



GENERAL SPECIFICATIONS

Item	Unit	Model					
		40VMH	40VMHO	40VRO	40VE	40VEO	40VETO
Approved model No.		6H4					
DIMENSION:							
Over-all length	mm (in)	1,281 (50.4)		670 (26.4)		646 (25.4)	
Over-all width	mm (in)	349 (13.7)				350 (13.8)	
Over-all height	S mm (in)	1,223 (48.1)			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)					
	L mm (in)	508 (20.0)					
	UL mm (in)	—				635 (25.0)	
WEIGHT: (with aluminum propeller)							
	S kg (lb)	74 (163)	75.8 (167)	71.5 (158)	73.5 (162)	74.5 (164)	88 (194)
	L kg (lb)	76.5 (169)	77.5 (171)	74 (163)	76 (168)	77.3 (170)	91.5 (202)
	UL kg (lb)	—				80.5 (177)	94 (207)
PERFORMANCE:							
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					
ENGINE:							
Type		2 stroke - L					
Number of cylinder		3					
Total displacement	cm ³ (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		
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	40VETO
FUEL AND LUBRICATION:							
Fuel type	P.O.N.*1	Regular gasoline					
Fuel rating		Min. 86					
Engine oil type/grade		2-stroke outboard motor oil / TC-W3					
Mixing ratio	L (US qt, Imp qt)	50 : 1	—	50 : 1	—		
Engine oil tank capacity		—	1.5 (1.6, 1.3)		—	1.5 (1.6, 1.3)	
Gear oil type	cm ³ (US oz, Imp oz)	Hypoid gear oil-SAE#90					
Gear oil quantity		430 (14.5, 15.1)					
BRACKET:							
Trim/tilt system		Manual tilt					Power trim/tilt
Tilt angle	degree	8, 12, 16, 20, 24					—
Tilt-up angle	degree	66					69
Trim angle	degree at 12° transom	—					-4 ~ 20
Shallow water crushing angle	degree	Tilt angle +18	—		Tilt angle + 18	—	
Steering angle	degree (left + right)	40 + 40					
DRIVE UNIT:							
Gear shift position		F-N-R					
Gear ratio		1.85 (24/13)					
Gear type		Spiral bevel gear					
Clutch type		Dog clutch					
Propeller direction		Clockwise					
Propeller drive system		Spline					
Propeller series mark		G					
ELECTRICAL:							
Battery capacity	Ah (kC)	—				70 (252)	
Cold cranking	Amps	—				380	

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



Item	Unit	Model									
		50HMH0	50HMH D	50HRO	50HRDO	50HEMHD	50HEMHD0	50HEDO	50HEHT0	50HETO	
Approved model No.		6H5									
DIMENSION:											
Over-all length	mm (in)	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)	—		1,192 (46.9)	
	L mm (in)	—	1,350 (53.1)	—		1,350 (53.1)		1,319 (51.9)			
	UL mm (in)	—				1,464 (57.6)		—		1,433 (56.4)	
Boat transom height	S mm (in)	381 (15.0)			—		381 (15.0)	—		381 (15.0)	
	L mm (in)	—	508 (20.0)	—		508 (20.0)					
	UL mm (in)	—				635 (25.0)		—		635 (25.0)	
WEIGHT: (with aluminum propeller)											
	S kg (lb)	75 (165)	81.5 (180)	71.5 (158)		—		82 (181)	—		85.5 (188)
	L kg (lb)	—	84 (185)	—		81.5 (180)	79.5 (175)	84.5 (186)	90 (198)	88 (194)	
	UL kg (lb)	—				83 (183)		—		90.5 (200)	
PERFORMANCE:											
Output (ISO)	kW (hp)/rpm	37.3 (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									
ENGINE:											
Type		2 stroke - L									
Number of cylinder		3									
Total displacement	cm ³ (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								
		50HMHO	50HMHD	50HRO	50HRDO	50HEMHD	50HEMHD0	50HEDO	50HEHTO	50HETO
FUEL AND LUBRICATION: 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								
		—	50 : 1	—	50 : 1	—				
	L (US qt, Imp qt)	1.5 (1.6, 1.3)	—	1.5 (1.6, 1.3)	—	1.5 (1.6, 1.3)				
	cm ³ (US oz, Imp oz)	Hypoid gear oil-SAE#90 430 (14.5, 15.1)								
BRACKET: Trim/tilt system Tilt angle Tilt-up angle Trim angle Shallow water crushing angle Steering angle	degree	Manual tilt	Hydro tilt	Manual tilt	Hydro tilt		Power trim/tilt			
		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								
DRIVE UNIT: 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									
	Ah (kC)	—				70 (252)				
		Amps	—				380			
	ELECTRICAL:									
	Battery capacity	Ah (kC)	—				70 (252)			
	Cold cracking	Amps	—				380			

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