI	26.50
MUNCIE						
1.2 and 1.5 HP	47-71	E40	2	6 x 5	AL	7.70
2 and 2.5 HP	33-41	M10	2	7%x 51/2	AI	10.00
3½-5 HP	41-51	M70	2	6½x 5	AI	10.00
PERKINS-OLIVER	2					
51/2-6-61/2 HP	55-64	V10	2	8 x 61/2	AL	11.00
15-16-18 HP	55-64	V116	2	9 x101/2	AI	15.00
35 HP Left hand See McCulloch-S	57-59 cott					
30-35-40 HP Right hand	60-64	SMC678	3	10 x11	AI	19.50
McCULLOCH SC	отт					
5 HP BailAMatic	54-59	SAC40	2	7½x 6	AI	10.00
7½ HP	46-53	SA7	3	7¾x 8	AI	14.00
7½ HP BailAMatic	54-59	SAC50	2	8 x 7	AI	10.00
10 HP BailAMatic	54-59	SAC60	2	8½×10	AI	12.50
16 HP Right Hand	50-55	SAC30	3	9½x 6½	AI	18.50
16 HP BailAMatic Left Hand	56-57	SMC35	3	8½x 8	AI	18.50
WEST BEND (CH	RYSLER)					
5-5½ & 6 HP	47-48	G40	2	71/2× 71/2	AI	9.50
71/2-8 HP	49-55	G50	2	71/2x 81/2	AI	9.50
12 HP	55-64	AMC355	3	8½x 8	AI	18.50
25-30 HP	55-57	G92	3	10%x12	AI	21.00
25-35 HP	58-63	SMC703	3	101/2×12	AI	19.50

Props engineered to win races.

STOCK RACING ENGINES HI- ST TENSILE LE CLASS - DIA & BRONZE ST		SIZE LEFT RIGHT PRICE HAND HAND
ENGINE GEAR RATIO PITCH PHICE PH Anzani A Hydro-1:1 61/2x 9 \$34.00 \$45 Anzani A Hydro-16:21 7 x 13 34.00 45 Anzani B Hydro-16:21 7 x 13 34.00 45 Anzani B Hydro-16:21 7 x 14 34.00 45 Champion A Hydro-14:19 7 x 12 34.00 45	COUTBOARD PLEASURE CRAFT (OPC) RACING PROPS Small Racing Hub*-High Tensile Bronze-Cupped	MERCURT BP Algen \$69.50 12 x 19 AJ219 AJ619 \$69.50 12 x 21 AJ221 AJ621 69.50 12 x 23 AJ223 AJ623 69.50 12 x 25 AJ225 AJ623 69.50 12 x 25 AJ225 AJ625 69.50 12 x 25 AJ227 AJ627 69.50 12 x 27 AJ227 AJ627 69.50 12 x 29 AJ229 AJ629 69.50
Champion B Hydro – 14:19 7 x 13 34:00 45 Champion B Utility – 14:19 7 x 12 34:00 45	SIZE RIGHT HAND PRICE	CHRYSLER 75-135 H.P. (RACING LOWER UNIT-PIN DRIVE)
Konig A Hydro-1:1 6 X 8 34.00 Konig B Hydro-1:1 61/4 X 10 34.00 45 Konig C Hydro-1:1 71/4 X 12 34.00 45 Konig D Hydro-1:1 71/4 X 12 34.00 45 Moregu A Hydro-1:1 6 X 71/6 34.00) MERCURY 65 THRU 135 H.P.) 13 x 19 AJ650 \$69.50 13 x 19 CUP402* 71.50	10 x 14 AJ315 AJ321 AJ322 49.50 10 x 16 AJ327 AJ328 49.50 10 x 16 AJ327 AJ328 49.50 10 x 17 AJ329 AJ330 49.50 10 x 18 AJ331 AJ332 49.50
Mercury A Utility - 1:1 6 7 34.00 Mercury A Utility - 1:1 6 7 34.00 Mercury A Utility - 1:1:1 6 7 34.00 Mercury A Utility - 16:21 1½ 10½ 34.00 45 Mercury A Utility - 16:21 6½ 9½ 34.00 45 Mercury B Utility - 1:1 6¼ 9 34.00 45 Mercury B Utility - 1:1 6¼ 8 34.00 45 Mercury B Utility - 16:21 7 x 14 34.00 45 Mercury B Utility - 16:21 7 x 13 34.00 45 Mercury C Utility - 16:21 7 x 13 34.00 45	13 x 21 AJ655 69.50 13 x 21 CUP404* 71.50 13 x 23 AJ660* 69.50 13 x 23 CUP408* 71.50 13 x 23 CUP408* 71.50 13 x 25 AJ700 69.50 13 x 25 CUP410* 71.50 13 x 27 AJ702 69.50 13 x 27 AJ704 69.50	EVINBUDE-JOHNSON GT-115 & X - 115 13 x 19 AJ710 AJ711 \$73.50 13 x 21 AJ712 73.50 13 x 23 AJ714 AJ715 73.50 13 x 23 AJ714 AJ715 73.50 13 x 25 AJ716 73.50 13 x 27 AJ716 73.50 13 x 29 AJ720 73.50
Mercury C Utility-1:1 7 x 9 34.00 45 Mercury D Hydro-1:1 7/4 x 11 34.00 45	0 14 × 27 AJ732 69.50 0 14 × 29 AJ734 69.50	MERC, SUP. SPEEDMASTER- OMC STINGER-CHRYSLER (SDI INED SHAET)
Mercury D Utility -1:1 7½ × 10 34.00 45 Mercury F Hydro-1:1 8½ × 13 50.00 67 Mercury J Utility -1:1 9 × 12 50.00 67 Mercury J Utility 6⅔ × 6½ 32.00 J & E "36" Cu. In. 10 × 15½ 45.00 Chrysler "36" Cu. In. 10½ × 16 45.00 Propellers for motors not listed – write for informat	D 14 × 23 CUP422* 71.50 14 × 25 CUP424* 71.50 14 × 25 CUP424* 71.50 14 × 27 CUP426* 71.50 14 × 29 CUP428* 71.50 14 × 31 CUP430* 71.50 x. *Props with hub exhaust a	94x 14 AJ291 AJ292 \$58.00 94x 15 AJ293 AJ294 58.00 94x 16 AJ295 AJ296 58.00 94x 17 AJ295 AJ296 58.00 94x 17 AJ297 AJ298 58.00 94x 18 AJ299 AJ300 58.00 and rubber hub cushion.

Changing racing conditions such as course length, condition of water, altitudes, etc., may call for variation from sizes listed, and these can be supplied at no increase in cost. These suggested sizes are based on the minimum legal weights for each class and for sea level or near sea level operation. Deliveries normally can be made from stock immediately. All propellers are supplied in special high tensile racing bronze alloy and stainless steel, blades thinned for best racing performance and all incorporate the new cupped blade feature. Propellers listed are for racing engines with a suggested diameter and pitch. Because these are not similar to anything previously available on the market these should not be ordered size for size to replace another type or another make. There is a best basic size in each class to meet most conditions, and we offer this listing as a guide and to simplify

propeller selection.



No. 525 & 527 motor bracket Permanent mount for auxiliary or trolling motors. Hard maple, natural finish with sand-cast aluminum brackets.

No. 525 (to 10 H.P.) 8½" width – \$16.00 No. 527 (to 25 H.P.) 11" width – \$26.50



Sliding motor brackets

For trolling or auxiliary motors on hi-transom boats. Bracket width 11". No. 516 (to 10 H.P.) 18" Rails-\$28.50 No. 516A (to 10 H.P.) 24" Rails-\$33.00 No. 530 (to 20 H.P.) 18" Rails-\$44.00 No. 530A (to 20 H.P.) 24" Rails-\$49.50



Hex-nut Socket Wrench for thru-hub-exhaust propellers Lets you remove prop nut quickly and easily on all flo-thru hub propeller installations...OMC and Mercury outboards and Stern Drive. No. HX-1 (13/32" x 4-1/8")... \$1.50



No. 608 Propeller Puller Quickly removes the occasional tight fitting prop. Designed for thru-hub-exhaust propellers. No. 608...\$14.00



Michigan's authorized propeller repair stations.

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Wheel Corporation, 1501 Buchanan Avenue, S.W., Grand Rapids, Michigan 49502.



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6"-11" dia. Bronze or Alum \$	8.50
111/4"-13" dia. Bronze or Alum	10.00
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151/4" dia. and larger	16.00
CUPPED PROPSad	d 25%
PITCH change – new or undamaged	
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Dia. Reduction-thru 13" dia	5.50
Dia. Reduction - 131/4" dia. & larger	9.90
Pitch change-in addition to repair.	5.00
HUB REPLACEMENT - in addition	
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Thru 18 h.p.	2.20
19 h.p. thru 49 h.p	3.30
50 h.p. thru 95 h.p	4.30
100 h.p. and up	7.70
HUB REPLACEMENT ONLY (prop	
not damaged)-NET:	
Thru 95 h.p.	6.60
100 h.p. and up	9.00
CUPPING-thru 14" dia. NET	4.50
151/4" & larger, NET	6.50
All welding net extra.	

FACTORY INBOARD PROPELLER REPAIR PRICES (2- or 3-blade Manganese Bronze)

Dia.	Price	Dia.	Price
10"	\$11.00	20"	\$25.50
11"	11.50	22"	27.50
12"	12.00	24"	33.00
13"	12.60	26"	37.00
14"	13.75	28"	42.00
15"	16.00	30"	48.00
16"	17.50	32"	56.00
17"	19.50	34"	63.00
18"	21.50	36"	70.00
19"	23.50	38"	80.00
		40"	01 00

Ni-Bral or cast-steel add 25% to above/4 or 5 blades add 25% to above/Stainless Steel add 100% to above/Cupped Propellers add 25% to above Unupled and 25% to above All welding net extra. All re-pairs at Owner's risk. Prices F.O.B. Factory. (Above 40'' – on quotation)