



C20000-0\*

**GENERAL SPECIFICATION**

	Unit	Model		
		50hp	60hp	70hp
Model		50GETO	*1:60FEO *2:60FETO *3:C60ER/60FE *4:C60TR/60FET *5:P60TH/ 60FEMTO	*1:70BEO *2:70TR/70BETO
Approved model No.		62F	6H2	6H3
Overall Length	mm (in)	698 (27.5)	713 (28.1)	
		—	1330 (52.4) <sup>*5</sup>	—
Overall Width	mm (in)	364 (14.3)		
Overall Height	S mm (in)	—	1252 (49.3)	—
	L mm (in)	1351 (53.2)	1374 (54.1)	
	UL mm (in)	—	1501 (59.1)	
Boat transom height	S mm (in)	—	381 (15.0)	—
	L mm (in)	508 (20.0)		
	UL mm (in)	—	635 (25.0)	
O/M transom height	S mm (in)	—	400 (15.7)	—
	L mm (in)	520 (20.5)	521 (20.5)	
	UL mm (in)	—	648 (25.5)	
Weight (Al.)	S kg (lb)	—	95.5 (211) <sup>*1</sup> 103.5 (228) <sup>*2</sup> 94 (207) <sup>*3</sup> 104 (229) <sup>*4</sup>	
	L kg (lb)	102 (225)	97.5 (215) <sup>*1</sup> 105.5 (233) <sup>*2</sup> 96 (212) <sup>*3</sup> 106 (234) <sup>*4</sup> 112 (247) <sup>*5</sup>	
	UL kg (lb)	—	111 (245) <sup>*3</sup>	—
Weight (SUS.)	S kg (lb)	—	97.5 (215) <sup>*1</sup>	—
	L kg (lb)	—	105.5 (233) <sup>*2</sup>	—
	UL kg (lb)	—	99.5 (219) <sup>*1</sup> 107.5 (237) <sup>*2</sup>	110.5 (244) <sup>*2</sup>
Full throttle speed range	r/min	4500 ~ 5500		5000 ~ 6000
Output (ISO)	kW (hp) @ r/min	36.8 (50) @ 5000	44.1 (60) @ 5000	51.5 (70) @ 5500
Maximum fuel consumption	L (US gal, Imp gal)/h @ r/min	22 (5.81, 4.84) @ 5500	23 (6.08, 5.06) @ 5500	26 (6.87, 5.72) @ 5500
Type		2 stroke - L		
Cylinders		3		
Total Displacement	cm <sup>3</sup> (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 <sup>2</sup> )	853 (8.53)		
Carburetor number		3		
Intake system		Reed valve		



	Unit	Model		
		75hp	80hp	90hp
Model		75CETO *:P75TH/75CEHTO	80AETO C80TR/80AET	90TR/90AETO B90TR/90AETO
Approved model No.		692	6H0	6H1
Overall Length	mm (in)	726 (28.6)		
Overall Width	mm (in)	1343 (52.9)	—	
		374 (14.7)		
Overall Height	mm (in)	—		
		1413 (55.6)		
Boat transom height	mm (in)	—		
		508 (20.0)		
O/M transom height	mm (in)	—		
		520 (20.5)		
Weight (Al.)	kg (lb)	—		
		124.5 (274)*	—	
Weight (SUS.)	kg (lb)	120.5 (266)		
		—		
Full throttle speed range	r/min	4500 ~ 5500		
		4500 ~ 5500		
Output (ISO)	kW (hp) @ r/min	55.2 (75) @ 5000	58.8 (80) @ 5000	66.2 (90) @ 5000
Maximum fuel consumption	L (US gal, Imp gal)/h @ r/min	32 (8.45, 7.04) @ 5500		34.5 (9.11, 7.59) @ 5500
Type		2 stroke-L		
Cylinders		3		
Total Displacement	cm <sup>3</sup> (cu in)	1141 (69.6)		
Bore × Stroke	mm (in)	82.0 × 72.0 (3.23 × 2.83)		
Compression ratio		5.90		5.86
Compression pressure	kPa (kg/cm <sup>2</sup> )	922 (9.22)		
Carburetor number		3		
Intake system		Reed valve		



	Unit	Model					
		50hp	60hp	70hp	75hp	80hp	90hp
Scavenging system		Loop charge					
Starting system		Electric					
Ignition system		C.D.I.					
Alternator output		6A			10A		
Carburetor starting system		Choke valve <sup>*1</sup> /Prime start					
Advance type		Micro computer					
Spark plug (NGK)		BR8HS-10	B8HS-10				
Spark plug with noise suppressor (NGK)		BR8HS-10/Register pulg-cap (standard)					
Exhaust system		Through prop boss					
Cooling system		Water					
Lubrication system		Pre-mixed gasoline & oil <sup>*1</sup> /Oil injection					
Fuel type	P.O.N. <sup>*2</sup>	Regular gasoline					
Fuel rating		Min. 86					
Engine oil type/grade		TC-W3 <sup>*3</sup>					
Gear oil type		Hypoid gear oil-SAE#90 <sup>*4</sup>					
Gear oil quantity	cm <sup>3</sup> (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: L: degree	63			—		
Trim angle (P.T.T model)	at 12 transom degree	—			67		
Steering angle	(left + right)	-4 ~ 15			-4 ~ 16		
Gear shift position		F-N-R <sup>*5</sup>					
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		G	K				
Battery capacity	Ah (kC)	70 (252)					
Cold cranking	Amps	380					

<sup>\*1</sup> :For C60ER/60FE, C60TR/60FET, C80TR/80AET

<sup>\*2</sup> :Pump Octane Number; (Research octane + Motor octane)/2

<sup>\*3</sup> :YAMALUBE two-cycle outboard motor oil is recommended in U.S.A  
YAMALUBE 1 is recommended in Canada

<sup>\*4</sup> :GEAR CASE LUBE is recommended in U.S.A.

<sup>\*5</sup> :Forward-Neutral-Reverse



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

Item	Unit	Model	
		60, 70 hp	
Propeller No. of blades × diameter × pitch	in	K type (aluminum)	K type (stainless)
		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
			3 × 13-1/2 × 16
P: High performance propeller	in	P type (stainless)	
		3 × 14 × 20	
		3 × 14 × 24	
		3 × 14 × 28	

Item	Unit	Model	
		75, 80, 90hp	
Propeller No. of blades × diameter × pitch	in	K type (aluminum)	K type (stainless)
		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
		3 × 14 × 11	
P: High performance propeller	in	P type (stainless)	
		3 × 14 × 20	
		3 × 14 × 22	
		3 × 14 × 24	
		3 × 14 × 26	
		3 × 14 × 28	