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250 HP OptiMax 3.0 Liter Outboard (New Model)

Models Affected

Models Covered	Serial Number
250 HP OptiMax (Standard Production Model)	1B528406 and above

Situation

A 250 HP standard production OptiMax 3.0 Liter outboard has been added to the product offering. It is similar to the current standard production 200/225 HP OptiMax, but with increased power output for 250 HP rating. It will be offered in 63.5 cm (25 in.) and 76.2 cm (30 in.) shaft length with both standard and counter rotation gearcases.

NOTE: No Digital Throttle and Shift version is available.

Engine Specifications

Wide open throttle RPM range	5500 - 6000
Rev limit RPM	6100
Fuel rail air pressure	95 psi \pm 2 psi
Fuel rail fuel pressure	110 psi \pm 2 psi
Spark plug	NGK IZFR6J or NGK PZFR6H

All other specifications are the same as the current standard production 200/225 OptiMax outboard. For repair procedures use the current 200/225 OptiMax service manual 90-859769R03. This manual will be revised to include the 250 HP information.

Product Changes

- Carbon fiber reeds
- Different piston profile and cylinder block porting for increased HP
- Port fuel rail is no longer water-cooled
- Gray direct injector with narrow spray patterns
- Air intake to compressor is through flywheel cover
- No air compressor air filter
- New PCM calibration

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Accessories

All accessories listed for the current standard 200/225 OptiMax engine are compatible with this new model.

Propeller Information Chart

This new model uses the same propeller styles and types as the standard 200/225 OptiMax. Propeller information chart shown below applies to the new 250 HP standard production OptiMax with the wide open throttle (WOT) range of 5500 - 6000 RPM.

Diameter	Pitch	No. of Blades	Model	Approx. Gross Boat Wgt. (lbs)	Approx. Boat Length	Speed Range (mph)	RH Prop Part Number	LH Prop Part Number
14.62"	25	3	Tempest Plus	Up to 2800	Up to 23'	67-75	48-825866A47	
14.50"	25	3	Mirage Plus	Up to 2800	Up to 23'	67-75	48-13706A46	48-13707A46
14.62"	25	4	Revolution 4	Up to 2800	Up to 23'	67-75	48-857032A46	48-857033A46
13.25"	25	5	Hi-Five	Up to 2800	Up to 23'	67-75	48-816374A46	
14.62"	24	3	Tempest Plus	2700-3000	20-23'	65-72	48-825872A47	
15.25"	24	4	Bravo I	2700-3000	20-23'	65-72	48-831912A45	48-831911A45
14.62"	23	3	Tempest Plus	2900-3200	21-24'	62-68	48-825864A47	48-825865A47
14.63"	23	3	Mirage Plus	2900-3200	21-24'	62-68	48-13704A46	48-13705A46
14.62"	23	4	Revolution 4	2900-3200	21-24'	62-68	48-857030A46	48-857031A46
13.25"	23	5	Hi-Five	2900-3200	21-24'	62-68	48-815762A46	
14.00"	23	4	VenSura	2900-3200	21-24'	62-68	48-825906A48	48-825907A48
13.5"	23	3	Vengeance	2900-3200	21-24'	62-68	48-16320A46	48-16321A46
13.45"	22	3	Enertia	3000-3400	21-24'	59-65	48-899202A46	
15.25"	22	4	Bravo I	3000-3400	21-24'	59-65	48-831910A45	48-831909A45
14.62"	21	3	Tempest Plus	3200-3600	22-25'	56-62	48-825862A47	48-825863A47
13.63"	21	3	Enertia	3200-3600	22-25'	56-62	48-899002A46	48-899003A46
14.75"	21	3	Mirage Plus	3200-3600	22-25'	56-62	48-13702A46	48-13703A46
14.62"	21	4	Revolution 4	3200-3600	22-25'	56-62	48-857028A46	48-857029A46
13.25"	21	5	Hi-Five	3200-3600	22-25'	56-62	48-815760A46	
14.00"	21	4	VenSura	3200-3600	22-25'	56-62	48-825902A48	48-825903A48
13.75"	21	3	Vengeance	3200-3600	22-25'	56-62	48-16318A46	48-16319A46
13.80"	20	3	Enertia	3400-3800	22-25'	53-59	48-899000A46	
14.62"	19	3	Tempest Plus	3600-4100	22-26'	50-56	48-825860A47	48-825861A47
14.00"	19	3	Enertia	3600-4100	22-26'	50-56	48-898998A46	48-898999A46
15.25"	19	3	Mirage Plus	3600-4100	22-26'	50-56	48-13700A46	48-13701A46
14.62"	19	4	Revolution 4	3600-4100	22-26'	50-56	48-857026A46	48-857027A46
13.25"	19	5	Hi-Five	3600-4100	22-26'	50-56	48-815758A46	
14.00"	19	4	VenSura	3600-4100	22-26'	50-56	48-825900A48	48-825901A48

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Diameter	Pitch	No. of Blades	Model	Approx. Gross Boat Wgt. (lbs)	Approx. Boat Length	Speed Range (mph)	RH Prop Part Number	LH Prop Part Number
14"	19	3	Vengeance	3600-4100	22-26'	50-56	48-16316A46	48-16317A46
14.22"	18	3	Enertia	3800-4400	23-26'	47-53	48-898996A46	
15.38"	18	3	Mirage Plus	3800-4400	23-26'	47-53	48-889620A46	48-889619A46
14.45"	17	3	Enertia	4100-4800	23-27'	43-50	48-898994A46	48-898995A46
15.5"	17	3	Mirage Plus	4100-4800	23-27'	43-50	48-18278A46	48-90159A46
14.62"	17	4	Revolution 4	4100-4800	23-27'	43-50	48-857024A46	48-857025A46
13.5"	17	5	Hi-Five	4100-4800	23-27'	43-50	48-821154A46	
14.5"	17	3	Vengeance	4100-4800	23-27'	43-50	48-16314A46	48-16315A46
14.5"	17	4	VenSura	4100-4800	23-27'	43-50	48-825898A48	48-825899A48
15.00"	15	3	Enertia	4800-5900	25-29'	36-43	48-898990A46	48-898991A46
15.75"	15	3	Mirage Plus	4800-5900	25-29'	36-43	48-19838A46	48-19841A46
14.62"	15	4	Revolution 4	4800-5900	25-29'	36-43	48-857022A46	
15.30"	14	3	Enertia	5200-6700	26-30	32-40	48-898988A46	
16"	13	3	Mirage Plus	6000+	28' +	28-36	48-826072A46	

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