

# SPECIFICATIONS

Models	VX-14 - Standard length (15" transom) VXL-14 - 5" longer (20" transom) VXH-14 - Standard length, heavy duty VXHL-14 - 5" longer, heavy duty	Speed control	Remote control
*Horsepower (O.B.C.-certified)	65 hp at 5000 rpm	Gear shift control	Forward, neutral, and reverse
Full throttle operating range	4000 to 5000 rpm (5500 under limited conditions)	Weight (without fuel tank)	Model VX-14 - 225 pounds Model VXL-14 - 233 pounds Model VXH-14 - 230-1/2 pounds (without propeller) Model VXHL-14 - 236 pounds (without propeller) (Fuel tank weight 11 pounds net)
Test tank R.P.M.	With test wheel - 4250 rpm min.	Fuel capacity	6 gallons, suction type tank
Engine type	90° V-type 4 cylinder, 2 cycle	Carburetion	Twin barrel, downdraft, float feed type, with fixed high speed orifice and low-speed adjustments, electric choke
Bore and stroke	3" bore x 2-1/2" stroke	Float level setting	1/4" from rim of casting
Piston displacement	70.7 cubic inches	Carburetor orifice plug	.072 orifice
Piston ring sets (3 per set)		Inlet needle seat	.081" to .084". Use a #45 drill as gage
standard	Part Number 381496	Starter	Electric and emergency rope
.020" oversize	Part Number 593429	Starter amp draw when cranking	Maximum 140 amp
.040" oversize	Part Number 593430	Ignition	CD Electronic Ignition System with Breaker Points
Diameter of ring	3.000 in. (standard)	Spark plug	Champion L19V
Width of ring	.0935 - .0925 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Lbs. compression recommended when compressed	9 to 13 lbs.	Breaker point gap	.010 inch
Piston less rings standard	Part Number 380568		
.020" oversize	Part Number 593400	Part No. 580688 Coil Test Specifications -	
.040" oversize	Part Number 593401	New Stevens Tester Model No. M.A. - 75	
Crankshaft size top journal	1.2658 - 1.2653 in.		
center journal	1.3752 - 1.3748 in.	Merc-O-Tronic	
bottom journal	1.1815 - 1.1810 in.	with Capacitor Discharge Adaptor Model 55-980	
Connecting rod crank pin	1.1819 - 1.1812 in.		
Cooling system	Thermostatically controlled recirculating system		
Propeller gear ratio	20:23 Standard 17:29 Heavy duty		
Propeller drive pin, standard	Part Number 309954 9/32" x 1-29/64" stainless steel	Operating Amperage	Primary Resistance
Propeller drive pin, heavy duty	Part number 305500 5/16" x 1-7/8"	Min. - Max.	Min. - Max.
Standard propeller	10" diameter x 9-1/4" pitch, 3 blade	.8 - 1.2	Secondary Continuity
Propeller options, standard gearcase	9-1/2" diameter x 10" pitch 10-1/4" diameter x 10" pitch 10" diameter x 11" pitch 10" diameter x 12" pitch		Min. - Max.
Propeller, heavy duty gearcase	Not included in purchase price of motor. Must be obtained from dealer to match motor to boat and load.		22.5 - 25
		Graham Tester Model 51	
		Suggested test specifications for Coil #580688	
		Secondary Continuity	3,000 ohms maximum
		Primary Continuity	1.2 ohms maximum
		Coil Index	60
		Coil Test (Normal)	9 minimum
		Coil Test (Amplified)	80 minimum
		Gap Index	50 maximum

\*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.