



1. GENERAL SPECIFICATIONS

Item	Unit	Model	
		C30MH	C30ER
Dimensions:			
Overall length	mm (in)	606 (23.9)	
Overall width	mm (in)	466 (18.3)	358 (14.1)
Overall height	(S) mm (in)	—	
	(L) mm (in)	1,268 (49.9)	
	(LL) mm (in)	—	
Boat transom height	(L) mm (in)	508 (20.0)	
	(LL) mm (in)	—	
Weight	(S) kg (lb)	—	
	(L) kg (lb)	53.5 (117.9)	57 (125.6)
	(LL) kg (lb)	—	
Performance:			
Maximum output	kW (hp)/rpm	22.4 (30)/5,000	
Speed range at full-throttle	rpm	4,500~5,500	
Maximum fuel consumption	ℓ/h	13	
at 5500 rpm	(US gal, Imp gal)	(3.43, 2.86)	
Engine:			
Engine type		Water cooled 2-stroke	
Cylinders arrangement		Inline 2	
Total displacement	cm ³ (cu.in)	496 (30.3)	
Bore and stroke	mm × mm (in × in)	72 × 61 (2.83 × 2.40)	
Compression ratio		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 lamp	12V-6A for charging (with Rectifire)
Spark advance type		Mechanical	
Carburetor starting system		Choke valve type	
Spark plug (NGK)		B8HS-10 (USA) BR8HS-10 (CANADA)	
Exhaust system		Propeller boss	
Cooling system		Water	
Lubrication system		Pre-mixed (Gasoline & oil)	



Item	Unit	Model	
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Fuel and lubrication: Fuel rating Fuel tank capacity Mixing ratio Engine oil type Engine oil grade Gear oil type Gear oil capacity	P.O.N.*1 ℓ (US gal, Imp gal) cm ³ (US oz, Imp oz)	Min. 86 24 (6.34, 5.28) 100 : 1 2 stroke outboard motor oil*2 NMMA TCW II Hypoid gear oil SAE #90*3 320 (10.81, 11.27)	
Bracket: Trim angle Tilt-up angle Shallow water cruising angle Steering angle (right and left)	Degree Degree Degree Degree	4, 8, 12, 16, 20 75 Tilt angle + 20 40	
Drive unit: Gear shift position Gear ratio Reduction system Clutch type Propeller direction (rear view) Propeller drive system		Forward—Neutral—Reverse 13 : 27 (2.08) Spiral bevel gear Dog clutch Clockwise Spline	
Propeller: Series mark		F	
Electrical: Recommended battery capacity Cold cranking	Ampere-hour (kC*4) Ampere	40 (144) 210	

*1 : Pump Octane Number; (Research octan + 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.

*4 : Kilo-coulomb