


SPECIFICATIONS

Model Numbers 40R75 Standard length (15" transom)
40RL75 - 5" longer (20" transom)
40E75 Standard length (15" transom)
40EL75 - 5" longer (20" transom)

 NOTE: The recommended full power operating range for your outboard motor is from 4000 - 5000 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 4500 - 5000 R.P.M., is the engine speed to use in selecting the proper propeller. The R.P.M. should be measured with your expected average load in the boat.

Horsepower (B.I.A. certified) 40 hp at 4500 rpm
Full throttle operating range 4000 to 5000 rpm
Tank test with test wheel 4500 rpm Part Number 378566

Engine type 2 cyl., 2 cycle, alternate firing
Bore and stroke 3-3/16" bore x 2-3/4" stroke
Piston displacement 43.9 cubic inches

Piston ring sets (2 per set)
standard Part Number 384699
.030" oversize Part Number 384718

Diameter of ring 3.1875 in. (standard)

Width of ring Upper - .0900 - .0895 in.
Lower - .0615 - .0625 in.

Lbs. compression Upper - 1.0 to 3.0 lbs.
recommended Lower - 4 to 8 lbs.
when compressed

Piston less rings
standard Part Number 384692
.030" oversize Part Number 384715

Crankshaft size
Top journal 1.4979 - 1.4974
Center journal 1.3752 - 1.3748
Bottom journal 1.1815 - 1.1810

Connecting rod 1.1828 - 1.1823 in.
crank pin

Carburetion Single barrel, float feed, fixed
high speed adjustable low-
speed, manual or electric choke

High speed orifice Part Number 319534
plug Identification Number 67D
Check with #51 drill

Float level setting Flush with rim of casting

Inlet needle seat .065 - .062
Use #52 drill as gage

Cooling system Centri-matic (combination
positive displacement and
centrifugal pump)

Propeller gear 12:21
ratio

Propeller drive Part Number 304757, 1/4" x
pin 1-15/32" stainless steel

Propeller supplied 3 blade, 10-1/2" dia. x 13" pitch
with motor

Propeller 3 blade, 10-3/4" dia. x 11" pitch
options 3 blade, 10-3/8" dia. x 11-1/2"
pitch
3 blade, 10-1/2" dia. x 12" pitch

Speed control On steering handle - Manual Start.
Knob on steering bracket or
remote control - Electric Start.
Synchronized throttle and spark

Gear shift control Forward, neutral, and reverse

Weight (without fuel tank) Model 40R75 128 lbs.
Model 40RL75 - 131 lbs.
Model 40E75 137 lbs.
Model 40EL75 - 140 lbs.
(Fuel tank weight 11 pounds net)

Fuel capacity 6 gallons

Electrical system 5 amp flywheel alternator
(Electric start models only)

Starter Manual - Self-winding
Electric - 12 volt, Key start and
emergency rope

Starter amperage draw while cranking 120 AMPS Max.

Ignition Low tension magneto

Spark plug Champion L4J, 14mm

Spark plug gap .030 inch

Spark plug torque 17-1/2 - 20-1/2 foot-pounds

Breaker point Gap .020 inch

Condenser Part Number 581419
Capacity .25 - 29 Mfd.
Coil Part No. 581370

COIL TEST SPECIFICATIONS

New Stevens Tester Model No. M.A.-75 or M.A.-80
with M.A.-14 Adapter in Series with High Tension Lead

| Switch | Index Adjustment |
|--------|------------------|
| B | 25 |

Merc-O-Tronic with 55-980 CDA Adapter

| Operating Amperage | Primary Resistance Min. Max. | Secondary Continuity Min. Max. |
|--------------------|------------------------------|--------------------------------|
| 1.7 | 0.8 - 1.2 | 60 - 70 |

Graham Tester Model

| Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index |
|-------------------|-----------------|------------|-------------------|-----------|
| 20,000 ohms | 14.0 ohms | 50 | 24 | 45 |

COIL OHMMETER TEST

| Primary (Low Ohms) | Secondary (High Ohms) |
|--------------------|-----------------------|
| 1.35 ± .3 | 13500 ± 1500 |

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