

REFERENCE INFORMATION
SERVICE SPECIFICATIONS

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| MFE 55 Models | | |
|----------------------|-----------------------------------|---|
| ENGINE | Full Throttle Operating Range RPM | 55 HP – 5500 to 6000 RPM |
| | Power | 55 HP (41 kw) @ 5750 RPM |
| | Idle RPM in Neutral | 750 ± 50 <i>EMM</i> Controlled |
| | Weight | MRL - 250 lbs. (113 kg) MJRL - 270 lbs. (122 kg)) |
| | Lubrication | <i>Evinrude/Johnson XD100</i> |
| | Engine Type | In-line, 2 Cylinder, Two-Cycle |
| | Displacement | 52.7 cu. in. (864 cc) |
| | Bore | 3.601 in (91.47 mm) |
| | Stroke | 2.588 in. (65.74 mm) |
| | Standard Bore | 3.6005 to 3.6015 in. (91.45 to 91.48 mm) |
| | Top Crankshaft Journal | 2.1870 to 2.1875 in. (55.55 to 55.56 mm) |
| | Center Crankshaft Journal | 2.1870 to 2.1875 in. (55.55 to 55.56 mm) |
| | Bottom Crankshaft Journal | 1.5747 to 1.5752 in. (40.0 to 40.01 mm) |
| | Rod Crankpin | 1.3757 to 1.3762 in. (34.94 to 34.96 mm) |
| | Piston Ring End Gap, Both | 0.011 to 0.023 in. (0.28 to 0.58 mm) |
| FUEL | Fuel/Oil Control | <i>EMM</i> Controlled |
| | Starting Enrichment | <i>EMM</i> Controlled |
| | Minimum (High) Fuel Pressure | 24 to 28 psi (165 to 193 kPa) |
| | Minimum Fuel Lift Pump Pressure | 3 psi (21 kPa) |
| | Maximum Fuel Inlet Vacuum | 4 in. Hg. |
| | Heavy Fuels | JP5, JP8, Jet A, Kerosene |
| | Gasoline Based Fuels | Gasoline, Gasohol, 87AKI (R+M)/2 or 90 RON minimum |
| | Emergency Fuel | Diesel DFM-F76, BioDiesel IMPORTANT: If outboard must be run on diesel, it should then be run on gasoline to clean internal components. See Fuel Requirements on p. 37 for additional information |
| | Additives | <i>2+4[®] Fuel Conditioner, Fuel System Cleaner</i> Use of other additives may result in engine damage. See Fuel Requirements on p. 37 for additional information |

| MFE 55 Models | | |
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| ELECTRICAL | Minimum Battery Requirements | (with Electric Start Kit) 640 CCA (800 MCA) or 800 CCA (1000 MCA) below 32° F (0° C) |
| | Alternator | 55-Amp system current 25-Amp available for battery charging |
| | Tachometer Setting | 6 pulse (12 pole) |
| | Engine Fuse | P/N 967545 – 10 A |
| COOLING | Thermostat | 143°F (62°C) |
| | Maximum Temperature | 212°F (100°C) |
| | Water pressure | 12 to 14 psi @ 5000 RPM |
| IGNITION | Type | Capacitor Discharge |
| | Firing Order | 1-2 |
| | Ignition Timing | <i>EMM</i> Controlled |
| | RPM Limit in Gear | 6250 |
| | RPM Limit in Neutral | 1800 |
| | Crankshaft Position Sensor Air Gap | Fixed |
| | Spark Plug | Refer to Emission Control Information Label <i>Champion</i> [†] QC10WEP @ 0.028 ± .003 in. (0.76 mm) |
| GEARCASE | Gear Ratio | 12:32 (.375) |
| | Lubricant | <i>HPF PRO Gearcase Lube</i> |
| | Capacity | 22 fl. oz. (650 ml) |
| | Shift Rod Height | 21.38 (543 mm) ± one-half turn |
| | Shift Cable Stroke | 1.125 to 1.330 in. (28.6 to 33.8 mm) measured between NEUTRAL and FORWARD |