



MERCURY
RACING

700 SCi STERNDRIVE

700 SCi Overview

The popular 700 SCi delivers unsurpassed power and performance. The combination of a powerful engine management computer with a 3.3 Liter Lysholm screw type supercharger, roller camshaft, and sequential fuel injection results in impeccable idle quality, instant throttle response and unmatched performance throughout the 4800-5200 rpm rated engine operating range.

The 700 SCi's PCM idle speed control strategy, along with an exclusive dual shift switch and coupler design, result in ultra-smooth shifting for the dry-sump NXT6 SSM drive. The optional Stage 1 X-haust Noise Reduction system brings the 700 SCi in compliance with most noise regulations outside of the European Union. A feature we're not afraid to be loud about.

KEY FEATURES

- Engine based on a CNC-machined 502-cubic inch cylinder block.
- A custom camshaft design — combined with a taller intercooler, increased supercharger boost, and custom fuel calibration — results in a consistent 700 crankshaft horsepower.
- Higher fuel pressure demands are met with an electric fuel pump. The engine is also equipped with fuel cooling and a mechanical pump to combat vapor lock.
- A powerful (90 watt) alternator ensures you'll always have plenty of charging power on board.
- The NXT6 SSM drive offers the best combination of performance and driveability by using the legendary dry-sump Six drive with the engine mounted in the same location as a Bravo drive set-up thanks to Mercury Racing's exclusive NXT1 transmission design.
- A total of 12 color options to match virtually any boat graphics*.



*Engine, Transom and Drive

700 SCi SPECIFICATIONS

Crankshaft Rated Horsepower	700
▪ Kilowatts (kW)	522
Max RPM at Full Throttle	4800-5200
Cylinders	V-8
Displacement	
▪ Cubic Inches (CID)	502
▪ Liters (L)	8.2
Bore & Stroke	
▪ Inches (in.)	4.47 x 4.00
▪ Millimeters (mm)	113 x 102
Compression Ratio	7.5:1
Induction System	Supercharger with Charge Air Cooling and Electronic Boost Control
Fuel System	Computer Controlled Sequential Multi-Port Electronic Fuel Injection (EFI)
Fuel Requirements	89 Posted Octane (R+M)/2, (95 RON) Global
Transmission	Mercury Racing NXT1 Dry-Sump
Drive Unit	Dry-Sump NXT6 SSM
Ignition System	SmartCraft Digital Inductive
Charging System	Fully Regulated Belt Driven 90-Amp (1269 Watt)
Controller	PCM
Starting	Electric
Exhaust System	X-haust or Through Transom
Cooling System	Water Cooled with Thermostat & Pressure Controlled
Lubrication System	Integrated Wet Sump
Oil Requirement	Mercury Racing NMMA Certified FCW SAE 25-W50 Synthetic Blend
Oil Capacity	
▪ Quarts (qts.)	8.5
▪ Liters (l)	7.6
Engine Management System	SmartCraft
Engine Control System	Mechanical
Engine Protection System	SmartCraft Engine Guardian
Gear Shift	F-N-R
Gear Ratio	Application Dependent: Contact Mercury Racing
Length (Transom Mount to Front of Engine)	
▪ Inches (in.)	35.7
▪ Millimeters (mm)	907
Width	
▪ Inches (in.)	33
▪ Millimeters (mm)	838
Height (From Crankshaft Centerline)	
▪ Inches (in.)	27.9
▪ Millimeters (mm)	709
Weight	
▪ Pounds (lbs.)	1548
▪ Kilograms (kg)	702
Warranty	1-Year Limited for Recreational Boating