



C20000-0*

GENERAL SPECIFICATION

		Unit	Model		
			50 hp	60 hp	70 hp
Model			50GETO	*1: P60TH/ 60FEHTO *2: C60ER/60FED *3: 60FEDO *4: C60TR/60FET *5: 60FETO	*3: 70BEDO *5: 70TR/70BETO
Approved model No.			62F	6H2	6H3
Overall Length		mm (in)	698 (27.5)	713 (28.1)	
			—	1,330 (52.4) ^{*1}	—
Overall width		mm (in)	364 (14.3)		
Overall height	S	mm (in)	—	1,252 (49.3) ^{*2,3,4}	—
	L	mm (in)	1,351 (53.2)	1,374 (54.1)	
	X	mm (in)	—	1,501 (59.1) ^{*1,4,5}	
Boat transom height	S	mm (in)	—	381 (15.0) ^{*2,3,4,5}	—
	L	mm (in)	508 (20.0)		
	X	mm (in)	—	635 (25.0) ^{*1,4,5}	
O/M transom height	S	mm (in)	—	400 (15.7) ^{*2,3,4,5}	—
	L	mm (in)	520 (20.5)	521 (20.5)	
	X	mm (in)	—	648 (25.5) ^{*1,4,5}	
Weight (Al.)	S	kg (lb)	—	94 (207) ^{*2} 95.5 (211) ^{*3} 104 (229) ^{*4} 103.5 (228) ^{*5}	—
	L	kg (lb)	102 (225)	97.5 (215) ^{*3} 105.5 (233) ^{*5}	
				112 (247) ^{*1} 96 (212) ^{*2} 106 (234) ^{*4}	—
	X	kg (lb)	—	115 (254) ^{*1} 109 (240) ^{*4}	108.5 (239) ^{*5}
Weight (SUS.)	S	kg (lb)	—	97.5 (215) ^{*3} 105.5 (233) ^{*5}	—
	L	kg (lb)	—	99.5 (219) ^{*3} 107.5 (237) ^{*5}	
	X	kg (lb)	—	110.5 (244) ^{*5}	
Full throttle speed range		r/min	4,500 ~ 5,500		5,000 ~ 6,000
Output (ISO)		kW (hp) @ r/min	36.8 (50) @ 5,000	44.1 (60) @ 5,000	51.5 (70) @ 5,500
Maximum fuel consumption		L (US gal, Imp gal)/h @ r/min	22 (5.81, 4.84) @ 5,500	23 (6.08, 5.06) @ 5,500	26 (6.87, 5.72) @ 5,500
Type			2 stroke - L		
Cylinders			3		
Total displacement		cm ³ (cu in)	849 (51.8)		
Bore × Stroke		mm (in)	72.0 × 69.5 (2.83 × 2.74)		
Compression ratio			6.33	6.10	
Compression pressure		kPa (kg/cm ²)	853 (8.53)		
Carburetor number			3		
Intake system			Reed valve		



	Unit	Model		
		75hp	80hp	90hp
Model		C75TR/75CET ^{*1} 75TR/75CETO ^{*2} P75TH/75CEHTO ^{*3}	80AETO	90AEHD ^{*1} 90AED ^{*2} C90TR/90AET ^{*3} 90TR/90AETO ^{*4} B90TR/90AETO ^{*4}
Approved model No.		6H0		6H1
Overall Length	mm (in)	726 (28.6) ^{*1,2} 1,343 (52.9) ^{*3}	726 (28.6) —	726 (28.6) ^{*2,3,4} 1,343 (52.9) ^{*1}
Overall Width	mm (in)	374 (14.7) ^{*1,2} 398 (15.7) ^{*3}	374 (14.7) —	374 (14.7) ^{*2,3,4} 398 (15.7) ^{*1}
Overall Height	S	mm (in)	—	
	L	mm (in)	1,413 (55.6)	
	X	mm (in)	—	1,540 (60.6) 1,540 (60.6) ^{*4}
Boat transom height	S	mm (in)	—	
	L	mm (in)	508 (20.0)	
	X	mm (in)	—	635 (25.0) 635 (25.0) ^{*4}
O/M transom height	S	mm (in)	—	
	L	mm (in)	520 (20.5)	
	X	mm (in)	—	647 (25.5) 647 (25.5) ^{*4}
Weight (AI.)	S	kg (lb)	—	
	L	kg (lb)	119.5 (263) ^{*1} 120.5 (266) ^{*2} 124.5 (275) ^{*3}	120.5 (266) 115.5 (255) ^{*1} 111.5 (246) ^{*2} 119.5 (263) ^{*3} 120.5 (266) ^{*4}
	X	kg (lb)	—	123.5 (272) 123.5 (272) ^{*4}
Weight (SUS.)	S	kg (lb)	—	
	L	kg (lb)	121.5 (268) ^{*1} 122.5 (270) ^{*2}	122.5 (270) 113.5 (250) ^{*2} 121.5 (268) ^{*3} 122.5 (270) ^{*4}
	X	kg (lb)	—	125.5 (277) 125.5 (277) ^{*4}
Full throttle speed range	r/min	4,500 ~ 5,500		
Output (ISO)	kW (hp) @ r/min	55.2 (75) @ 5,000	58.8 (80) @ 5,000	66.2 (90) @ 5,000
Maximum fuel consumption	L (US gal, Imp gal)/h @ r/min	32 (8.45, 7.04) @ 5,500		34.5 (9.11, 7.59) @ 5,500
Type		2 stroke-L		
Cylinders		3		
Total Displacement	cm ³ (cu in)	1,141 (69.6)		
Bore x Stroke	mm (in)	82.0 x 72.0 (3.23 x 2.83)		
Compression ratio		5.90		5.86
Compression pressure	kPa (kg/cm ²)	922 (9.22)		
Carburetor number		3		
Intake system		Reed valve		



	Unit	Model					
		50 hp	60 hp	70 hp	75 hp	80 hp	90 hp
Scavenging system		Loop charge					
Starting system		Electric					
Ignition system		CDI					
Alternator output		6A			10A		
Carburetor starting system		Choke valve ^{*1} /Prime start					
Advance type		Micro computer					
Spark plug (NGK)		BR8HS-10	B8HS-10				
Spark plug with noise suppressor (NGK)		BR8HS-10/Register plug-cap (standard)					
Exhaust system		Through prop boss					
Cooling system		Water					
Lubrication system		Pre-mixed gasoline & oil ^{*2} /Oil injection					
Fuel type	P.O.N. ^{*3}	Regular gasoline					
Fuel rating		Min.86					
Engine oil type/grease		TC-W3 ^{*4}					
Gear oil type		Hypoid gear oil-SAE#90 ^{*5}					
Gear oil quantity	cm ³ (US oz, Imp oz)	500 (16.91, 17.60)	610 (20.62, 21.47)				
Engine oil tank capacity	L (US qt, Imp qt)	2.8 (2.96, 2.46)			3.3 (3.49, 2.90)		
Tilt angle (Manual tilt model)	degree	8/12/16/20/24					
Tilt-up angle S	degree	63			—		
L, X		67					
Trim angle (PTT model)	at 12 transom	-4 ~ 15			-4 ~ 16		
Steering angle	degree (left + right)	35 + 35			30 + 30		
Gear shift position		F-N-R ^{*6}					
Gear ratio		14:24 (1.714)	12:28 (2.333)		13:26 (2.000)		
Gear type		Spiral bevel gear					
Clutch type		Dog clutch					
Propeller direction		Clockwise					
Propeller drive system		Spline					
Propeller series mark		K					
Battery capacity	Ah (kC)	70 (252)					
Cold cranking	Amps	380					

*1: For C60ER, C60TR, C75TR

*2: For C60ER/60FED, C60TR/60FET, C75TR, 90AEHD, 90AED, C90TR/90AET

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

*4: YAMALUBE two-cycle outboard motor oil is recommended in USA
YAMALUBE 1 is recommended in Canada

*5: GEAR CASE LUBE is recommended in USA

*6: Forward-Neutral-Reverse



Item	Unit	Model	
		50 hp	
Propeller	in	G type (aluminum)	
No. of blades × diameter × pitch		3 × 11-3/8 × 12	
		3 × 11-1/8 × 13	

Item	Unit	Model	
		60, 70 hp	
Propeller	in	K type (aluminum)	K type (stainless)
No. of blades × diameter × pitch		3 × 13-1/4 × 17	3 × 13 × 17
		3 × 13 × 23	3 × 13 × 19
		3 × 12-5/8 × 21	3 × 13 × 21
		3 × 13 × 19	3 × 13 × 23
		3 × 13-1/2 × 15	3 × 13 × 25
		3 × 13-5/8 × 13	3 × 13-1/2 × 14
P: High performance propeller	in	P type (stainless)	
		3 × 14 × 20	
		3 × 14 × 24	
		3 × 14 × 28	

Item	Unit	Model	
		75, 80, 90 hp	
Propeller	in	K type (aluminum)	K type (stainless)
No. of blades × diameter × pitch		3 × 12-5/8 × 21	3 × 13 × 17
		3 × 13 × 19	3 × 13 × 19
		3 × 13 × 23	3 × 13 × 21
		3 × 13-1/4 × 17	3 × 13 × 23
		3 × 13-1/2 × 15	3 × 13 × 25
		3 × 13-1/2 × 17	3 × 13-1/2 × 14
		3 × 13-5/8 × 13	3 × 13-1/2 × 16
P: High performance propeller	in	P type (stainless)	
		3 × 14 × 20	
		3 × 14 × 22	
		3 × 14 × 24	
		3 × 14 × 26	
		3 × 14 × 28	