

# Michigan Propellers

OUTBOARD CATALOG 1967

# Michigan Wheel Company

Since its very inception in 1903, Michigan Wheel Company has rigidly maintained the highest standards of quality and unceasingly striven to produce the finest propellers money could buy. The result of these policies has been the constantly increasing popularity of Michigan propellers, which has necessitated expansion after expansion of facilities.

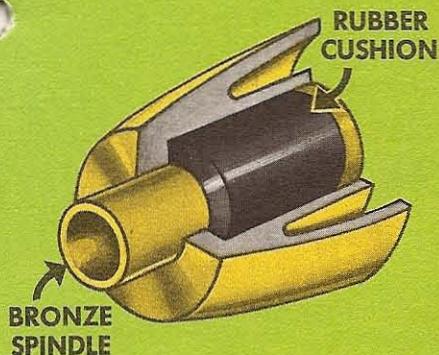
Michigan Wheel operates the largest, most modern propeller plant in the world. It contains more than 175,000 sq. ft. of single floor, straight flow production facilities involving very highly specialized custom designed and built production equipment and

over 2½ miles of shelving, to accommodate stock of more than 75,000 finished propellers. In addition, Michigan has facilities for handling 10,000 to 20,000 semi-finished propellers . . . all for the purpose of providing prompt shipment as needed.

Michigan's line includes propellers of unmatched performance in a variety of styles and types that enable the boatman to procure a wheel that is practically custom built for his craft. Michigan Wheel Company is universally recognized as the leading manufacturer of propellers in diameters up to and including 86 inches.

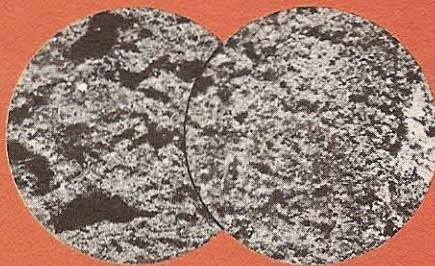


## Cushion Hub



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



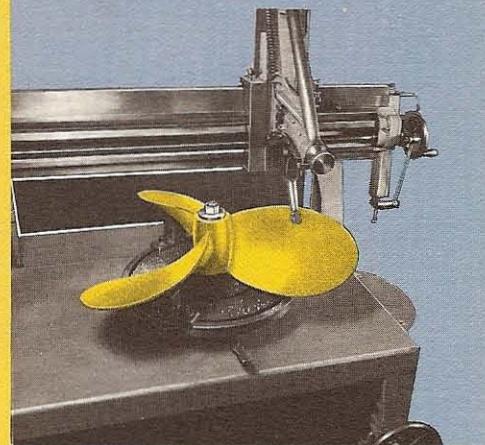
DIE CAST MICHALUM

For super strength and ready repairability, all Michigan wheels are cast of superior virgin alloys formulated by our renowned metallurgists.

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. P.S.I. minimum; yield: 35,000 lbs. P.S.I. 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.

MICHIGAN HI-STRENGTH ALUMINUM is an exclusive Michigan alloy. Tensile strength: 38,000 lbs. P.S.I.; yield strength: 30,000 lbs. P.S.I.; elongation 7%, 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-sectional 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. No aluminum alloy is used in the marine field having physical properties equal to Michalloy—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 above, 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.

# Michigan Features

Every Michigan propeller design, and every Michigan feature has been proven in actual use before it is offered to boat owners.

Michigan Wheel Company maintains a waterway testing laboratory on the Grand River, just a short distance from the factory. It is completely equipped with every worthwhile performance-testing device, a large fleet of boats of various designs and practically all current makes of outboard motors. Here, throughout the open water season, long experienced engineers run thousands of miles testing new propellers and new propeller features, matching each and every model of outboard motor with the propeller which will give it maximum efficiency in all phases of operation including variations of boat types and sizes, loads or purposes. The success of the Prop-Rider, cupped wheel designs and other Michigan features and innovations, are results of this exceptional testing and quality control procedure.

# Questions most often asked about outboards

## 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 regulates 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 increased friction and wear is harmful. It is equally as 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 nearly 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 towards 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 would tend 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 shaft 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 setting level. Steering linkage should have adequate sized pulleys in sufficient quantity, properly swiveled and with the right cable tension. Check the boat bottom for warping or distortion, which could cause the difficulty.

## 9. Will a bronze prop hurt my motor?

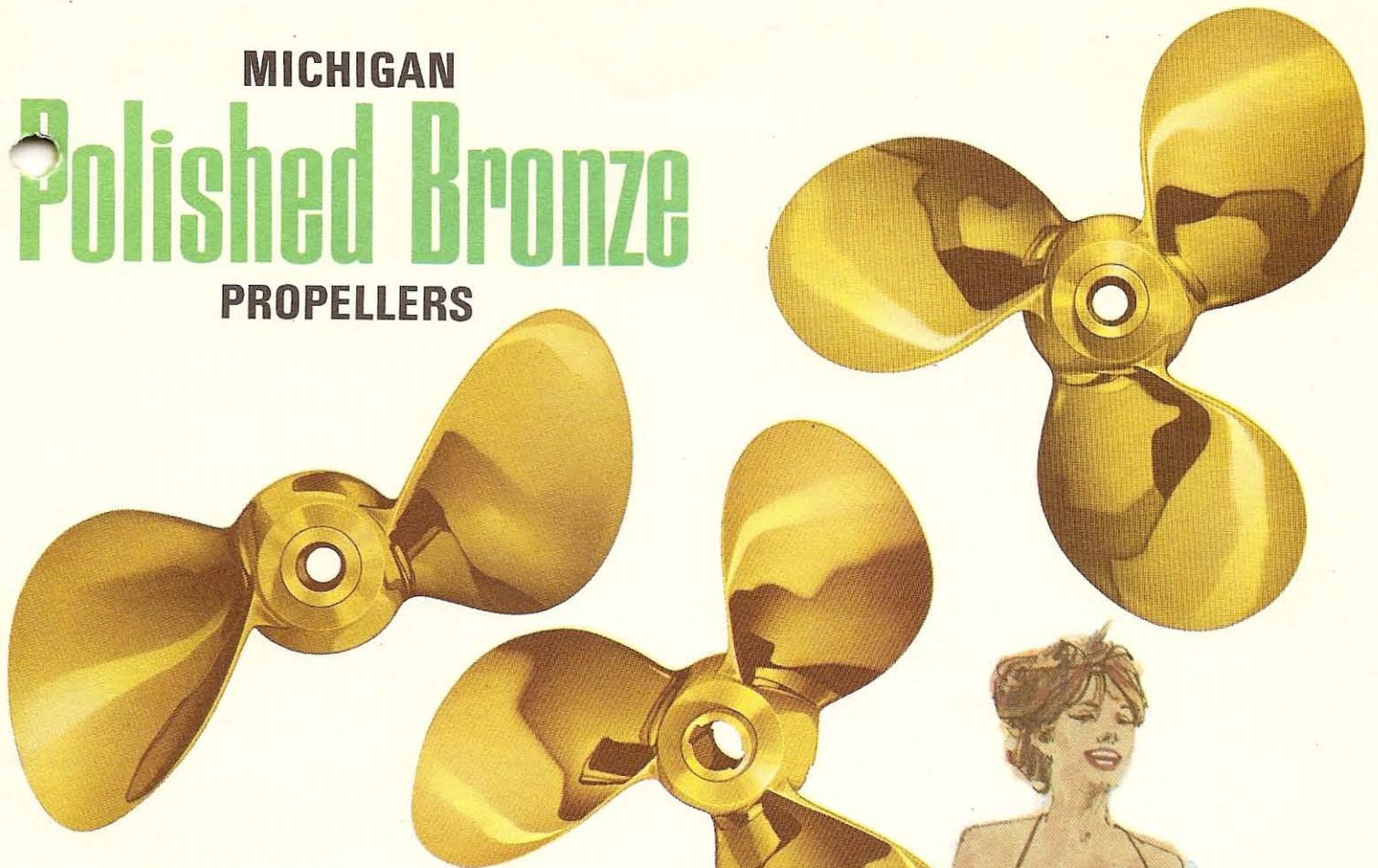
No. Bronze is an ideal propeller material having numerous advantages over aluminum or die-cast material. Bronze is strong, ductile, repairable, corrosion resistant and in normal service will last the life of the motor.

Frequently you may 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 economical to have outboard props repaired?

Generally a good repair job costs from  $\frac{1}{3}$  to  $\frac{1}{2}$  the new propeller price.

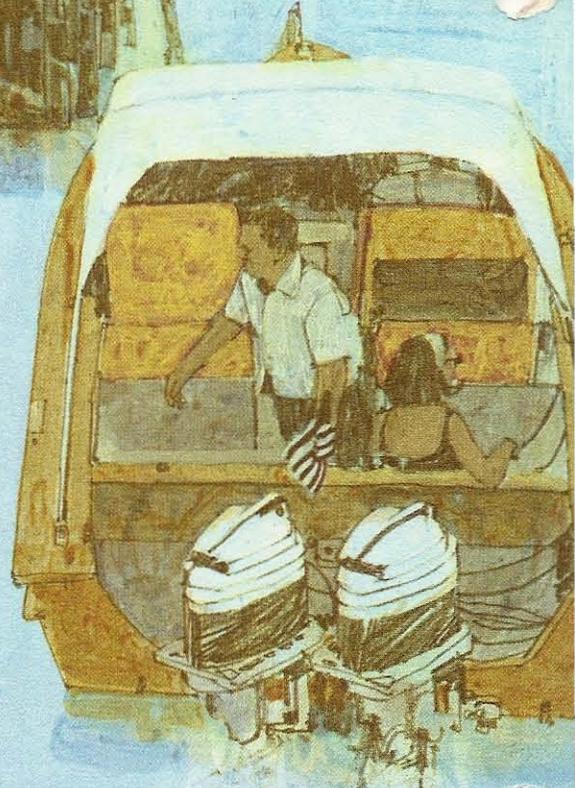
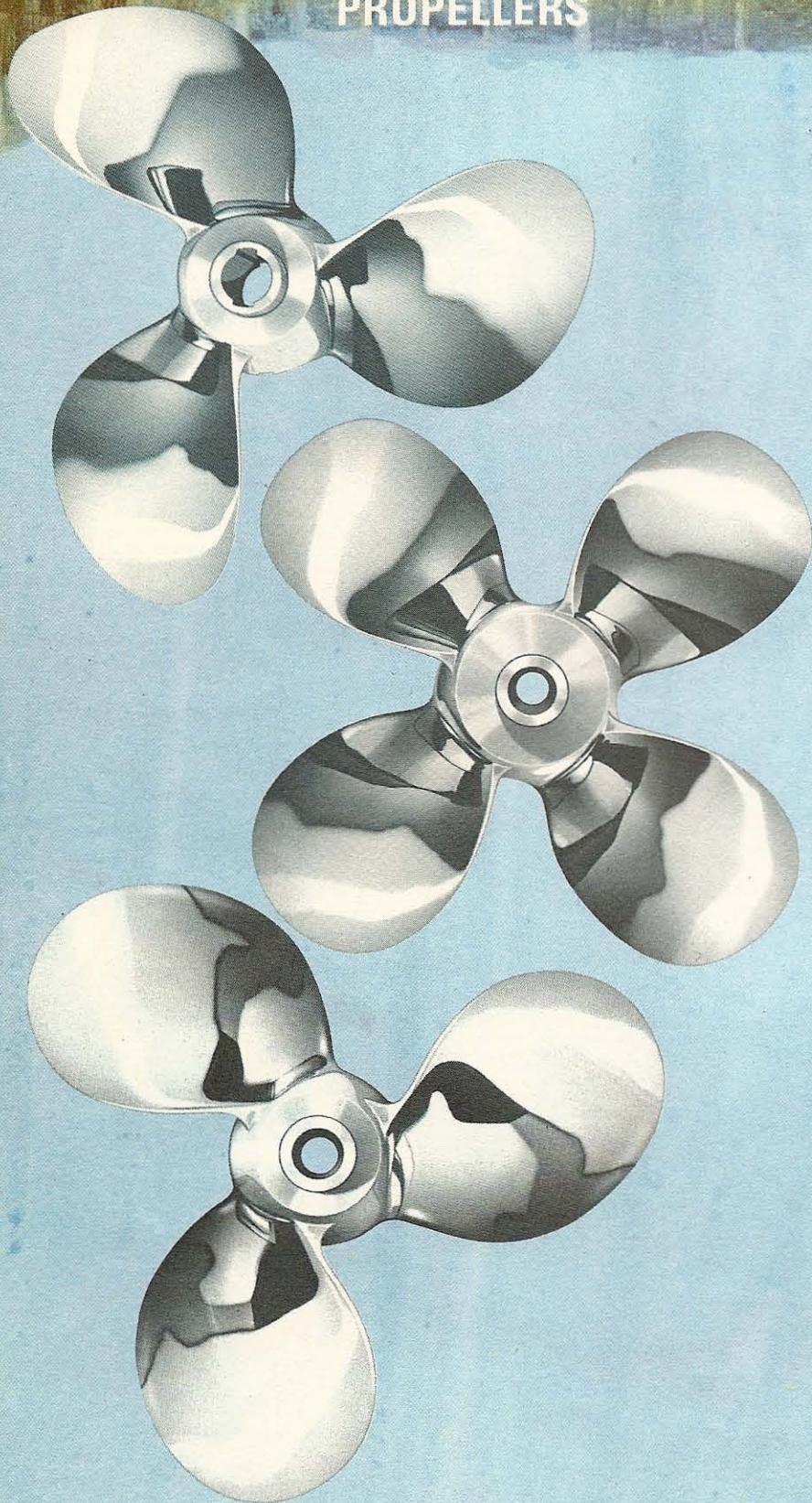
# MICHIGAN Polished Bronze PROPELLERS



Michigan Polished Bronze Props offer the ultimate quality combination of strength and reparability . . . each is polished to mirror brightness, with special attention given to edges, to provide maximum performance. The result is normally two-plus mph over die-cast props. These props feature machined-pitch construction; cushioned hubs where recommended for gear shift motors; Michigan's guarantee that, when used as recommended, no damage to shift mechanism can occur due to weight factor; Michigan's guarantee against blade breakage at the hub, for the life of the prop; and dynamic balance at no extra charge. Michalloy-K Bronze has tensile strength of 72,000 lbs. P.S.I.; minimum yield 35,000 lbs. P.S.I.; and elongation 27%. Virtually all Michigan designs, for all motors, boats and uses are available in Polished Bronze, and millions have been sold for use with gear shift motors. Also available in bronze is the Prop-Rider, indicated by "PR" in part number prefix . . . a Michigan exclusive, designed for riding close to the water's surface without cavitation. High efficiency, in recommended installations, results from special construction in which pitch varies over the face of the blade, providing most effective use of blade's working surface.



MICHIGAN  
Hi-Strength  
**Aluminum**  
PROPELLERS



Michigan uses its superior quality, high strength aluminum alloy to assure maximum strength possible for aluminum application. Props of Hi-Strength Aluminum are offered in the same range of sizes and styles as in Polished Bronze, and with the same features. Aluminum offers the advantage of lower price, though these props are not quite as strong and are not as easily repairable. While not as fast as bronze wheels, they do offer 5% to 10% greater efficiency than Economy Aluminum wheels. In the manufacture of Hi-Strength Aluminum Propellers, special attention is given to blade smoothness, blade edges, elimination of casting irregularities, and to elimination of fillets at hubs . . . to provide smooth, non-cavitating action and efficient use of horsepower. Some models have enamel finish for added corrosion resistance. An example of Michigan's exclusive Hi-Strength Aluminum is Michalum . . . a specially formulated alloy, fully repairable and weldable, non-brittle, corrosion resistant, with tensile strength of 38,000 lbs. P.S.I.; yield strength of 30,000 lbs. P.S.I.; and elongation 7%. Michalum's physical properties are so high as to hold pitch at high rpm and speed, but naturally does not have the impact resistance of bronze.

MICHIGAN

# Propeller selector and price list

## HOW TO USE

This 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 the description most nearly fitting your situation, and opposite this, in the remaining columns, you will see the recommended wheels in Bronze, Aluminum, Featherweight, Cupped and Economy models, along with their prices. See pages 5, 6, 19, 20 and 21 for descriptions of these five basic types of propeller.

## NOTE:

This mark <sup>■</sup> will identify the newly introduced Prop-Rider style propellers, which are of a special pitch generation in which the center of pitch generation does not coincide with the center of rotation, providing a concave propeller blade section resulting in heretofore unimagined efficiency. This type of blade section, in addition to increased efficiency, offers cavitation suppression advantages, which in turn allows Michigan's Prop-Rider style propellers to be run higher on the transom with the till-pin setting of the unit one notch higher, resulting in increased boat performance. Planing boats experience performance advantages of 2-3 mph when compared to the standard propeller. The lighter the boat, of course, the greater the performance advantage.

The Prop-Rider style is the latest breakthrough in design by Michigan research teams. The installation of this premium propeller on your boat will result in performance beyond your expectations.

# SELECTOR AND PRICE LIST

# Michigan Propellers

# Bronze

SEE PAGE 5

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE
<b>CHRYSLER</b>						
3½ H.P. RPM Range 4000-5000	64-67	Standard Replacement				
5½-6 H.P. 60 RPM Range 4000-5000	56-59 64-67	Standard Replacement				
7½-8 H.P. 9.9.2 H.P. RPM Range 4000-5000	56-61 65-67	Houseboats, sailboats 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats Standard Replacement 12-14' runabouts, light loads	AMC302	3	8 x 7	\$13.50
12 H.P.—100 RPM Range 4500-5500	55-64	14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, light loads	AJC55 AMC356	2 3	8 x 8½ 8½x 7	12.00 19.00
16-18-20 H.P. 200 RPM Range 4500-5500	59-67	17-19' runabouts, all loads, skis, or two engines, large cruisers Standard Replacement 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 12-14' runabouts, light loads	AMC352 AJC95	3 2	8½x 9 8½x11	19.00 19.00
25-30-35 H.P. RPM Range 4400-5100	58-63	17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats				
40-45-50 H.P.—500 35 H.P.—350	61-65	17-19' runabouts, all loads, skis, or two engines, large cruisers Standard Replacement 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers Standard Replacement 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC716 SMC714	3 3	10½x11 10½x12	24.00 24.00
RPM Range 4400-5100		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats Standard Replacement 14-16' runabouts, light loads Light runabouts, light loads Racing runabouts	AMC376 AJC304	3 2	10¾x14½ 10½x16	24.00 26.00
35-45-50-55 H.P. (Splined shaft)	66-67	20-24' cruisers, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 17-19' runabouts, all loads, skis, or two engines, large cruisers	AMC307 AMC309 PR131	3 3 3	10¾x10 10¾x11½ 10¼x11	24.00 24.00 27.00
55 H.P. RPM Range 5000-5500		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC311 PR133 AMC313 PR135	3 3 3 3	10¾x12½ 10¼x12 10¾x13½ 10¼x13	24.00 27.00 24.00 27.00
35-45-50 H.P. RPM Range 4400-5100		14-16' runabouts, light loads 12-14' runabouts, light loads	AJC310	2	10½x15	25.50
75 H.P. (Splined shaft)	66-67	Large cruisers, house boats, one engine 20-24' cruisers, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC71 SMC96 SMC75 SMC77 SMC79	3 3 3 3 3	13 x10 12½x11 12½x12 12½x13 12½x14	37.50 37.50 37.50 37.50 37.50
RPM Range 4400-5100		Light runabouts, Light loads 12-14' runabouts, light loads	AJC507 AJC489	2 2	12 x14 12 x15	37.50 37.50
80 H.P.—800	61-65	Barges, extra heavy boats 20-24' cruisers, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, loads, skis	SMC82 SMC68 SMC60 SMC62	3 3 3 3	13 x 8 12½x12 12½x13 12½x14	38.00 38.00 38.00 38.00
RPM Range 4400-5100		Light runabouts, light loads	AJC487	2	12 x16	38.00
105 H.P. (Splined Shaft)	66-67	Large cruisers, house boats, one engine 20-24' cruisers, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC83 SMC85 SMC87	3 3 3	13 x12 13 x13 13 x14	40.00 40.00 40.00
RPM Range 4500-5500		14-16' runabouts, light loads 12-14' runabouts, light loads 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	AJC498 AJC500 SMC89	2 2 3	13 x14 13 x15 13 x15	40.00 40.00 40.00
		Light runabouts Racing runabouts	AJC502 AJC504	2 2	13 x16 13 x17	40.00 40.00
<b>ELGIN</b>						
7½ H.P. RPM Range 4200-4800	60-67	12-14' runabouts, light loads Light runabouts, light loads	AJC62	2	6 x 8	14.00
9 H.P. RPM Range 4800-5600	67	Standard Replacement 14-16' runabouts, All loads 12-14' boats, light loads	AJC80	2	8 x 9½	17.50
12 H.P. 12 H.P.—14 H.P.	55-59 60-67	14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC534 AMC533	3 3	8¼ x 7 8¼x 8	15.50 15.50
RPM Range 4600-5400		Standard Replacement Light runabouts, light loads				
25-27.7-28 H.P.	60-67	Large cruisers, house boats, one engine 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats Standard Replacement	SMC849 SMC851	3 3	9 x 9 9 x10	20.00 20.00
RPM Range 4600-5400		Light runabouts, light loads	AJC518	2	9½x11½	20.00
35 H.P.	65	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers Standard Replacement 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, light loads	SMC716 SMC714	3 3	10½x11 10½x12	24.00 24.00
40-43.7-45 H.P.	59-67	Light runabouts, light loads 17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AJC304 SMC636 SMC638 SMC640	2 3 3 3	10½x16 10 x10 10 x11 10 x12	22.50 22.50 22.50 22.50
RPM Range 4800-5600		14-16' runabouts, light loads 12-14' runabouts, light loads				

# Aluminum

SEE PAGE 6

# Cupped

SEE PAGE 19

# Featherweight

SEE PAGE 20

# Economy

SEE PAGE 21

Aluminum				Cupped				Featherweight				Economy				
PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	NEAREST EQUIVALENT ORIGINAL	BLADES	DIA. & PITCH	PRICE
G-20	2	7½ x 4½	\$5.00													
GC54	2	7½ x 7	8.50													
AMC320	3	8 x 5½	11.50													
GC55	2	8 x 8	9.00													
AMC355	3	8½ x 8	16.00													
AMC359	3	8½ x 7½	16.00													
AMC365	3	8½ x 8½	16.00													
AMC353	3	8½ x 9	16.00													
SMC708	3	10½ x 10	17.00													
SMC704	3	10½ x 11	17.00													
SMC703	3	10½ x 12	17.00													
SMC717	3	10½ x 11	16.50													
AMC393	3	10½ x 11½	16.50													
SMC715	3	10½ x 12	16.50					F3W52	3	10½ x 12	\$24.00					
AMC366	3	10½ x 12½	16.50													
SMC713	3	10½ x 13	16.50	Cup 254	Br 3	10¼ x 13	\$31.50									
AMC367	3	10½ x 13½	16.50													
AMC377	3	10½ x 14½	16.50													
AMC310	3	10½ x 11½	17.50	Cup 260	Br 3	10¼ x 11	31.50									
PR130	3	10¼ x 11	18.00													
AMC394	3	10½ x 12½	17.50					F3W60	Br 3	10½ x 12	24.00					
PR132	3	10¼ x 12	18.00													
AMC314	3	10½ x 13½	17.50	Cup 264	Br 3	10¼ x 13	31.50									
PR134	3	10¼ x 13	18.00													
AMC316	3	10½ x 14½	17.50	Cup 268	Br 2	10¼ x 16	33.50									
SMC90	3	13 x 10	24.50													
SMC73	3	12½ x 11	24.50													
SMC74	3	12½ x 12	24.50					F3W88	Br 3	12 x 12	38.00					
SMC76	3	12½ x 13	24.50	Cup 310	Br 3	12 x 12	47.00									
SMC78	3	12½ x 14	24.50	Cup 312	Br 2	11¾ x 16	42.00									
SMC69	3	12½ x 12	24.00													
SMC61	3	12½ x 13	24.00													
SMC63	3	12½ x 14	24.00													
SMC65	3	12½ x 15	24.00													
SMC82	3	13 x 12	27.50													
SMC84	3	13 x 13	27.50													
SMC86	3	13 x 14	27.50	Cup 314	Br 3	12½ x 13	50.00									
SMC88	3	13 x 15	27.50													
				Cup 316	Br 2	12½ x 16	46.00									
SAC371	3	6 x 6	12.00													
AJC63	2	6 x 8	8.50													
SMC23	3	8¼ x 8½	12.00													
SMC24	3	8¼ x 7½	12.00													
AMC355	3	8½ x 8	16.00													
AMC535	3	8¼ x 8½	10.50													
AMC532	3	8¼ x 9	10.50													
SMC846	3	9 x 7	14.00													
SMC848	3	9 x 9	14.00													
AMC670	4	9 x 9	19.50													
SMC850	3	9 x 10	14.00										PS25	3	9 x 10	\$12.00
AJC517	2	9½ x 11½	16.50													
SMC717	3	10½ x 11	16.50													
AMC393	3	10½ x 11½	16.50													
SMC715	3	10½ x 12	16.50													
SMC713	3	10½ x 13	16.50													
SMC635	3	10 x 10	16.50													
SMC637	3	10 x 11	16.50					F3W10	3	10 x 11	22.50					
SMC639	3	10 x 12	16.50	{Cup 150	Br 3	10 x 11	31.50	F3W11	3	10 x 12	22.50		PS40	3	10 x 12½	13.50
				{Cup 151	Al 3	10 x 11	21.00									
SMC641	3	10 x 13	16.50													
SMC697	3	10 x 14	16.50	{Cup 154	Br 3	10 x 13	31.50	F3W12	3	10 x 13	22.50					
				{Cup 155	Al 3	10 x 13	21.00									
				Cup 158	Br 2	10¼ x 15	33.50	F2W15	2	10¼ x 15	26.00					

# SELECTOR AND PRICE LIST

# Michigan Propellers

# Bronze

SEE PAGE 5

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE
<b>ELGIN (continued)</b>						
60-75.2 H.P.	59-67	Barges, extra heavy boats 20-24' cruisers, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC629 AMC674 SMC626 SMC628	3 4 3 3	11½x 8 11½x10 11½x11 11½x12	\$34.50 40.00 34.50 34.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, light loads	SMC620 SMC622	3 3	11½x13 11½x14	34.50 34.50
RPM Range 4800-5600		Light runabouts, light loads Racing runabouts	AJC124	2	11½x16	30.50
<b>EVINRUDE-JOHNSON</b>						
100 H.P.	66-67	Large cruisers, house boats, one engine	PR117	3	14 x10	62.00
		20-24' cruisers, one engine	PR119	3	14 x12	62.00
RPM Range 4500-5500		17-19' runabouts, all loads, skis, or two engines large cruisers	PR104	3	13 x14	47.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	PR106	3	12½x15	45.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	PR108	3	12½x16	45.00
		16-17' runabouts, light loads	PR110	3	12½x17	45.00
		12-14' runabouts, light loads	AJC221	2	13½x17	47.00
		14-16' runabouts, light loads	PR112	3	12½x18	45.00
		Light runabouts, light loads	AJC223	2	13½x18	47.00
		Racing runabouts	AJC225	2	13½x19	47.00
60-75-80-90 H.P.	60-67	Barges, extra heavy boats 20-24' cruisers, one engine	SMC863	3	10½x 8	28.50
RPM Range 4000-5000		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC861	3	10¼x 9	28.50
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC855	3	10¼x10	28.50
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC857	3	10½x11	28.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC859	3	10 x12	28.50
		14-16' runabouts, light loads	SMC866	3	10 x13	28.50
		12-14' runabouts, light loads	SMC868	3	10 x14	28.50
		Light runabouts, light loads	AJC455	2	10¾x15	31.50
		Racing runabouts				
*Small Hub prop—uses special Small Nut—Part No. NP-74 at \$1.00 list:						
50 H.P.	58-59	Large cruisers, house boats, one engine—Barges, extra heavy boats	SMC72	3	13 x 8	38.00
60-75-80 H.P. with 50 H.P. Gear Case	64-67	Large cruisers, house boats, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 20-24' cruisers, one engine 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC68 SMC60	3 3	12½x12 12½x13	38.00 38.00
RPM Range 4000-5000		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC62	3	12½x14	38.00
		14-16' runabouts, light loads				
		Light runabouts, light loads	AJC487	2	12 x16	38.00
33-35-40 H.P.	58-67	Barges, extra heavy boats 20-24' cruisers, one engine 20-24' cruisers, one engine	SMC48 SMC50	3 3	10½x 8 10½x10	24.00 24.00
25-28-30 H.P. Use one inch lower pitch	51-64	17-19' runabouts, all loads, skis, or two engines, large cruisers 17-19' runabouts, all loads, skis, or two engines, large cruisers 17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC52 PR93 AMC464	3 3 4	10½x11 10¼x11 10 x11	24.00 26.00 27.00
RPM Range 4000-5000		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC54	3	10½x12	24.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	PR95	3	10¼x12	26.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers Weedless				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC56	3	10½x13	24.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	PR97	3	10¼x13	26.00
		14-16' runabouts, light loads	SMC58	3	10½x14	24.00
		12-14' runabouts, light loads	SMC66	3	10½x15	24.00
		12-14' runabouts, light loads	AJC466	2	10½x15	26.00
		Racing runabouts				
14-15-18-20 H.P.	50-67	Barges, extra heavy boats 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC38 SMC40	3 3	9½x 7 9 x 9	19.00 19.00
RPM Range 4000-5000		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats Weedless	SMC42	3	9 x10	19.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	EWC18	3	9 x10	19.00
		14-16' runabouts, light loads	SMC44	3	9 x11	19.00
		Light runabouts, light loads	AJC417	2	9½x12	19.00
10 H.P.	50-57	Standard Replacement 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, light loads				
RPM Range 4000-5000		12-14' runabouts, light loads	AJC201	2	8½x11	19.00
10 H.P. 9½ H.P.	58-63 64-67	Barges, extra heavy boats Large cruisers, house boats, one engine 14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats Weedless	SMC15 JWC12	3 3	8½x 8 8½x 8	17.50 17.50
RPM Range 4000-5000		14-16' runabouts, light loads	SMC17	3	8½x 9	17.50
		Light runabouts, light loads	AJC175	2	8 x10	17.50
6 H.P.	66-67	14-16' runabouts, light loads 12-14' runabouts, light loads	AMC421 AMC423	3 3	7¾x 6½ 7¾x 7	12.00 12.00
RPM Range 4000-5000		Standard Replacement				

■ Prop Rider—Exclusive Design—High Performance

# Aluminum

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# Cupped

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# Featherweight

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# Economy

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Aluminum				Cupped				Featherweight				Economy				
PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	NEAREST EQUIVALENT ORIGINAL	BLADES	DIA. & PITCH	PRICE
SMC530	3	1 1/2 x 8	\$30.00													
SMC631	3	1 1/2 x 11	30.00	{Cup 200	Br 3	1 1/4 x 11	\$43.00	F3W20	3	11 x 11	\$34.50	PS71		3	1 1/2 x 12	\$18.00
SMC627	3	1 1/2 x 12	30.00	{Cup 201	Al 3	1 1/4 x 11	36.00	F3W21	3	11 x 12	34.50					
SMC621	3	1 1/2 x 13	30.00	{Cup 204	Br 3	1 1/4 x 13	43.00	F3W22	3	11 x 13	34.50	PS70		3	1 1/2 x 14	18.00
SMC623	3	1 1/2 x 14	30.00	{Cup 205	Al 3	1 1/4 x 13	36.00									
				Cup 208	Br 2	1 1/4 x 16	39.00	F2W25	2	10 3/4 x 16	30.50					
												PR116		3	14 x 10	39.50
												PR118		3	14 x 12	39.50
												PR105	381442	3	13 x 14	35.00
												PR107		3	12 1/2 x 15	35.00
												PR109	381020	3	12 1/2 x 16	35.00
												PR111		3	12 1/2 x 17	35.00
												PR113	381021	3	12 1/2 x 18	35.00
SMC865	3	10 3/8 x 6	18.00													
SMC864	3	10 1/2 x 8	18.00													
SMC862	3	10 3/4 x 9	18.00					F3W69	3	10 x 9 1/4	30.50	PJ74*	379260	3	10 x 9 1/4	11.00
SMC856	3	10 3/4 x 10	18.00	Cup 98	Al 3	10 x 9	23.00	F3W70	3	10 x 10	30.50	PJ75	378040	3	10 1/4 x 10	12.00
												PJ78	593437	3	9 1/2 x 10	12.00
SMC858	3	10 3/4 x 11	18.00	{Cup 100	Br 3	10 x 10	36.00	F3W71	3	10 x 11	30.50	PJ76	377978	3	10 x 11	12.00
				{Cup 101	Al 3	10 x 10	23.00					PJ73*	381446	3	10 x 11	12.00
SMC860	3	10 x 12	18.00	{Cup 104	Br 3	10 x 12	36.00	F3W72	3	10 x 12	30.50	PJ77	378039	3	10 x 12	12.00
SMC867	3	10 x 13	18.00	{Cup 105	Al 3	10 x 12	23.00	F3W73	3	10 x 13	30.50					
SMC869	3	10 x 14	18.00	Cup 108	Br 2	10 1/4 x 14	39.00	F3W74	3	10 x 14	30.50					
								F2W75	2	10 1/4 x 15	33.00					
								F2W77	2	10 1/4 x 17	33.00					
								(NUT & PIN FURNISHED)								
												PJ51		3	13 x 8	15.00
												PJ52		3	13 x 9	15.00
												PJ56		3	13 3/4 x 9	19.00
												PJ53		3	13 x 10	15.00
												PJ50	278155	3	12 1/2 x 14	14.00
SMC47	3	10 1/2 x 8	16.50													
SMC51	3	10 1/2 x 10	16.50					F3W40	3	10 1/2 x 10	24.00	PJ41		3	10 1/2 x 10	12.50
AMC384	3	11 x 10	23.50													
SMC53	3	10 1/2 x 11	16.50					F3W41	3	10 1/2 x 11	24.00	PJ31	{377410- 378581}	3	10 3/8 x 11 1/2	11.50
PR92	3	10 1/4 x 11	18.00									PJ30	{378580 277580 277581}	3	10 3/8 x 12 1/2	11.50
AMC444	4	10 x 11	22.50	{Cup 40	Br 3	10 1/2 x 11	31.50	F3W42	3	10 1/2 x 12	24.00	PJ32	380637	3	10 1/2 x 12	11.00
SMC55	3	10 1/2 x 12	16.50	{Cup 41	Al 3	10 1/2 x 11	21.00									
PR94	3	10 1/4 x 12	18.00					F3W43	3	10 1/2 x 13	24.00	PJ35	{277617 378579}	3	10 3/8 x 13 1/4	11.50
AMC445	4	10 x 12	22.50													
JWC41	2	10 3/8 x 12 1/2	18.50	{Cup 44	Br 3	10 1/2 x 13	31.50					PJ40	{278194 378571}	3	10 3/8 x 14	11.50
SMC57	3	10 1/2 x 13	16.50	{Cup 45	Al 3	10 1/2 x 13	21.00									
PR96	3	10 1/4 x 13	18.00													
SMC59	3	10 1/2 x 14	16.50	Cup 48	Br 2	10 1/4 x 15	33.50									
SMC67	3	10 1/2 x 15	16.50													
SMC39	3	9 1/4 x 7	13.50													
SMC41	3	9 x 9	13.50									PJ19		3	9 x 9	10.50
AMC448	4	9 x 9	18.00													
SMC43	3	9 x 10	13.50													
EWC19	3	9 x 10	13.50													
SMC45	3	9 x 11	13.50									PJ18	377636	3	9 1/4 x 11	9.00
AMC264	3	8 1/2 x 8 1/2	13.50									PJ9	{377083 277595}	3	9 x 8	9.00
AMC263	3	8 1/2 x 10	13.50													
SMC14	3	8 1/4 x 5	11.50													
	3	8 1/4 x 6 1/2	11.50													
	3	8 1/4 x 8	11.50									PJ11		3	8 1/2 x 8	9.00
JWC13	3	8 1/4 x 8	11.50									PJ10	377635	3	8 1/4 x 8 1/2	8.50
SMC18	3	8 1/4 x 9	11.50													
AMC422	3	7 3/4 x 6 1/2	9.00													
												PJ8		2	8 x 7 1/4	8.00

# SELECTOR AND PRICE LIST

# Michigan Propellers

# Bronze

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MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE
<b>EVINRUDE-JOHNSON (continued)</b>						
5½ H.P.	56-64	14-16' runabouts, light loads	AM430	3	7¾x 6½	\$
6 H.P.	65	Weedless				
RPM Range 4000-5000		12-14' runabouts, light loads	AM433	3	7¾x 7	12.00
		Standard Replacement				
5 H.P.	65-67	14-16' runabouts, light loads	AMC420	3	7¾x 6½	12.00
		12-14' runabouts, light loads				
RPM Range 3500-4500		Standard Replacement				
3 H.P.	64-67	Standard Replacement				
Right Angle Drive	RPM Range 3500-4500	Light runabouts, light loads				
3 H.P.	55-67	Standard Replacement				
Anglematic Drive	RPM Range 3500-4500					
<b>FIRESTONE</b>						
7½ H.P.	60-64	Standard Replacement				
8 H.P.	60-64	12-14' runabouts, light loads	AMC302	3	8 x 7	13.50
		Standard Replacement				
		Light runabouts, light loads	AJC55	2	8 x 8½	12.00
12 H.P.	60-64	14-16' runabouts, light loads	AMC356	3	8½x 7	19.00
		12-14' runabouts, light loads				
25-40 H.P.	60-64	17'-19' boats, loads, skis				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats				
<b>GALE</b>						
5 H.P.	55-63	14-16' runabouts, light loads	AM430	3	7¾x 6½	12.00
		Weedless				
		12-14' runabouts, light loads	AM433	3	7¾x 7	12.00
		Standard Replacement				
12-15 H.P.	51-63	Large cruisers, house boats, one engine	SMC38	3	9¼x 7	19.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC40	3	9 x 9	19.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats				
		12-14' runabouts, light loads	SMC42	3	9 x10	19.00
		Weedless	EWC18	3	9 x10	19.00
		Standard Replacement				
		Light runabouts, light loads	AJC411	2	8½x12	19.00
22-25-35-40 H.P.	55-63	Barges, extra heavy boats	SMC48	3	10½x 8	24.00
		20-24' cruisers, one engine	SMC50	3	10½x10	24.00
		20-24' cruisers, one engine				
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC52	3	10½x11	24.00
		17-19' runabouts, all loads, skis, or two engines, large cruisers	AMC464	4	10 x11	
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC54	3	10½x12	24.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers				
		Weedless				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC56	3	10½x13	24.00
		14-16' runabouts, light loads	SMC58	3	10½x14	24.00
		12-14' runabouts, light loads	AJC466	2	10½x15	26.00
		Racing runabouts				
RPM Range 4000-5000						
60 H.P.	60-63	Barges, extra heavy boats	SMC863	3	10½x 8	28.50
		20-24' cruisers, one engine				
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC861	3	10¼x 9	28.50
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC855	3	10¼x10	28.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC857	3	10½x11	28.50
		12-14' runabouts, light loads				
		Light runabouts, light loads				
		Racing runabouts	AJC455	2	10¾x15	31.50
<b>HOMELITE</b>						
55 H.P.	62-67	Large cruisers, house boats, one engine	SMC629	3	11½x 8	34.50
		Large cruisers, house boats, one engine				
		20-24' cruisers, one engine				
		17-19' runabouts, all loads, skis, or two engines, large cruisers				
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC626	3	11½x11	34.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC628	3	11½x12	34.50
		14-16' runabouts, light loads	SMC620	3	11½x13	34.50
		12-14' runabouts, light loads	AJC124	2	11½x16	30.50
<b>SCOTT McCULLOCH</b>						
3½-4 H.P.	46-67	Standard Replacement				
		Heavy boats, Sailboats				
7½ H.P. Weedless	60-67	12-14' runabouts, light loads	AJC62	2	6 x 8	14.00
RPM Range 4200-4800		Light runabouts, light loads				
7½ H.P.	63-67	14-16' runabouts, light loads				
Straight Lower Unit.		Standard Replacement				
Right Hand	RPM Range 4200-4800					
9 H.P.	67	Houseboats, sailboats				
		Standard replacement				
		14'16' runabouts, All loads				
RPM Range 4800-5600		12-14' Light boats, Light Loads	AJC80	2	8 x 9½	17.50

■Prop Rider—Exclusive Design—High Performance

# Aluminum

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# Cupped

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# Featherweight

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Aluminum					Cupped				Featherweight				Economy							
PART NO.	BLADES	DIA. & PITCH		PRICE	PART NO.	BLADES	DIA. & PITCH		PRICE	PART NO.	BLADES	DIA. & PITCH		PRICE	PART NO.	NEAREST EQUIVALENT ORIGINAL	BLADE	DIA. & PITCH		PRICE
JWC5	3	7 3/4 x	6 1/2	9.00																
J300	2	8 x	7 1/2	5.50											PJ300	376968	2	8 x	7 1/4	\$4.50
AMC419	3	7 3/4 x	6 1/2	9.00																
AMC417	3	7 3/4 x	7 1/2	9.00																
G50	2	7 1/2 x	8 1/2	9.00																
GC55	2	8 x	8	9.00																
AMC355	3	8 1/2 x	8	16.00																
SMC708	3	10 1/2 x	10	17.00																
SMC704	3	10 1/2 x	11	17.00																
AM431	3	7 3/4 x	6 1/2	9.00																
JWC5	3	7 3/4 x	6 1/2	9.00																
J300	2	8 x	7 1/2	5.50											PJ300	376968	2	8 x	7 1/4	4.50
SMC39	3	9 1/4 x	7	13.50																
SMC41	3	9 x	9	13.50																
AMC448	4	9 x	9	18.00																
SMC43	3	9 x	10	13.50																
EWC19	3	9 x	10	13.50																
SMC47	3	10 1/2 x	8	16.50																
SMC51	3	10 1/2 x	10	16.50						F3W40	3	10 1/2 x	10	\$24.00	PJ41		3	10 1/2 x	10	12.50
AMC384	3	11 x	10	23.50																
SMC53	3	10 1/2 x	11	16.50						F3W41	3	10 1/2 x	11	24.00	PJ31	{ 377410 378581	3	10 3/8 x	11 1/2	11.50
SMC55	3	10 1/2 x	12	16.50	{ Cup 40 Br 3 10 1/2 x 11 \$31.50 Cup 41 Al 3 10 1/2 x 11 21.00					F3W42	3	10 1/2 x	12	24.00	PJ30	{ 378580 277580 277581	3	10 3/8 x	12 1/2	11.50
AMC445	4	10 x	12	22.50																
JWC41	2	10 3/8 x	12 1/2	18.50																
SMC57	3	10 1/2 x	13	16.50						F3W43	3	10 1/2 x	13	24.00	PJ35	{ 277617 378579	3	10 3/8 x	13 3/4	11.50
SMC59	3	10 1/2 x	14	16.50	{ Cup 44 Br 3 10 1/2 x 13 31.50 Cup 45 Al 3 10 1/2 x 13 21.00										PJ40	{ 278194 378571	3	10 3/8 x	14	11.50
SMC865	3	10 3/8 x	6	18.00																
SMC864	3	10 1/2 x	8	18.00																
SMC862	3	10 1/4 x	9	18.00						F3W69	3	10 x	9 1/4	30.50	PJ74*	379260	3	10 x	9 1/4	11.00
SMC856	3	10 1/4 x	10	18.00	Cup 98 Al 3 10 x 9 23.00					F3W70	3	10 x	10	30.50	PJ75	378040	3	10 1/4 x	10	12.00
SMC858	3	10 3/8 x	11	18.00											PJ78	593437	3	9 1/2 x	10	12.00
					Cup 100 Br 3 10 x 10 36.00					F3W71	3	10 x	11	30.50	PJ76	377978	3	10 x	11	12.00
					Cup 101 Al 3 10 x 10 23.00					F3W72	3	10 x	12	30.50	PJ73*	381446	3	10 x	11	12.00
										F3W73	3	10 x	13	30.50	PJ77	378039	3	10 x	12	12.00
										F3W74	3	10 x	14	30.50						
					Cup 108 Br 2 10 1/4 x 14 39.00					F2W75	2	10 1/4 x	15	33.00						
SMC630	3	11 1/2 x	8	30.00																
AMC712	4	11 1/2 x	8	35.00																
SMC615	3	11 1/2 x	9	30.00																
SMC616	3	11 1/2 x	10	30.00	{ Cup 200 Br 3 11 1/4 x 11 43.00 Cup 201 Al 3 11 1/4 x 11 36.00															
SMC631	3	11 1/2 x	11	30.00						F3W20	3	11 x	11	34.50						
SMC627	3	11 1/2 x	12	30.00						F3W21	3	11 x	12	34.50						
SMC621	3	11 1/2 x	13	30.00	Cup 204 Br 3 11 1/4 x 13 43.00					F3W22	3	11 x	13	34.50						
					Cup 205 Al 3 11 1/4 x 13 36.00															
					Cup 208 Br 2 11 1/4 x 16 39.00					F2W25	2	10 3/4 x	16	30.50						
SA10	2	7 3/8 x	6	5.50																
	2	7 3/8 x	5	7.50																
AJC03	1	3	6 x 6	12.00																
SMC22	3	8 1/4 x	5	12.00																
SMC20	3	8 1/2 x	6 1/2	12.00																
SMC22	3	8 1/4 x	5	12.00																
SMC23	3	8 1/4 x	8 1/2	12.00																
SMC24	3	8 1/4 x	7 1/2	12.00																

# SELECTOR AND PRICE LIST

# Michigan Propellers

# Bronze

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MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE
<b>McCULLOCH (continued)</b>						
12 H.P.	60-67	14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC534	3	8½x 7	\$15.50
14.1 H.P.		14-16' runabouts, light loads Standard Replacement	AMC533	3	8½x 8	15.50
RPM Range 4600-5400		Light runabouts, light loads				
OX-140 RPM Range 4600-5400	62-67	Standard Replacement				
OX-450 RPM Range 4800-5600	66-67	Standard Replacement				
22-25-27.7-28 H.P.	58-67	17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC849	3	9 x 9	20.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers				
		14-16' runabouts, light loads	SMC851	3	9 x10	20.00
		12-14' runabouts, light loads	AJC518	2	9½x11½	20.00
RPM Range 4600-5400		Light runabouts, light loads				
30-33-40 H.P.	55-58	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC648	3	10 x11	22.50
Left Hand		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats 14-16' runabouts, light loads	SMC650	3	10 x12	22.50
40-43.7-45 H.P.	59-67	17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC636	3	10 x10	22.50
Right Hand		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC638	3	10 x11	22.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC640	3	10 x12	22.50
		14-16' runabouts, light loads				
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers				
RPM Range 4800-5600		Light runabouts, light loads				
		Racing runabouts				
60-75.2 H.P.	58-67	Barges, extra heavy boats	SMC629	3	11½x 8	34.50
		Large cruisers, house boats, one engine 20-24' cruisers, one engine	AMC674	4	11½x10	40.00
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC626	3	11½x11	34.50
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC628	3	11½x12	34.50
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC620	3	11½x13	34.50
		14-16' runabouts, light loads	SMC622	3	11½x14	34.50
		Light runabouts, light loads				
		Racing runabouts	AJC124	2	11½x16	30.50
RPM Range 4800-5600						
<b>WARDS SEA KING</b>						
3½ H.P. RPM Range 4000-5000	64-67	Standard Replacement				
5-6 H.P. RPM Range 4000-5000	64-67	Standard Replacement				
8-9-9.2 H.P.	64-67	Houseboats, sailboats				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC302	3	8 x 7	13.50
		Standard Replacement				
RPM Range 4000-5500		12-14' runabouts, light loads	AJC55	2	8 x 8½	12.00
20 H.P.	64-67	17-19' runabouts, all loads, skis, or two engines, large cruisers				
		Standard Replacement				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC352	3	8½x 9	19.00
RPM Range 4500-5500		12-14' runabouts, light loads	AJC95	2	8½x11	19.00
45-50 H.P.	64-65	17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC716	3	10½x11	24.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC714	3	10½x12	24.00
		Standard Replacement				
RPM Range 4400-5100		Standard Replacement				
		14-16' runabouts, light loads	AMC376	3	10¾x14½	24.00
		12-14' runabouts, light loads	AJC304	2	10½x16	26.00
35-45-50-55 H.P.	66-67	20-24' cruisers, one engine	AMC307	3	10¾x10	24.00
(Splined shaft)		17-19' runabouts, all loads, skis, or two engines, large cruisers	AMC309	3	10¾x11½	24.00
		17-19' runabouts, all loads, skis, or two engines, large cruisers	PR131	3	10¾x11	27.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	AMC311	3	10¾x12½	24.00
55 H.P.	RPM Range 5000-5500	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	PR133	3	10¾x12	27.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC313	3	10¾x13½	24.00
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	PR135	3	10¾x13	27.00
35-45-50 H.P.	RPM Range 4400-5100	14-16' runabouts, light loads				
		12-14' runabouts, light loads	AJC310	2	10½x15	25.50
80 H.P.	64-67	20-24' cruisers, one engine	SMC68	3	12½x12	38.00
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC60	3	12½x13	38.00
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC62	3	12½x14	38.00
		12-14' runabouts, light loads				
RPM Range 4400-5100		Racing runabouts	AJC487	2	12 x16	38.00
<b>WEST BEND (SEE CHRYSLER)</b>						
<b>WIZARD</b>						
3½ H.P.	65-67	Standard Replacement				
6 H.P.	65-67	Standard Replacement				
9 H.P.	65-67	Houseboats, sailboats				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC302	3	8 x 7	13.50
		Standard Replacement				
		12-14' runabouts, light loads	AJC55	2	8 x 8½	12.00
20 H.P.	65-67	17-19' runabouts, all loads, skis, or two engines, large cruisers				
		Standard Replacement				
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AMC352	3	8½x 9	19.00
		12-14' runabouts, light loads	AJC95	2	8½x11	19.00

■Prop Rider—Exclusive Design—High Performance

# Aluminum

# Cupped

# Featherweight

# Economy

SEE PAGE 6

SEE PAGE 19

SEE PAGE 20

SEE PAGE 21

Aluminum				Cupped				Featherweight				Economy				
PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	NEAREST EQUIVALENT ORIGINAL	BLADES	DIA. & PITCH	PRICE
AMC535	3	8¼x 8½	\$10.50													
AMC532	3	8¼x 9	10.50													
AMC684	3	13 x 7	20.00													
SMC930	3	14 x 9	35.00													
SMC846	3	9 x 7	14.00													
SMC848	3	9 x 9	14.00													
AMC670	4	9 x 9	19.50													
SMC850	3	9 x10	14.00									PS25		3	9 x10	\$12.00
AJC517	2	9½x11½	16.50													
SMC647	3	10 x11	16.50													
SMC649	3	10 x12	16.50													
SMC654	3	10 x13	16.50													
SMC635	3	10 x10	16.50													
SMC637	3	10 x11	16.50					F3W10	3	10 x11	\$22.50					
SMC639	3	10 x12	16.50	{ Cup 150	Br 3	10 x11	\$31.50	F3W11	3	10 x12	22.50					
				{ Cup 151	Al 3	10 x11	21.00									
SMC641	3	10 x13	16.50	{ Cup 154	Br 3	10 x13	31.50	F3W12	3	10 x13	22.50	PS40		3	10 x12½	13.50
SMC697	3	10 x14	16.50	{ Cup 155	Al 3	10 x13	21.00									
				Cup 158	Br 2	10¼x15	33.50	F2W15	2	10¼x15	26.00					
SMC630	3	11½x 8	30.00													
SMC615	3	11½x 9	30.00													
SMC631	3	11½x11	30.00	{ Cup 200	Br 3	11¼x11	43.00	F3W20	3	11 x11	34.50	PS71		3	11½x12	18.00
SMC627	3	11½x12	30.00	{ Cup 201	Al 3	11¼x11	36.00	F3W21	3	11 x12	34.50					
SMC621	3	11½x13	30.00	{ Cup 204	Br 3	11¼x13	43.00	F3W22	3	11 x13	34.50	PS70		3	11½x14	18.00
SMC623	3	11½x14	30.00	{ Cup 205	Al 3	11¼x13	36.00									
				Cup 208	Br 2	11¼x16	39.00	F2W25	2	10¼x16	30.50					
G-20	2	7½x 4½	5.00													
G-40	2	7½x 7	8.50													
AMC320	3	8 x 5½	11.50													
GC55	2	8 x 8	9.00													
AMC359	3	8½x 7½	16.00													
AMC365	3	8½x 8½	16.00													
AMC353	3	8½x 9	16.00													
SMC717	3	10½x11	16.50													
SMC715	3	10½x12	16.50					F3W52	3	10½x12	24.00					
AMC366	3	10⅝x12½	16.50													
AMC367	3	10⅝x13½	16.50													
AMC377	3	10⅝x14½	16.50	Cup 254	Br 3	10¼x13	31.50									
AMC310	3	10⅝x11½	17.50	Cup 260	Br 3	10¼x11	31.50									
PR130	3	10¼x11	18.00					F3W60	Br 3	10½x12	24.00					
AMC394	3	10⅝x12½	17.50													
PR132	3	10¼x12	18.00													
AMC314	3	10⅝x13½	17.50	Cup 264	Br 3	10¼x13	31.50									
PR134	3	10¼x13	18.00													
AMC316	3	10⅝x14½	17.50	Cup 268	Br 2	10¼x16	33.50									
SMC69	3	12½x12	24.00													
SMC61	3	12½x13	24.00													
SMC63	3	12½x14	24.00													
SMC65	3	12½x15	24.00													
G-20	2	7½x 4½	5.00													
G-40	2	7½x 7	8.00													
AMC320	3	8 x 5½	11.50													
GC55	2	8 x 8	9.00													
AMC359	3	8½x 7½	16.00													
AMC365	3	8½x 8½	16.00													
AMC353	3	8½x 9	16.00													

# SELECTOR AND PRICE LIST

# Michigan Propellers

# Bronze

SEE PAGE 5

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	PITCH	PRICE	PART NO.
<b>MERCURY</b>								
RPM RANGE 5000-5400								
Merc 39	64-67							
Merc 60	61-67							
RPM Range 5000-5400								
Mark 10-10A-15A	57-61	14-16' runabouts, all loads, skis, 14-16' runabouts, light loads 12-14' runabouts, light loads						
Mark 28-28A-200-250	58-62	14-16' runabouts, all loads, skis, 14-16' runabouts, light loads 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers						
Mark 30	56-58	14-16' runabouts, all loads, skis, 12-14' runabouts, light loads	AMC507		3	9½x10	\$27.00	AMC506 AJC570
Merc 110	62-67	14-16' boats, loads, skis						
RPM Range 5000-5400								
Merc 200	63-67	14-16' runabouts, all loads, skis, Standard Replacement						AMC431
RPM Range 5000-5400								
Mark 58-58A-400-500	56-61	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers 14-16' runabouts, all loads, skis, or two engines, 17-19' boats	AMC581-S AMC578-S	48-22105A2	3	10 x10	30.00	AMC580-S AMC577-S
Mark 50-55		14-16' boats, light loads						
Mark 35A-300-350-11 Spline		12-14' runabouts, light loads Racing runabouts	AJC567-S	48-23587A2	2	10¼x13	26.00	
Merc 350-450-500 (Prop Exhaust)	62-67	Large cruisers, house boats, one engine 17-19' runabouts, all loads, skis, or two engines, large cruisers 16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC780 SMC782 SMC779	48-32192A1	3	10½x 9	35.00	SMC783 SMC781
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AJC476	48-32188A1	2	10½x11	28.00	AJC477
350 RPM Range 4800-5200		14-16' runabouts, light loads	AJC478	48-32184A1	2	10½x12	28.00	AJC479
		12-14' runabouts, light loads	AJC480	48-32180A1	2	10½x13	28.00	AJC481
		Light runabouts, light loads	AJC482	48-32178A1	2	10½x15	28.00	
		Racing runabouts	AJC484	48-32176A1	2	10½x17	28.00	
500 RPM Range 5200-5600		14-16' runabouts, light loads 12-14' runabouts, light loads						
Mark 78, 78A, 75, 75A, 600	57-60	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC874		3	12½x13	38.00	
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	SMC876 AJC581	48-28269A1	3	12½x15	38.00	SMC885
700 Left Hand	60-61	14-16' runabouts, light loads						
		17-19' runabouts, all loads, skis, or two engines, large cruisers	SMC881		3	13 x13	42.50	
		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AJC556	48-30391A1	2	13½x15	42.50	
700-A	61-67	Light runabouts, light loads	SMC840 SMC888	48-30396A3	3	13 x11	42.50	SMC889
Merc 650		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers						
Right Hand		14-16' runabouts, all loads, skis, or two engines, 17-19' Off-Shore boats	AJC587	48-29660A2	2	13½x15	42.50	AJC588
Gearshift		Light runabouts, light loads	AJC626	48-29658A2	2	13½x17	42.50	AJC627
RPM Range 4800-5200		Racing runabouts	AJC628	48-29656A2	2	13½x19	42.50	
800 Left Hand	60-61	16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC881 AJC556	48-30391A1	3	13 x13	42.50	
		14-16' runabouts, light loads						
		Light runabouts, light loads						
800A-850-900-950	61-67	20-24' cruisers, one engine	SMC840 SMC888 SMC893	48-30394A1	3	13 x11	42.50	SMC889 SMC894
Right Hand		17-19' runabouts, all loads, skis, or two engines, large cruisers						
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers						
		16-17' runabouts, light loads	AJC626	48-30390A1	2	13½x17	42.50	AJC627
		14-16' runabouts, light loads	AJC628	48-30388A1	2	13½x19	42.50	AJC629
		12-14' runabouts, light loads	AJC630	48-30386A1	2	13½x21	42.50	
RPM Range 4800-5200		Light runabouts, light loads	AJC632	48-30384A1	2	13½x23	42.50	
		Racing runabouts						
		Racing runabouts						
1000-1100	62-67	20-24' cruisers, one engine	SMC888 SMC893	48-30394A3	3	13 x13	42.50	SMC889 SMC894
		17-19' runabouts, all loads, skis, or two engines, large cruisers						
		16-17' runabouts, all loads, skis, or two engines, 20-24' cruisers	SMC230	48-31458A3	3	13 x17	42.50	SMC231
		16-17' runabouts, light loads	AJC626		2	13½x17	42.50	AJC627
		14-16' runabouts, all loads, skis, or two engines, 17-19' boats	SMC232 AJC628	48-32748A3	3	13 x19	42.50	SMC233 AJC629
		14-16' runabouts, light loads						
		12-14' runabouts, light loads	SMC234 AJC630	48-32744A3	3	13 x21	42.50	SMC235
		12-14' runabouts, light loads						
		Light runabouts, light loads	AJC632	48-31452A3	2	13½x21	42.50	
RPM Range 4800-5200		Light runabouts, light loads						
		Racing runabouts						
		Racing runabouts						

■Prop Rider—Exclusive Design—High Performance



# Michigan Propellers for Non-Current Motors

(NOT MANUFACTURED IN LAST 5 YEARS)

MOTOR & MODEL	YEAR	PART NO.	NO. BLADES	DIA. & PITCH	METAL	PRICE
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## CHAMPION

Single & Twin	39-42	P51	2	7½x 6½	Al	\$ 6.50
4.2 H.P.	46-53	P90	2	8 x 5½	Al	8.50
7.9 H.P.	48-50	P120	2	8 x10	Al	9.00

## CLINTON

2.5 H.P.		C15	2	7 x 4½	Al	\$ 7.50
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## ELGIN

5.5½-6 H.P.	47-55	G-40	2	7½x 7½	Al	\$ 8.00
5½ H.P.	56-59	GC54	2	7½x 7	Al	8.50
7½ H.P.	49-55	G-50	2	7½x 8½	Al	9.00
7½ H.P.	56-59	GC55	2	8 x 8	Al	9.00
25 H.P.	55-57	G-92	3	10¾x12	Al	18.00
35 H.P.	1958	See West Bend				

## EVINRUDE JOHNSON

7½ H.P.	50-53	AM340	3	7¾x 7	Br	\$14.50
7½ H.P.	54-58	AM417	3	8 x 7	Br	12.00
		AM416	3	8 x 8	Al	9.00

## FAGEOL

35-45 H.P. V.I.P.	56-60	SMC647	3	10 x11	Al	\$16.50
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## LAUSON

2½-3 H.P.	40-57	L30	2	7½x 5½	Al	\$ 8.00
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## MARTIN

75-60-66	46-51	Q10	2	8 x 8	Al	\$10.00
7.5 H.P.	52-54	Q50	2	8 x 8½	Al	11.50

## MERCURY

3½-5 H.P.	49-55	K70	2	6¾x 6½	Al	\$ 8.50
6 H.P.	40-47	K15	2	7¾x 7	Al	8.50

MOTOR & MODEL	YEAR	PART NO.	NO. BLADES	DIA. & PITCH	METAL	PRICE
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## MERCURY (Cont.)

6 H.P. Mark 6-60	55-60	K74	2	7¼x 7	Al	\$ 8.50
7½ H.P. Mark 7	47-55	K50	2	7¾x 8	Al	8.50
10 H.P. KE7	47-52	K40	3	7½x 9	Al	12.00
10 H.P. KF7 KG-7	49-52	AJ55	2	8¼x10	Br	18.00
Mark 20-25 KH7	52-58	AMC502	3	9 x 9	Br	27.00
		AMC503	3	9 x 9	Al	22.50
		AJC550	2	9 x11	Al	17.00
Mark 50-55 14 Spline	54-56	AMC580	3	10 x10	Al	24.00

## MUNCIE

1.2 and 1.5 H.P.	47-67	E40	2	6 x 5	Al	\$ 6.50
2 and 2.5 H.P.	33-41	M10	2	7¾x 5½	Al	8.50
3½-5 H.P.	41-51	M70	2	6½x 5	Al	8.50

## PERKINS- OLIVER

5½-6-6½ H.P.	56-64	V10	2	8 x 6½	Al	\$ 9.50
15-16-18 H.P.	55-64	V116	2	9 x10½	Al	13.00
35 H.P. Left Hand	57-59	SMC648	3	10 x11	Br	22.50
		SMC647	3	10 x11	Al	16.50
		SMC650	3	10 x12	Br	22.50
		SMC649	3	10 x12	Al	16.50
30-35-40 H.P. Right Hand	60-64	SMC678	3	10 x11	Al	16.50

## SCOTT- McCULLOCH

5 H.P. BailAMatic	54-59	SAC40	2	7½x 6	Al	\$ 8.50
7½ H.P.	46-53	SA7	3	7¾x 8	Al	8.00
7½ H.P. BailAMatic	54-59	SAC50	2	8 x 7	Al	8.50
10 H.P. BailAMatic	54-59	SAC60	2	8½x10	Al	10.50
16 H.P. Right Hand	50-55	SAC30	3	9½x 6½	Al	16.00
16 H.P. BailAMatic Left Hand	56-57	SMC35	3	8½x 8	Al	16.00

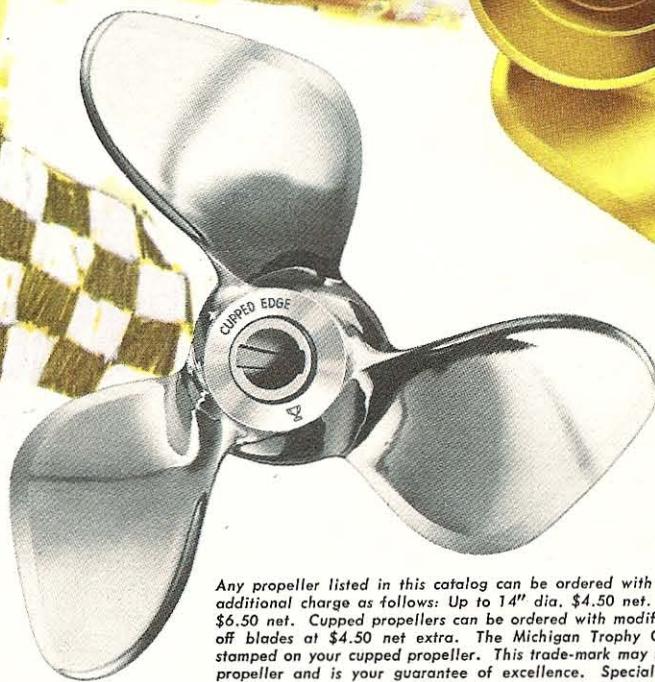
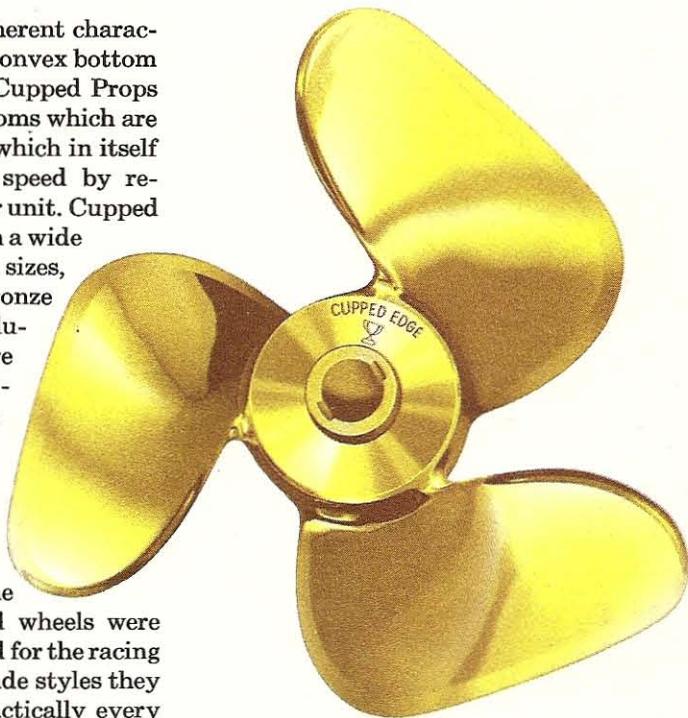
## WEST BEND

5.5½ & 6 H.P.	47-48	G40	2	7½x 7½	Al	\$ 8.00
7½-8 H.P.	49-55	G50	2	7½x 8½	Al	9.00
	62-63					
25-30 H.P.	55-57	G92	3	10¾x12	Al	18.00

# MICHIGAN Cupped PROPELLERS

These are the fastest wheels available for light, fast hulls . . . they increase speed on fast bottom boats, eliminate vibration and cavitation, and provide quicker acceleration and pick-up. Cupping consists of slight but critically accurate turning of trailing edge of the propeller blades, which compresses the jet stream and accelerates it for greater thrust. Cupping also reduces slippage or cavitation in installations where

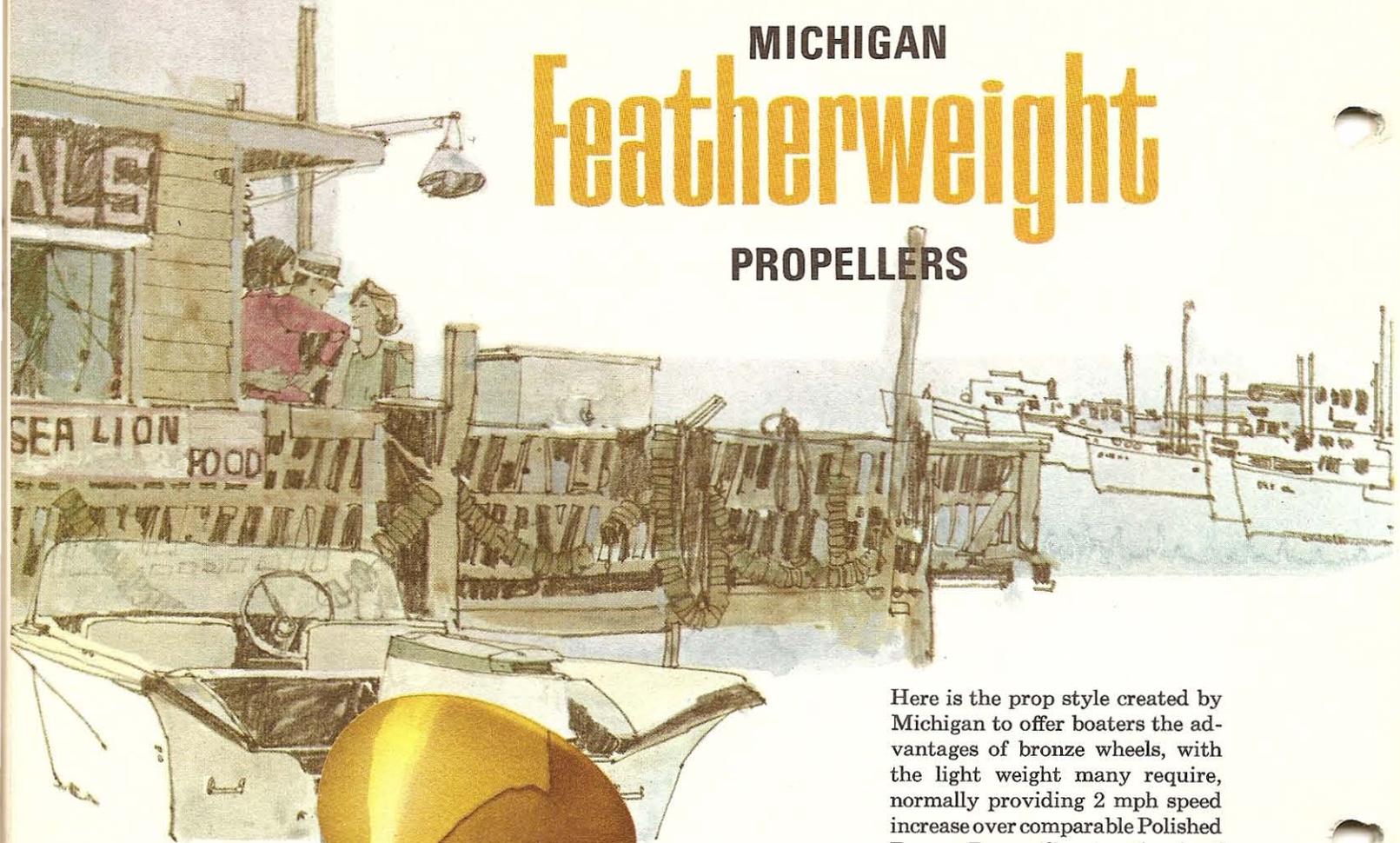
this might be an inherent characteristic, such as on convex bottom hulls. In addition, Cupped Props can be run on transoms which are 1" to 3" higher . . . which in itself makes for greater speed by reducing drag of lower unit. Cupped wheels are offered in a wide range of styles and sizes, both in Polished Bronze and Hi-Strength Aluminum, and all are dynamically balanced at no extra cost. Notice that we recommend use of one-inch lower pitch in cup styles, than for other wheels, for the same rpm. Cupped wheels were originally developed for the racing field, where in 2-blade styles they quickly "took" practically every record. Now applied to 3-blade speed wheels also, they offer comparative increased boat speeds.



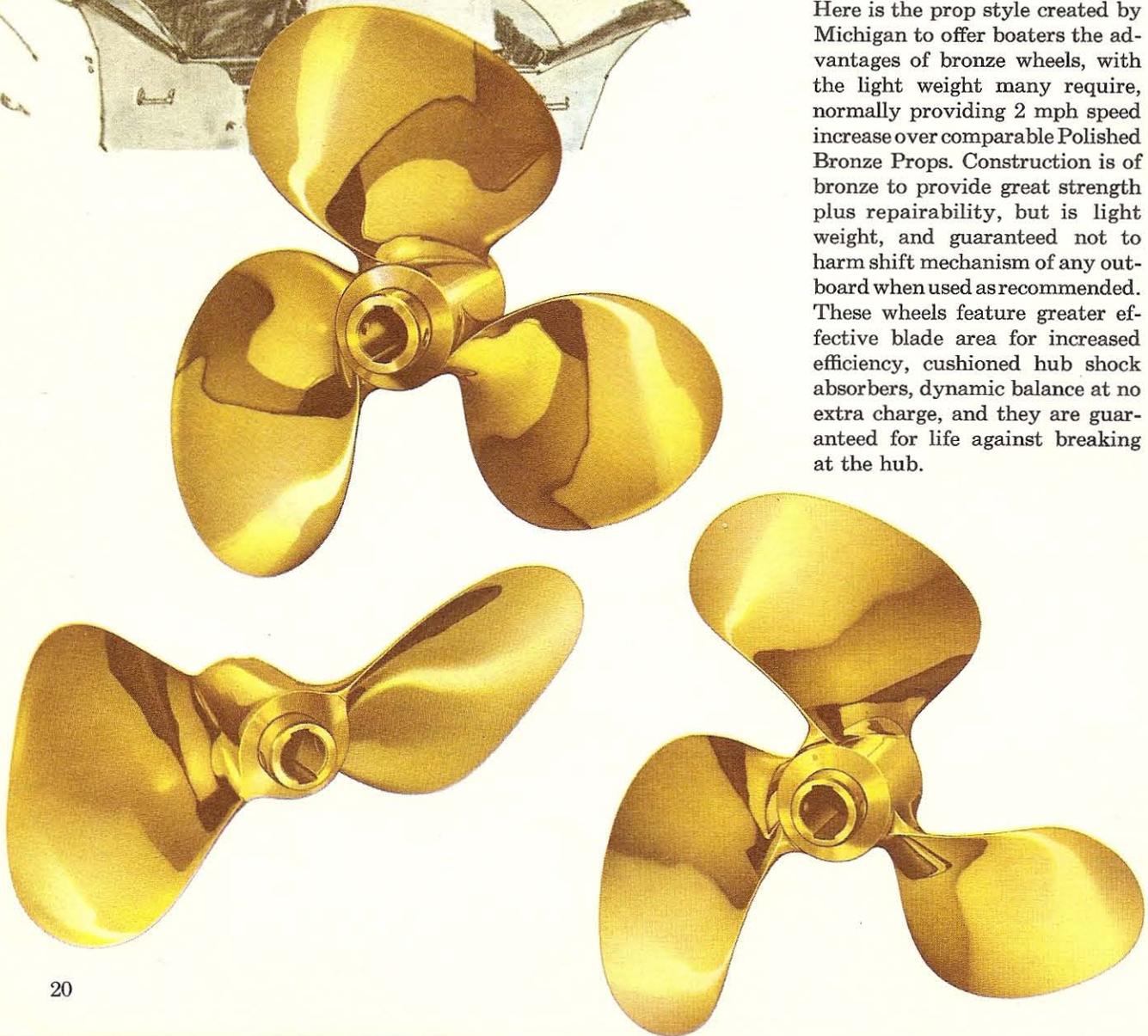
Any propeller listed in this catalog can be ordered with cupped blade edges at additional charge as follows: Up to 14" dia. \$4.50 net. 14 1/4" dia. and larger \$6.50 net. Cupped propellers can be ordered with modified racing style squared off blades at \$4.50 net extra. The Michigan Trophy Cup trade-mark will be stamped on your cupped propeller. This trade-mark may not appear on any other propeller and is your guarantee of excellence. Special diameter extra \$4.50. Special pitch, not listed, \$4.50 extra.

# MICHIGAN Featherweight

## PROPELLERS



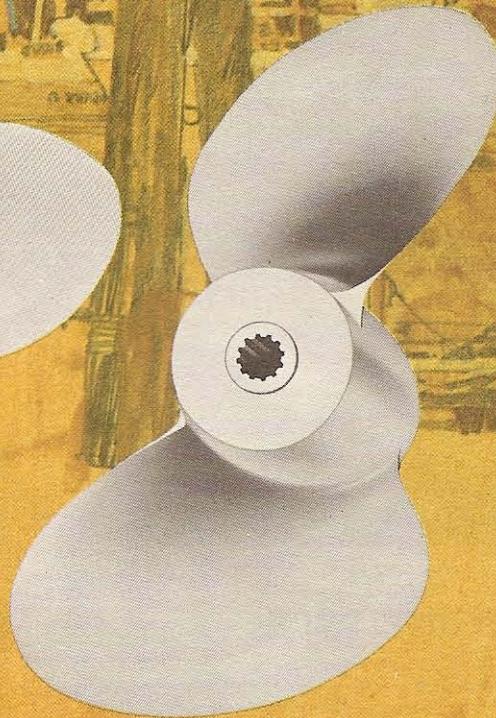
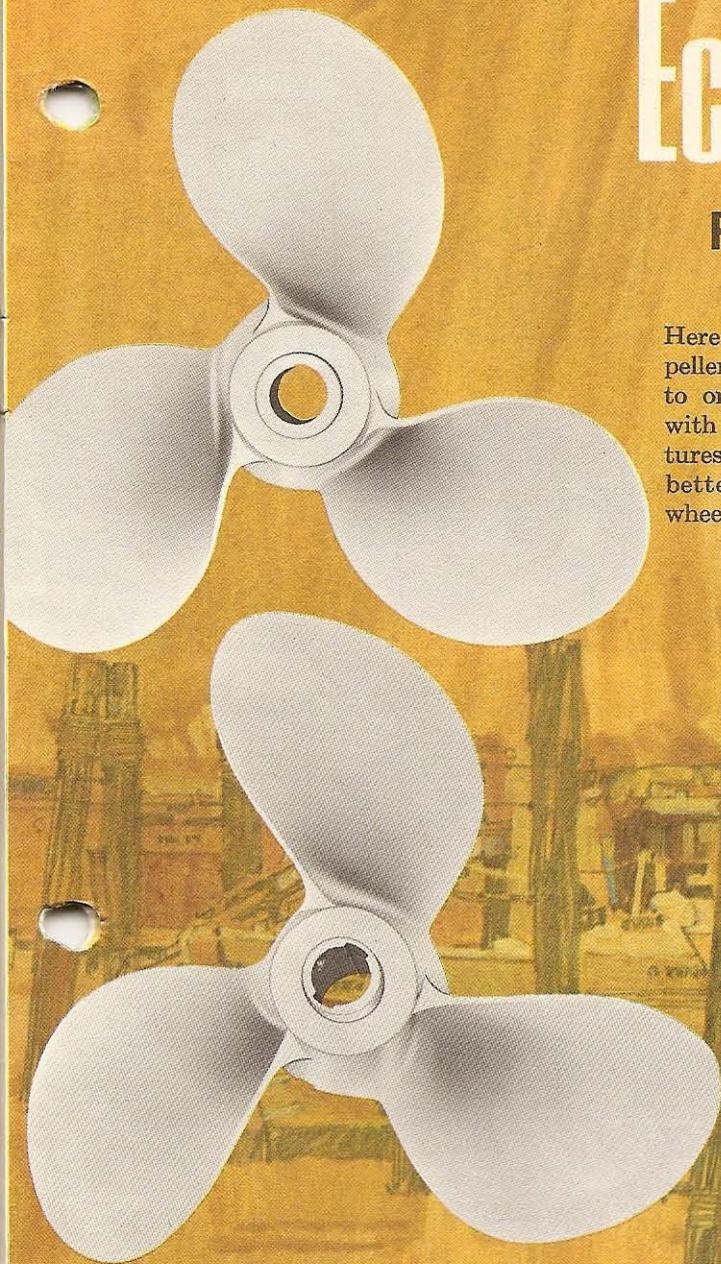
Here is the prop style created by Michigan to offer boaters the advantages of bronze wheels, with the light weight many require, normally providing 2 mph speed increase over comparable Polished Bronze Props. Construction is of bronze to provide great strength plus repairability, but is light weight, and guaranteed not to harm shift mechanism of any outboard when used as recommended. These wheels feature greater effective blade area for increased efficiency, cushioned hub shock absorbers, dynamic balance at no extra charge, and they are guaranteed for life against breaking at the hub.



# MICHIGAN Economy PROPELLERS

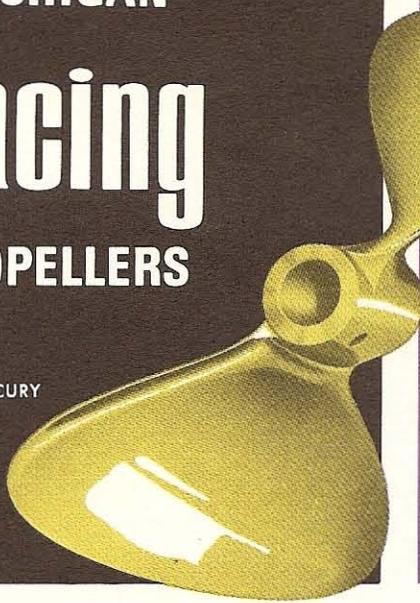
Here is a broad selection of propellers in a cost range comparable to original die-cast wheels, but with outstanding Michigan features such as greater strength and better repairability. Economy wheels are sand-cast aluminum,

which is not brittle, as proven 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. P.S.I. with  $\frac{1}{2}\%$  elongation, and which, as a result, sometimes throw blades, and are rarely repairable. Michigan Economy Props are made of an alloy with a tensile strength of 38,000 lbs. P.S.I., yield strength of 30,000 lbs. P.S.I., and elongation of 7%. These wheels are painted white with a very hard air-dry enamel which is superior to baked finishes.

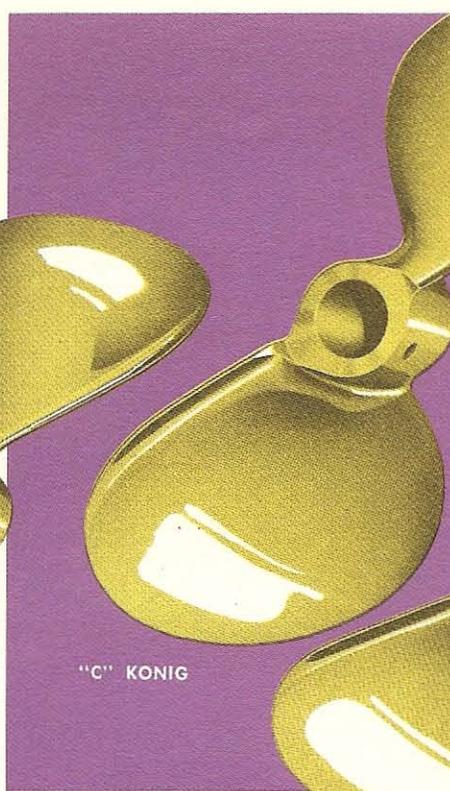


# MICHIGAN Racing PROPELLERS

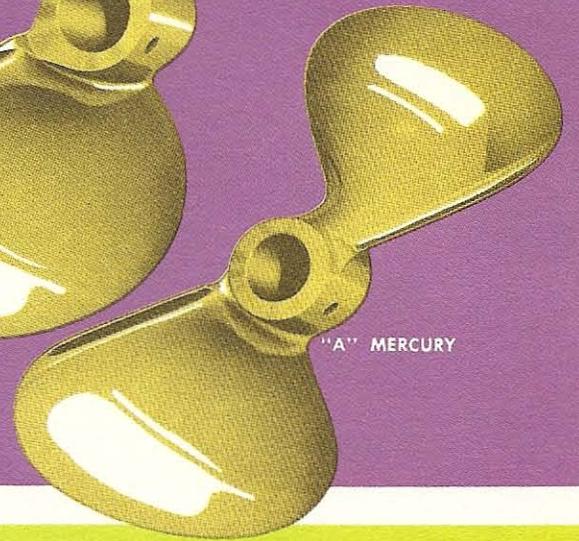
"C" MERCURY



"C" KONIG



"A" MERCURY



## STOCK, RACING ENGINES

Changing racing conditions such as course length, condition of water, altitudes, etc., may call for variations 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 below 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.

ENGINE	CLASS—GEAR RATIO	DIA. & PITCH	HI-TENSILE BRONZE PRICE	STAINLESS STEEL PRICE
Anzani.....	A Hydro—1:1.....	6½ x 9.....	\$26.00.....	
Anzani.....	A Hydro—16:21.....	7 x 13.....	29.00.....	\$39.00
Anzani.....	B Hydro—1:1.....	6½ x 10½.....	29.00.....	
Anzani.....	B Hydro—16:21.....	7 x 14.....	29.00.....	39.00
Champion.....	A Hydro—14:19.....	7 x 12.....	29.00.....	39.00
Champion.....	A Utility—14:19.....	7 x 11.....	29.00.....	39.00
Champion.....	B Hydro—14:19.....	7 x 13.....	29.00.....	39.00
Champion.....	B Utility—14:19.....	7 x 12.....	29.00.....	39.00
Chrysler.....	75 H.P.....	8½ x 14.....	35.50.....	
Chrysler.....	105 H.P.....	9½ x 16.....	35.50.....	
Konig.....	A Hydro—1:1.....	6 x 8.....	26.00.....	
Konig.....	B Hydro—1:1.....	6¼ x 10.....	29.00.....	
Konig.....	C Hydro—1:1.....	7¼ x 12.....	32.50.....	39.00
Konig.....	D Hydro—1:1.....	7¼ x 14.....	32.50.....	39.00
Mercury.....	A Hydro—1:1.....	6 x 7¼.....	26.00.....	
Mercury.....	A Utility—1:1.....	6 x 7.....	26.00.....	
Mercury.....	A Hydro—16:21.....	6½ x 10½.....	26.00.....	
Mercury.....	A Utility—16:21.....	6½ x 9½.....	26.00.....	
Mercury.....	B Hydro—1:1.....	6½ x 9.....	29.00.....	
Mercury.....	B Utility—1:1.....	6¼ x 8.....	29.00.....	
Mercury.....	B Hydro—16:21.....	7 x 14.....	29.00.....	39.00
Mercury.....	B Utility—16:21.....	7 x 13.....	29.00.....	39.00
Mercury.....	C Hydro—1:1.....	7 x 10.....	29.00.....	39.00
Mercury.....	C Utility—1:1.....	7 x 9.....	29.00.....	39.00
Mercury.....	D Hydro—1:1.....	7¼ x 11.....	32.50.....	39.00
Mercury.....	D Utility—1:1.....	7¼ x 10.....	32.50.....	39.00
Mercury.....	F Hydro—1:1.....	8½ x 13.....		58.00
Mercury.....	F Utility—1:1.....	9 x 12.....		58.00
Mercury.....	J Utility.....	6¾ x 6½.....	19.00.....	
J & E.....	"36" Cu. In.....	10 x 15½.....	35.50.....	
West Bend.....	"36" Cu. In.....	10½ x 16.....	35.50.....	

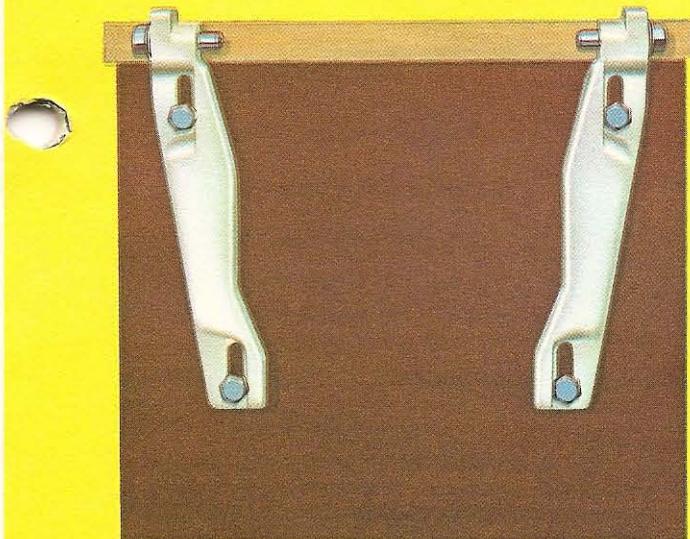
(Propellers for motors not listed—write for information)

## MERCURY OPC PROPS—Small Hub—Extra Strength Ni-Bral—Cupped



	Part No.	Size	Hand	Price
Merc 35-50 HP	AJ-600	10½ x 15	R	\$40.00
	AJ-605	10¼ x 13	R	40.00
Merc 65 to 110 HP	AJ-650	13 x 19	R	60.00
	AJ-655	13 x 21	R	60.00
	AJ-660	13 x 23	R	60.00
	AJ-700	13 x 25	R	60.00
	AJ-701	13 x 25	L	60.00
	AJ-702	13 x 27	R	60.00
	AJ-703	13 x 27	L	60.00
	AJ-704	13 x 29	R	60.00
	AJ-705	13 x 29	L	60.00

**HYDRO-KART PROPS**—bronze, two blade, cupped—both right and left rotation \$18.00  
(details or recommendation on request)



**No. 519  
ADJUSTABLE MOTOR BRACKET**

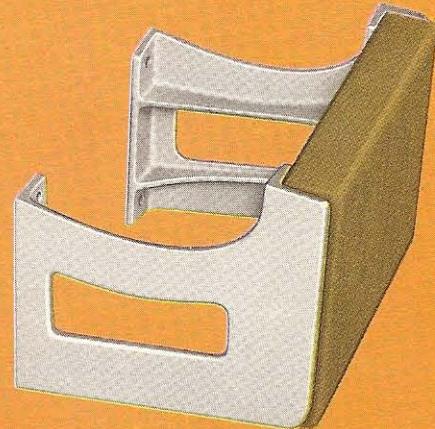
Fits Evinrude-Johnson motors 60-75-80-90-100 H.P. Raises motor to reduce lower unit drag. Allows motor to be set at correct height by use of shims. Mounts in original bolt holes for travel of over 2½" .....\$18.00

**No. 525 and No. 526  
MOTOR BRACKET**

Permanent mount for auxiliary or trolling motors. Hard maple, natural finish with sand cast aluminum brackets.

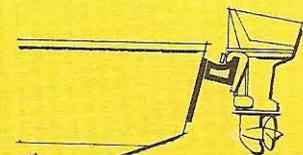
No. 525, 8½" Mounting board for motors maximum 10 H.P. ....\$14.00

No. 526, 11" Mounting board for motors 12 thru 18 H.P. ....\$16.00

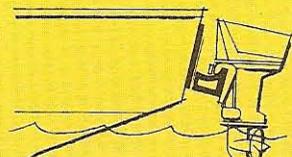


**No. 607 FLYWHEEL PULLER**

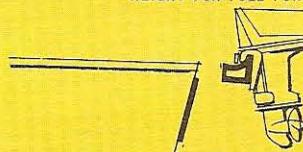
This simple device ends all fuss and bother in removing flywheels. Fits all motors .....\$9.00



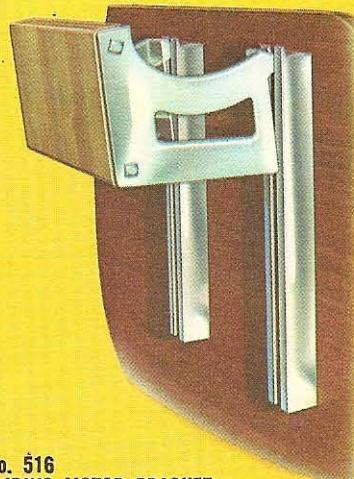
RAISED POSITION: MOTOR STORED WITHOUT CREATING "DRAG"



OPERATING POSITION: MOTOR QUICKLY LOWERED TO CORRECT HEIGHT FOR FULL POWER



REMOVAL: BRACKET CAN REMAIN ATTACHED TO MOTOR. ONLY RAILS ARE PERMANENTLY ATTACHED TO BOAT.



**No. 516  
SLIDING MOTOR BRACKET**

For trolling or auxiliary motors through 10 H.P. on hi-transom boats. Carried in top position, run in lower position. Standard rails 18" long, 11" wide bracket.

No. 516 — 18" long rails .....\$26.00

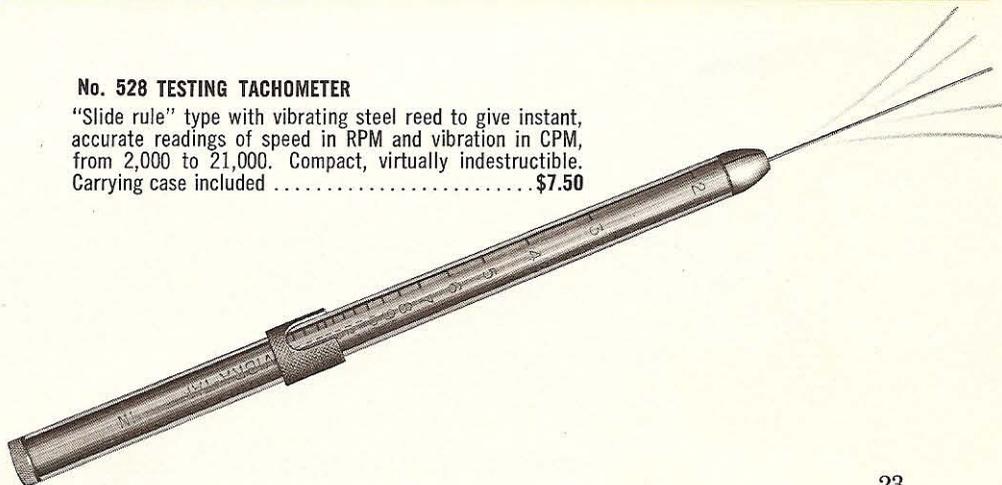
No. 516A — 24" long rails .....\$30.00

**MICHIGAN**

**Hi-quality  
accessories**

**No. 528 TESTING TACHOMETER**

"Slide rule" type with vibrating steel reed to give instant, accurate readings of speed in RPM and vibration in CPM, from 2,000 to 21,000. Compact, virtually indestructible. Carrying case included .....\$7.50



# MICHIGAN



**FACTORY REPAIR STATION:**  
**MICHIGAN WHEEL COMPANY,**  
 1501 BUCHANAN AVE. S.W.,  
 GRAND RAPIDS, MICH. 49502

Most damaged props can be perfectly reconditioned, eliminating the risk of costly engine damage through use of a bent or out-of-balance propeller. Repairs should be entrusted only to the factory or one of our authorized service stations. This is particularly important in cushion type props used on gear-shift engines. Propellers can be completely ruined through attempted repairs by insufficiently equipped and inexperienced shops.

## FACTORY OUTBOARD & STERN DRIVE PROPELLER REPAIR PRICES

6" — 11" dia. Bronze or Alum. .... \$ 7.70	Pitch change — in addition to repair... \$ 4.50
11¼" — 13" dia. Bronze or Alum. .... 9.25	<b>HUB REPLACEMENT —</b> in addition to wheel repair, NET:
13¼" — 15" dia. Bronze or Alum. .... 12.00	Thru 18 h.p. .... 2.00
15¼" dia. and larger ..... 17.00	19 h.p. thru 49 h.p. .... 3.00
<b>CUPPED PROPS</b> ..... add 25%	50 h.p. thru 95 h.p. .... 3.75
<b>PITCH change — new or</b> undamaged props, at repair price	100 h.p. and up ..... 7.00
<b>Dia. Reduction —</b> thru 13" dia. .... 5.00	<b>HUB REPLACEMENT ONLY</b> (prop not damaged) — NET:
<b>Dia. Reduction —</b> 13¼" dia. & larger ..... 9.00	Thru 95 h.p. .... 6.00
	100 h.p. and up ..... 9.00

## FACTORY INBOARD PROPELLER REPAIR PRICES

(2- or 3-blade Manganese Bronze)

Dia.	Price	Dia.	Price
10"	\$ 8.50	22"	\$22.00
11"	9.00	24"	26.00
12"	9.50	26"	29.00
13"	10.00	28"	33.00
14"	11.00	30"	37.00
15"	12.50	32"	44.00
16"	13.50	34"	50.00
17"	14.50	36"	55.00
18"	17.00	38"	63.00
19"	18.50	40"	72.00
20"	20.00		

Above 40" — on quotation  
 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

Welding charges extra on time and material basis. All repairs at owner's risk. Prices F.O.B. factory, Grand Rapids, Mich.

## AUTHORIZED FIELD REPAIR STATIONS



- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <b>Seth Smith Boat Works</b><br>2101 E. Washington St.<br>Phoenix, Arizona            | <b>Diesel Marine Engineers</b><br>2030 E. Adams St.<br>Jacksonville, Fla.                    | <b>Grafton Boat Works</b><br>Grafton, Ill.                                       | <b>New England Propeller Service</b><br>67 Long Wharf<br>Boston 10, Mass.  | <b>Propeller Sales &amp; Service</b><br>Box 185<br>Westerville, Ohio            | <b>Gray's Motor Service</b><br>404 N. Second St. West<br>Salt Lake City, Utah                                |
| <b>Louie Thomas Marine Center</b><br>343 So. Atlantic Blvd.<br>Los Angeles 22, Calif. | <b>Anchor Boat &amp; Supply Co.</b><br>410 S.W. Third Ave.<br>Miami 36, Fla.                 | <b>Outboard Sales &amp; Service</b><br>6334 Westfield<br>Indianapolis, Indiana   | <b>McClellan Bros.</b><br>108 Key Highway<br>Baltimore 30, Md.             | <b>Wait Mfg. Co.</b><br>415 N. Elwood<br>Tulsa, Okla.                           | <b>Norfolk Marine Company</b><br>5221 Virginia Beach Blvd.<br>Norfolk, Va.                                   |
| <b>Shasta Propeller &amp; Marine Ser.</b><br>3209 S. Market St.<br>Redding, Calif.    | <b>Southern Propeller</b><br>Bldg. 32, Navy Yard<br>Tampa, Fla.                              | <b>Lorenz &amp; Jones</b><br>132 E. Grand Ave.<br>Des Moines, Iowa               | <b>Johnny's Boat Prop. Service</b><br>17307 E. Warren<br>Detroit 24, Mich. | <b>Cochenaux Marine Supply Co.</b><br>2446 Germantown Ave.<br>Philadelphia, Pa. | <b>Apex Marine &amp; Equip., Inc.</b><br>4001 21st St. West<br>Seattle, Wash.                                |
| <b>Thompson Machine Works</b><br>235 First St.<br>San Francisco, Calif.               | <b>Griffin's Outboard Marine, Inc.</b><br>3700 Northeast Freeway<br>Doraville, Georgia 30040 | <b>Midwest Propeller</b><br>Olathe, Kansas                                       | <b>Tribilt Mfg. Co., Inc.</b><br>3601 E. 27th St.<br>Minneapolis 6, Minn.  | <b>Keller Marine Service, Inc.</b><br>Port Trevorton, Pa.                       | <b>H.D.F. Propeller Co.</b><br>1201 N.E. Boat St.<br>Seattle, Wash.  |
| <b>Essex Machine Works, Inc.</b><br>Essex, Conn.                                      | <b>Dixie Propeller Co.</b><br>512 Indian St.<br>Savannah, Ga.                                | <b>Houma Machine &amp; Marine Sup.</b><br>1219 E. Main<br>Houma, La.             | <b>Tri-State Marine, Inc.</b><br>Rt. 4<br>Fort Lee, N. J.                  | <b>Memphis Sport Center</b><br>2060 Madison<br>Memphis, Tenn.                   | <b>Western Wright Marine</b><br>1525 Commerce<br>Tacoma, Wash.   |
| <b>Southern Propeller Co.</b><br>417 27th St. E.<br>Bradenton, Fla.                   | <b>Air Marine</b><br>6945 Stoney Island<br>Chicago, Ill.                                     | <b>Hardies Wagner Marine Supply Co.</b><br>2830 Canal St.<br>New Orleans 19, La. | <b>Rich Marine Sales</b><br>Foot of Amherst<br>Buffalo, N. Y.              | <b>Outboard Supply Co.</b><br>1019 So. 6th St.<br>Nashville 6, Tenn.            | <b>Moe's Marine Service</b><br>19 Bellaire Lane<br>Oshkosh, Wis.   |
| <b>Frank &amp; Jimmie's Prop. Shop</b><br>411 S.W. First Ave.<br>Ft. Lauderdale, Fla. | <b>Ray's Propeller Service</b><br>904 Irving Park<br>Chicago 13, Ill.                        | <b>O. P. Peterson Co.</b><br>60 Union St.<br>Portland, Maine                     | <b>Barbour Marine Supply</b><br>Beaufort, North Carolina                   | <b>Marine Propeller Works</b><br>P.O. Box 433<br>Aransas Pass, Texas            | <b>FOREIGN</b><br><b>Brydon Brass Mfg., Co., Ltd.</b><br>Rexdale Blvd. & Brydon Dr.<br>Rexdale, Ont., Canada |
|   |  |  | <b>Sante Marine</b><br>5308 Detroit Ave.<br>Cleveland, Ohio                | <b>James Propeller Service</b><br>10884 Harry Hines Blvd.<br>Dallas 20, Texas   | <b>Union Industrial Y Astilleros</b><br>Barranquilla, Colombia   |
|   |  |  | <b>Gull Harbor</b><br>Box 3<br>Huron, Ohio                                 | <b>L. L. Walker Co.</b><br>609 So. 80th St.<br>Houston 12, Texas                | <b>Ernest O. Hesse</b><br>Grafenberger Allee 325<br>Dusseldorf, Germany                                      |

PRICES MAY VARY FOR INDIVIDUAL FIELD REPAIR STATIONS

# MICHIGAN

MICHIGAN WHEEL COMPANY

GRAND RAPIDS, MICHIGAN 49502

LITHO  
IN  
U.S.A.