

**SPEC**



**GENERAL SPECIFICATIONS**

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| Item                                    | Unit                     | Model  |  |            |
|---|--------------------------|--|--|------------|
|   |                          | 25VM   | 30GM   | 30GE       |
| World wide                              |                          | 25VM   | 30GM   | 30GE       |
| USA                                     |                          | —  | —  | C30ER      |
| Canada                                  |                          | C25MH  | C30MH  | —          |
| Approved model No.:                     |                          | 61R  | 61T  |            |
| <b>Dimensions:</b>                      |                          |  |  |            |
| Overall length                          | mm (in)                  | 849 (33.4)   |  | 609 (24.0) |
| Overall width                           | mm (in)                  | 399 (15.7)   |  | 358 (14.1) |
| Overall height                          | (S)                      | 1,141 (44.9)   |  |            |
|   | (L)                      | 1,268 (49.9)   |  |            |
|   | (UL)                     | 1,354 (53.5)   | —  |            |
| Boat transom height                     | (S)                      | 381 (15.0)   |  |            |
|   | (L)                      | 508 (20.0)   |  |            |
|   | (UL)                     | 635 (25.0)   | —  |            |
| Weight                                  | (S)                      | 52.0 (114.6)   | 55.5 (122.4)   |            |
|   | (L)                      | 53.5 (117.9)   | 57 (125.6)   |            |
|   | (UL)                     | 55.5 (122.4)   | —  |            |
| <b>Performance:</b>                     |                          |  |  |            |
| Maximum output                          | kW (hp) @ r/min          | 18.4 (25)/5,000  | 22.1 (30)/5,000  |            |
| Speed range at full-throttle            | r/min                    | 4,500 ~ 5,500  |  |            |
| Maximum fuel consumption at 5,500 r/min | ℓ /h (US gal, imp gal)   | 12 (3.17, 2.64)  | 13 (3.43, 2.86)  |            |
| <b>Engine:</b>                          |                          |  |  |            |
| Engine type                             |                          | Water cooled 2-stroke  |  |            |
| Cylinders arrangement                   |                          | Inline 2   |  |            |
| Total displacement                      | cm <sup>3</sup> (cu. in) | 496 (30.3)   |  |            |
| Bore and stroke                         | mm × mm (in × in)        | 72 × 61 (2.83 × 2.40)  |  |            |
| Compression ratio                       |                          | 6.2  | 7.0  |            |
| Number of carburetor                    |                          | 1  |  |            |
| Intake system                           |                          | Reed valve   |  |            |
| Scavenging system                       |                          | Loop charge  |  |            |
| Starting system                         |                          | Manual starter   | Manual and Electric starter  |            |
| Ignition system                         |                          | C.D.I.   |  |            |
| Alternator output                       |                          | 12V-80W for lighting   | 12V-6A for charging (with Rectifier)   |            |
| Spark advance type                      |                          | Mechanical   |  |            |
| Carburetor starting system              |                          | Choke valve type   |  |            |
| Spark plug (NGK)                        |                          | BR7HS-10 (For EUROPE and CANADA)<br>B7HS-10 (Except for EUROPE and CANADA) | BR8HS-10 (For CANADA, EUROPE and SOUTH AFRICA)<br>B8HS-10 (Except for CANADA, EUROPE and SOUTH AFRICA) |            |
| Exhaust system                          |                          | Propeller boss   |  |            |
| Cooling system                          |                          | Water  |  |            |
| Lubrication system                      |                          | Pre-mixed (Gasoline & Oil)   |  |            |



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|---------------------------------|------------------------------------|---------------------------------------|-------|-------|
|                                 |                                    | 25VM                                  | 30GM  | 30GE  |
| World wide                      |                                    |                                       |       |       |
| USA                             |                                    | —                                     | —     | C30ER |
| Canada                          |                                    | C25MH                                 | C30MH | —     |
| <b>Fuel and lubrication:</b>    |                                    |                                       |       |       |
| Fuel rating                     | P.O.N. *1                          | Min. 86                               |       |       |
| Mixing ratio                    |                                    | 100 : 1                               |       |       |
| Engine oil type                 |                                    | Yamaha two-cycle outboard motor oil*2 |       |       |
| Gear oil type                   |                                    | Hypoid gear oil SAE #90*3             |       |       |
| Gear oil capacity               | cm <sup>3</sup><br>(US oz, Imp oz) | 320<br>(10.81, 11.27)                 |       |       |
| <b>Bracket:</b>                 |                                    |                                       |       |       |
| Trim angle                      | Degree                             | 4, 8, 12, 16, 20                      |       |       |
| Tilt-up angle                   | Degree                             | 76                                    |       |       |
| Shallow water cruising angle    | Degree                             | Tilt angle + 20                       |       |       |
| Steering angle (right and left) | Degree                             | 40                                    |       |       |
| <b>Drive unit:</b>              |                                    |                                       |       |       |
| Gear shift position             |                                    | Forward—Neutral—Reverse               |       |       |
| Gear ratio                      |                                    | 13 : 27 (2.08)                        |       |       |
| Reduction system                |                                    | Spiral bevel gear                     |       |       |
| Clutch type                     |                                    | Dog clutch                            |       |       |
| Propeller direction (rear view) |                                    | Clockwise                             |       |       |
| Propeller drive system          |                                    | Spline                                |       |       |
| <b>Propeller:</b>               |                                    |                                       |       |       |
| Series mark                     |                                    | F                                     |       |       |

\*1: Pump Octane Number; (Research octane+Motor octane)/2

\*2: YAMALUBE 2 two stroke outboard motor oil is recommended in USA.

YAMALUBE 1 two stroke outboard motor oil is recommended in CANADA.

\*3: GEAR CASE LUBE is recommended in USA.