



C20000-0*

GENERAL SPECIFICATION

	Unit	Model				
		50hp	60hp	70hp	80hp	90hp
Model		*1:50GEO *2:50GETO	*1:60FEO *2:60FETO *3:P60TH/ 60FEMTO	*1:70BEO *2:70TR/ 70BETO	*1:80AEO *2:80AETO	*1:90AEO *2:90TR/ 90AETO
Approved model No.		62F	6H2	6H3	6H0	6H1
Overall Length	mm (in)	698(27.5)	713 (28.1)		726 (28.6)	
		—	1337(52.6)*3		—	
Overall Width	mm (in)	364(14.3)			374 (14.7)	
		—	393(15.5)*3			—
Overall Height	S	mm (in)	1230(48.4)	1252(49.3)		—
	L	mm (in)	1351(53.2)	1374(54.1)		1413 (55.6)
	UL	mm (in)	—	1501(59.1)		1540(60.6)*2 1540(60.6)
Boat transom height	S	mm (in)	381(15.0)	381(15.0)		—
	L	mm (in)	508 (20.0)			
	UL	mm (in)	—	635 (25.0)*2		635(25.0)
O/M transom height	S	mm (in)	400 (15.7)			—
	L	mm (in)	520 (20.5)	521 (20.5)		520 (20.5)
	UL	mm (in)	—	648 (25.5)*2		647(25.5)*2 —
Weight (Al.)	S	kg (lb)	93 (205)*1	95.5 (211)*1		—
			101 (223)*2	103.5 (228)*2		—
	L	kg (lb)	94 (207)*1	97.5 (215)*1		112.5(248)*1
			102 (225)*2	105.5 (233)*2		120.5(266)*2
	UL	kg (lb)	—	111(245)*3	—	
Weight (SUS.)	S	kg (lb)	—	97.5 (215)*1		—
			—	105.5 (233)*2		—
	L	kg (lb)	—	99.5 (219)*2		114.5 (252)*1
			—	107.5 (237)*2		120.5 (270)*2
	UL	kg (lb)	—	110.5 (244)*1		117.5(259)*1 125.5 (277)*2
Full throttle speed range	rpm	4500 ~ 5500		5000 ~	4500 ~ 5500	
Output (ISO)	kW (hp)/	37.3(50)/	44.8(60)/	52.2(70)/	59.7(80)/	67.1(90)/
	rpm	5000	5000	5500	5000	5000
Maximum fuel consumption	L (US gal,	22	23	26	32	34.5
	Imp gal)/h at rpm	(5.81, 4.84) at 5500	(6.08, 5.06) at 5500	(6.87, 5.72) at 5500	(8.45, 7.04) at 5500	(9.11, 7.59) at 5500
Type		2 stroke - L				
Cylinders		3				
Total Displacement	cm ³ (cu in)	849(51.8)			1141(69.6)	
Bore x Stroke	mm (in)	72.0 x 69.5(2.83 x 2.74)			82.0 x 72.0(3.23 x 2.83)	
Compression ratio		6.33	6.10		5.90	5.86
Compression pressure	kPa (kg/cm ²)	853(8.53)			922(9.22)	
Carburetor number		3				
Intake system		Reed valve				



	Unit	Model				
		50hp	60hp	70hp	80hp	90hp
Scavenging system		Loop charge				
Starting system		Electric				
Ignition system		C.D.I				
Alternator output		6A			10A	
Carburetor starting system		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		Oil injection				
Fuel type	P.O.N*1	Reguler gasoline				
Fuel rating		Min. 86				
Engine oil type/grade		TC-W3*2				
Gear oil type		Hypoid gear oil-SAE#90*3				
Gear oil quality	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	degree	8/12/16/20/24				
Tilt-up angle	S: degree L: degree	63			—	
Trim angle (P.T.T model)	at 12 transom	-4 ~ 15			-4 ~ 16	
Steering angle	degree (left + right)	35 + 35			30 + 30	
Gear shift position		F-N-R*4				
Gear ratio		14 : 24 (1.714)	12 : 28 (2.333)		13 : 26 (2.000)	
Gear type		Spiral bevel gear				
Cluth 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				

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

*2 YAMALUBE two-cycle outboard motor oil is recommended in U.S.A.
YAMALUBE 1 is recommended in Canada

*3 GEAR CASE LUBE is recommended in U.S.A.

*4 Forward-Neutral-Reverse



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

Item	Unit	Model	
		60, 70 hp	
Propeller		K type (aluminum)	K type (stainless)
No. of blades × diameter × pitch	in	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	
		80, 90 hp	
Propeller		K type (aluminum)	K type (stainless)
No. of blades × diameter × pitch	in	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	