

MERCURY
RACING

450R

PRODUCT SPECIFICATIONS

EFFECTIVE JUNE 18, 2019



SPECIFICATION	450R 5.44 HD	450R SPORT MASTER
RATED HORSEPOWER	450	450
KW	336	336
IDLE RPM	600	600
MAX RPM AT FULL THROTTLE	5800-6400	5800-6400
CYLINDERS/ENGINE CONFIGURATION	V8 [64 degree] with 32-valve Dual Overhead Cam [DOHC]	V8 [64 degree] with 32-valve Dual Overhead Cam [DOHC]
DISPLACEMENT (CUBIC INCH, CID)	279 CID	279 CID
DISPLACEMENT (LITERS, L)	4.6L	4.6L
BORE & STROKE (IN.)	3.6 in x 3.4 in	3.6 in x 3.4 in
BORE & STROKE (MM)	92 mm x 86 mm	92 mm x 86 mm
INDUCTION SYSTEM	Supercharged with Charge Air Cooling and Electronic Boost Control	Supercharged with Charge Air Cooling and Electronic Boost Control
MIDSECTION DESIGN	Advanced Midsection with heavy-duty guide plates and stiffened engine mounts for enhanced high-speed handling	Advanced Midsection with heavy-duty guide plates and stiffened engine mounts for enhanced high-speed handling
FUEL SYSTEM	Electronic Fuel Injection (EFI) Computer Controlled	Electronic Fuel Injection (EFI) Computer Controlled
FUEL REQUIREMENTS	Unleaded Regular 89 Octane Minimum (R+M/2) or 95 RON 10% Ethanol Maximum	Unleaded Regular 89 Octane Minimum (R+M/2) or 95 RON 10% Ethanol Maximum
IGNITION SYSTEM	SmartCraft PCM 112 Digital Inductive	SmartCraft PCM 112 Digital Inductive
CHARGING SYSTEM	115-amp (1449 Watt)	115-amp (1449 Watt)
STARTING	SmartStart Electric	SmartStart Electric
EXHAUST SYSTEM	Selectable	Selectable
COOLING SYSTEM	Water-cooled with thermostat control	Water-cooled with thermostat control
LUBRICATION SYSTEM	Integrated wet sump with oil cooler	Integrated wet sump with oil cooler
OIL REQUIREMENT	NMMA Certified FCW SAE 25W-50	NMMA Certified FCW SAE 25W-50
OIL CAPACITY (QTS)	7.0 Quarts	7.0 Quarts
OIL CAPACITY (L)	6.6 Liters	6.6 Liters
ENGINE MANAGEMENT SYSTEM	SmartCraft PCM 112	SmartCraft PCM 112
THROTTLE AND SHIFT CONTROLS	Digital Throttle & Shift	Digital Throttle & Shift
ENGINE PROTECTION SYSTEM	SmartCraft Engine Guardian	SmartCraft Engine Guardian
TRIM/TILT SYSTEM	Power trim and tilt	Power trim and tilt
MAXIMUM TILT RANGE	73° [-6° to 67°]	73° [-6° to 67°]
MAXIMUM TRIM RANGE	20° [-6° to 14°]	20° [-6° to 14°]
TROLL CONTROL	600-1200 RPM	600-1200 RPM
GEARCASE	5.44" H.D.	Sport Master
GEAR RATIO	1.60:1	1.60:1
CAMBERED SKEG?	Available on JPO Models	Available
GEAR SHIFT	F-N-R	F-N-R
DRY WEIGHT (LBS./KG) ^{1,2}		
L - 20"	689/313	700/318
XL - 25"	702/318	714/324
XXL - 30"	715/324	725/329
STEERING ANGLE	+/- 30 degrees	+/- 30 degrees
STEERING	Electro-Hydraulic Power Steering with Integral Steering Cylinder	Electro-Hydraulic Power Steering with Integral Steering Cylinder
MOUNTING CENTERS	26"	26"
CARB STAR RATING ³	3-Star	3-Star
COLORS	Phantom Black or Cold Fusion White	Phantom Black or Cold Fusion White
WARRANTY	3-Year Limited	3-Year Limited

¹Dry weight refers to base engine without liquids, battery cables, bolt-on steering components, mounting hardware, or propeller/hub kits.

²Add 13 pounds (5.90 kilograms) for rear tie-bar models.

³Worldwide emissions calibration certification.