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115 Pro XS/125 HP OptiMax 1.5 Liter (New Models)

Models Affected

Models Covered	Serial Number Or Year
115 Pro XS OptiMax 1.5 Liter	1B751825
125 HP OptiMax 1.5 Liter	1B751825

Situation

New models 115 Pro XS and 125 HP OptiMax 1.5 Liter outboards have been added to the product offering. These new models are based off of the current 115 HP, 1.5 Liter OptiMax. The new models use carbon fiber reeds and the attenuator has been changed to increase air flow for increased horsepower and performance. Due to the changes in the reeds and attenuator, both engines will have new PCM calibrations.

Engine Description	Model No.	Shaft Length
115 Pro XS	1115P73HY	Long 50.8 cm (20 in.)
125 HP L	1125D72HY	Long 50.8 cm (20 in.)
125 HP XL	1125D73HY	Extra long 63.5 cm (25 in.)

NOTE: The 115 Pro XS is only available in the Long 50.8 cm (20 in.) version.

Specifications

All specifications currently listed in the service manual for the stock 115 HP, 1.5 Liter OptiMax apply to these new models.

Service Manual

Use the current 75/90/115 HP, 1.5 Liter OptiMax service manual 90-889785R01 for all service and repair procedures.

Accessories

All accessories currently listed for use on the stock 75/90/115 OptiMax can be used on the new 115 Pro XS and 125 HP OptiMax.

Computer Diagnostic System (CDS)

When performing diagnostics using the CDS, choose the stock 115 HP, 1.5 Liter OptiMax as the engine selection.

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Propeller Information Chart 115 Pro XS

This new model uses the same propeller styles and types as the standard 115 HP, 1.5 Liter OptiMax.

- Wide-open throttle RPM: 5000–5750
- Recommended transom height: 50.8 cm (20 inches)
- Right-hand rotation
- Gear reduction: 2.07:1

Diameter	Pitch	No. of Blades	Material	Approx. Gross Boat Weight (lb)	Approx. Boat Length	Speed Range (MPH)	Propeller P/N and Style
13.5"	26	3	Steel	Up to 1900	Up to 17'	51–65	48-16996A45 Laser II
13.5"	24	3	Steel	Up to 2200	Up to 18'	45–58	48-16994A45 Laser II
13.5"	22	3	Steel	2000–2700	16–18'	40–52	48-16992A45 Laser II
13.75"	21	4	Steel	2200–3000	16–19'	38–49	48-825934A47 Trophy
13.5"	21	3	Steel	2200–3000	16–19'	38–49	48-899006A46 Laser II
13.25"	20	3	Steel	2400–3300	17–19'	36–46	48-16990A45 Laser II
13.75"	19	4	Steel	2600–3600	17–19'	33–43	48-825932A46 Trophy
13.25"	19	3	Steel	2600–3600	17–19'	33–43	48-899004A46 Laser II
13"	18	3	Steel	2800–4000	18–20'	31–40	48-16988A45 Vengeance
13.75"	17	4	Steel	3100–4400	18–21'	29–37	48-825930A46 Trophy
13.13"	16	3	Steel	3400–4900	19–22'	26–34	48-16986A45 Vengeance

Propeller Information Chart 125 HP OptiMax

This new model uses the same propeller styles and types as the standard 115 HP, 1.5 Liter OptiMax.

- Wide-open throttle RPM: 5000–5750
- Recommended transom height: 50.8 cm (20 inches) and 63.5 cm (25 inches)
- Right-hand rotation
- Gear reduction: 2.07:1

Diameter	Pitch	No. of Blades	Material	Approx. Gross Boat Weight (lb)	Approx. Boat Length	Speed Range (MPH)	Propeller P/N and Style
13.5"	26	3	Steel	Up to 1900	Up to 17'	51–65	48-16996A45 Laser II

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Diameter	Pitch	No. of Blades	Material	Approx. Gross Boat Weight (lb)	Approx. Boat Length	Speed Range (MPH)	Propeller P/N and Style
13.5"	24	3	Steel	Up to 2200	Up to 18'	45-58	48-16994A45 Laser II
12.5"	23	3	Alum	1900-2500	16-18'	43-55	48-77350A45 Black Max
13.5"	22	3	Steel	2000-2700	16-18'	40-52	48-16992A45 Laser II
13.75"	21	4	Steel	2200-3000	16-19'	38-49	48-825934A47 Trophy
13.5"	21	3	Steel	2200-3000	16-19'	38-49	48-899006A46 Laser II
12.75"	21	3	Alum	2200-3000	16-19'	38-49	48-77348A45 Black Max
13.25"	20	3	Steel	2400-3300	17-19'	36-46	48-16990A45 Laser II
13.75"	19	4	Steel	2600-3600	17-19'	33-43	48-825932A46 Trophy
13.25"	19	3	Steel	2600-3600	17-19'	33-43	48-899004A46 Laser II
13"	19	3	Alum	2600-3600	17-19'	33-43	48-77346A45 Black Max
13"	18	3	Steel	2800-4000	18-20'	31-40	48-16988A45 Vengeance
13.75"	17	4	Steel	3100-4400	18-21'	29-37	48-825930A46 Trophy
13.25"	17	3	Alum	3100-4400	18-21'	29-37	48-77344A45 Black Max
13.13"	16	3	Steel	3400-4900	19-22'	26-34	48-16986A45 Vengeance
13.25"	16	3	Alum	3400-4900	19-22'	26-34	48-854360A45 Black Max
13.25"	15	3	Steel	3800-5500	19-23'	24-31	48-854354A46 Vengeance
13.75"	15	3	Alum	3800-5500	19-23'	24-31	48-77342A45 Black Max
13.38"	14	3	Steel	4300-6200	21-25'	22-29	48-17314A45 Vengeance
13.88"	14	3	Alum	4300-6200	21-25'	22-29	48-854352A45 Black Max
14"	13	3	Alum	4700-7000	22-26'	20-27	48-77340A45 Black Max
14"	12	3	Steel	5800 +	Pontoon boat	17-23	48-17312A45 Black Max
14"	11	3	Alum	6800 +	Pontoon/work	15-20	48-77338A45 Black Max
14"	10	3	Steel	9000 +	Work/house	1-18	48-17310A45 Black Max

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