



**GENERAL SPECIFICATIONS**

Item	Unit	Model							
		40VMH	40VMHO	40VRO	40VE	40VEO	40VEHTO	40VETO	
Approved model No.		6H4							
<b>DIMENSION:</b>									
Over-all length	mm (in)	1,281 (50.4)		670 (26.4)			1,281 (50.4)	646 (25.4)	
Over-all width	mm (in)	349 (13.7)				360 (14.2)			
Over-all height	S mm (in)	1,223 (48.1)			1,192 (46.9)		—	1,192 (46.9)	
	L mm (in)	1,350 (53.1)			1,319 (51.9)				
	UL mm (in)	—				1,433 (56.4)	—		
Boat transom height	S mm (in)	381 (15.0)				—	381 (15.0)		
	L mm (in)	508 (20.0)							
	UL mm (in)	—				635 (25.0)	—		
<b>WEIGHT: (with aluminum propeller)</b>									
	S kg (lb)	74 (163)	75.8 (167)	71.5 (158)	73.5 (162)	74.5 (164)	—	85.5 (189)	
	L kg (lb)	76.5 (169)	77.5 (171)	74 (163)	76 (168)	77.3 (170)	90 (198)	88 (194)	
	UL kg (lb)	—				80.5 (177)	—	—	
<b>PERFORMANCE:</b>									
Output (ISO)	kW (hp)/rpm	29.8 (40)/5,000							
Full throttle operating range	rpm	4,500 ~ 5,500							
Maximum fuel consumption	L (US gal, Imp gal)/h at rpm	18.5 (4.9, 4.1) at 5,500							
<b>ENGINE:</b>									
Type		2 stroke - L							
Number of cylinder		3							
Total displacement	cm <sup>3</sup> (cu. in)	698 (42.6)							
Bore × Stroke	mm (in)	67.0 × 66.0 (2.64 × 2.60)							
Compression ratio		6.00							
Number of carburetor		3							
Intake system		Reed valve							
Scavenging system		Loop charge							
Control system		Tiller control	Remote control				Tiller control	Remote control	
Starting system		Manual				Electric			
Ignition system		CDI							
Alternator output		80W				6A			
Enrichment system		Choke valve				Prime start			
Advance type		Electric automatic							
Spark plug (NGK)		B7HS-10							
For CANADA and Europe		BR7HS-10							
Exhaust system		Through propeller boss							
Cooling system		Water							
Lubrication system		Pre-mixed fuel & oil	Oil injection			Pre-mixed fuel & oil	Oil injection		



Item	Unit	Model					
		40VMH	40VMHO	40VRO	40VE	40VEO	40VEHTO
<b>FUEL AND LUBRICATION:</b> Fuel type Fuel rating Engine oil type/grade Mixing ratio Engine oil tank capacity Gear oil type Gear oil quantity	P.O.N.*1	Regular gasoline Min. 86 2-stroke outboard motor oil / TC-W3					
	L (US qt, Imp qt)	50 : 1	—	50 : 1	—	1.5 (1.6, 1.3)	
	cm <sup>3</sup> (US oz, Imp oz)	Hypoid gear oil-SAE#90 430 (14.5, 15.1)					
<b>BRACKET:</b> Trim/tilt system Tilt angle Tilt-up angle Trim angle Shallow water crushing angle Steering angle	degree	Manual tilt			Power trim/tilt		
	degree	8, 12, 16, 20, 24			—		
	degree at 12° transom	66			69		
	degree	—			-4 ~ 20		
degree	Tilt angle +18	—	Tilt angle + 18	—			
degree (left + right)	40 + 40						
<b>DRIVE UNIT:</b> Gear shift position Gear ratio Gear type Clutch type Propeller direction Propeller drive system Propeller series mark		F-N-R					
		1.85 (24/13)					
		Spiral bevel gear					
		Dog clutch					
		Clockwise					
		Spline					
		G					
<b>ELECTRICAL:</b> Battery capacity Cold cranking	Ah (kC)	—			70 (252)		
	Amps	—			385		

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



Item	Unit	Model							
		50HMHO	50HMHD	50HRO	50HRDO	50HEMHD	50HEDO	50HEHTO	50HETO
Approved model No.		6H5							
<b>DIMENSION:</b>									
Over-all length	mm (in)	1,281 (50.4)		670 (26.4)		1,281 (50.4)	670 (26.4)	1,281 (50.4)	670 (26.4)
Over-all width	mm (in)	349 (13.7)	360 (14.2)	349 (13.7)	360 (14.2)				
Over-all height	S mm (in)	1,223 (48.1)			—		1,192 (46.9)	—	
	L mm (in)	—	1,350 (53.1)	—	1,350 (53.1)		1,319 (51.9)		
	UL mm (in)	—					—		1,433 (56.4)
Boat transom height	S mm (in)	381 (15.0)			—		381 (15.0)	—	
	L mm (in)	—	508 (20.0)	—	508 (20.0)				
	UL mm (in)	—					—		635 (25.0)
<b>WEIGHT:</b> (with aluminum propeller)									
	S kg (lb)	75 (165)	81.5 (180)	71.5 (158)	—		82 (181)	—	
	L kg (lb)	—	84 (185)	—	81.5 (180)	90 (198)	84.5 (186)	90 (198)	88 (194)
	UL kg (lb)	—							90.5 (200)
<b>PERFORMANCE:</b>									
Output (ISO)	kW (hp)/rpm	36.8 (50)/5,000							
Full throttle operation range	rpm	4,500 ~ 5,500							
Maximum fuel consumption	L (US gal, Imp gal)/h at rpm	22 (5.8, 4.8) at 5,500							
<b>ENGINE:</b>									
Type		2 stroke - L							
Number of cylinder		3							
Total displacement	cm <sup>3</sup> (cu. in)	698 (42.6)							
Bore × Stroke	mm (in)	67.0 × 66.0 (2.64 × 2.60)							
Compression ratio		6.00							
Number of carburetor		3							
Intake system		Reed valve							
Scavenging system		Loop charge							
Control system		Tiller control	Remote control		Tiller control	Remote control	Tiller control	Remote control	
Starting system		Manual			Manual & Electric	Electric			
Ignition system		CDI							
Alternator output		80W				6A			
Enrichment system		Choke valve				Prime start			
Advance type		Electric automatic							
Spark plug (NGK)		B8HS-10							
For CANADA and Europe		BR8HS-10							
Exhaust system		Through propeller boss							
Cooling system		Water							
Lubrication system		Oil injection	Pre-Mixed fuel & Oil	Oil injection		Pre-Mixed fuel & Oil	Oil injection		



Item	Unit	Model							
		50HMH0	50HMHD	50HRO	50HRD0	50HEMHD	50HED0	50HEHT0	50HET0
<b>FUEL AND LUBRICATION:</b> Fuel type Fuel rating Engine oil type/grade Mixing ratio Engine oil tank capacity Gear oil type Gear oil quantity	P.O.N.*1	Regular gasoline Min. 86 2-stroke outboard motor oil / TC-W3							
	L (US qt, Imp qt)	— 1.5 (1.6, 1.3)	50 : 1 —	— 1.5 (1.6, 1.3)	50 : 1 —	— 1.5 (1.6, 1.3)			—
	cm <sup>3</sup> (US oz, Imp oz)	Hypoid gear oil-SAE#90 430 (14.5, 15.1)							
<b>BRACKET:</b> Trim/tilt system Tilt angle Tilt-up angle Trim angle Shallow water crushing angle Steering angle		Manual tilt	Hydro tilt	Manual tilt	Hydro tilt		Power trim/tilt		
	degree	8, 12, 16, 20, 24	—	8, 12, 16, 20, 24	—		—		
	degree	66	69	66	69		—		
	degree at 12° transom	—	-4 ~ 20	—	-4 ~ 20		—		
	degree	—							
degree (left + right)	40 + 40								
<b>DRIVE UNIT:</b> Gear shift position Gear ratio Gear type Clutch type Propeller direction Propeller drive system Propeller series mark		F-N-R 1.85 (24/13) Spiral bevel gear Dog clutch Clockwise Spline G							
<b>ELECTRICAL:</b> Battery capacity Cold cranking	Ah (kC)	—			70 (252)				
	Amps	—			385				

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