



**GENERAL SPECIFICATIONS**

Item	Unit	Model				
		40VMH	40VMHD	40VMHO	40VMO	40VWH
		C40MH	—	40MH	—	—
<b>DIMENSION:</b>						
Over-all length	mm (in)	1,281 (50.4)			670 (26.4)	1,281 (50.4)
Over-all width	mm (in)	349 (13.7)				360 (14.2)
Over-all height	S mm (in)	1,223 (48.1)	—	1,223 (48.1)		—
	L mm (in)	1,350 (53.1)				
	X mm (in)	—				
Boat transom height	S mm (in)	381 (15.0)	—	381 (15.0)	381 (15.0)	—
	L mm (in)	508 (20.0)				
	X mm (in)	—				
<b>WEIGHT:</b> (with aluminum propeller)						
	S kg (lb)	74 (163)	—	75.8 (167)	71.5 (158)	—
	L kg (lb)	76.5 (169)	84 (185.2)	77.5 (171)	74 (163)	81.5 (179.7)
	X kg (lb)	—				
<b>PERFORMANCE:</b>						
Output (ISO)	kW (hp)/rpm	29.4 (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 x Stroke	mm (in)	67.0 x 66.0 (2.64 x 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	
Starting system		Manual				Manual & Electric
Ignition system		CDI				
Alternator output		80W	12-80	80W		12-6A
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



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		40VMH	40VMHD	40VMHO	40VMO	40VWH
		C40MH	—	40MH	—	—
<b>FUEL AND LUBRICATION:</b>						
Fuel type	P.O.N.*1	Regular gasoline				
Fuel rating		Min. 86				
Engine oil type/grade	L (US qt, Imp qt)	2-stroke outboard motor oil / TC-W3				
Mixing ratio		50 : 1	—	—	—	50 : 1
Engine oil tank capacity	cm <sup>3</sup> (US oz, Imp oz)	—	1.5 (1.6, 1.3)		—	
Gear oil type		Hypoid gear oil-SAE#90				
Gear oil quantity		430 (14.5, 15.1)				
<b>BRACKET:</b>						
Trim/tilt system		Manual tilt				
Tilt angle	degree	8, 12, 16, 20, 24	—	8, 12, 16, 20, 24		—
Tilt-up angle	degree	66	69	66		
Trim angle	degree at 12° transom	—	-4 ~ 20	—		
Shallow water crushing angle	degree	Tilt angle +18	—	Tilt angle +18	—	Tilt angle +18
Steering angle	degree (left + right)	40 + 40				
<b>DRIVE UNIT:</b>						
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				
<b>ELECTRICAL:</b>						
Battery capacity	Ah (kC)	—			70 (252)	
Cold cranking	Amps	—			380	

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



Item	Unit	Model				
		40VE	40VEO	40VEHTO	40VET	40VETO
		C40ER	40ER	P40TH	C40TR	40TR
Worldwide						
USA, CANADA						
<b>DIMENSION:</b>						
Over-all length	mm (in)	670 (26.4)		1,281 (50.4)	646 (25.4)	
Over-all width	mm (in)	349 (13.7)		360 (14.2)	350 (13.8)	
Over-all height	S mm (in)	1,192 (46.9)		—		1,192 (46.9)
	L mm (in)	1,319 (51.9)				
Boat transom height	X mm (in)	—	1,433 (56.4)	—		1,433 (56.4)
	S mm (in)	381 (15.0)		—		381 (15.0)
	L mm (in)	508 (20.0)				
	X mm (in)	—	635 (25.0)	—		635 (25.0)
<b>WEIGHT:</b> (with aluminum propeller)						
	S kg (lb)	73.5 (162)	74.5 (164)	—		85.5 (189)
	L kg (lb)	76 (168)	77.3 (170)	90 (198)	87 (191.8)	88 (194)
	X kg (lb)	—	80.5 (177)	—		91.5 (201.7)
<b>PERFORMANCE:</b>						
Output (ISO)	kW (hp)/rpm	29.4 (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 x Stroke	mm (in)	67.0 x 66.0 (2.64 x 2.60)				
Compression ratio		6.00				
Number of carburetor		3				
Intake system		Reed valve				
Scavenging system		Loop charge				
Control system		Remote control	Tiller control	Remote control		
Starting system		Electric				
Ignition system		CDI				
Alternator output		6A		12-6	6A	
Enrichment system		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



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		40VE	40VEO	40VEHTO	40VET	40VETO
		C40ER	40ER	P40TH	C40TR	40TR
<b>FUEL AND LUBRICATION:</b>						
Fuel type	P.O.N.*1	Regular gasoline				
Fuel rating		Min. 86				
Engine oil type/grade	L (US qt, Imp qt)	2-stroke outboard motor oil / TC-W3				
Mixing ratio		50 : 1	—	50 : 1	—	—
Engine oil tank capacity	cm <sup>3</sup> (US oz, Imp oz)	—	1.5 (1.6, 1.3)	—	1.5 (1.6, 1.3)	—
Gear oil type		Hypoid gear oil-SAE#90				
Gear oil quantity		430 (14.5, 15.1)				
<b>BRACKET:</b>						
Trim/tilt system	degree	Manual tilt		Power trim/ tilt	Manual tilt	Power trim/ tilt
Tilt angle		8, 12, 16, 20, 24		—		
Tilt-up angle		66		69		
Trim angle		—		-4 ~ 20		
Shallow water crushing angle	degree at 12° transom	—	Tilt angle +18	—		
Steering angle	degree (left + right)	40 + 40				
<b>DRIVE UNIT:</b>						
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				
<b>ELECTRICAL:</b>						
Battery capacity	Ah (kC)	70 (252)				
Cold cranking	Amps	385		380	385	

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



Item	Unit	Model								
		50HMHO	50HMHD	50HMO	50HMDO	50HWHD	50HEDO	50HET	50HETO	
		—	—	—	—	—	50ER	C50TR	50TR	
Worldwide										
USA, CANADA										
<b>DIMENSION:</b>										
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)	—	1,223 (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)			
	X mm (in)	—					—		1,433 (56.4)	
Boat transom height	S mm (in)	381 (15.0)	—	381 (15.0)	—		381 (15.0)	—	381 (15.0)	
	L mm (in)	—	508 (20.0)	—	508 (20.0)					
	X mm (in)	—					—		635 (25.0)	
<b>WEIGHT:</b> (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)	90 (198)	84.5 (186)	87 (191.8)	88 (194)	
	X kg (lb)	—							91.5 (202)	
<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				
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	Pre-Mixed fuel & Oil	Oil injection	



Item	Unit	Model							
		50HMHO	50HMHD	50HMO	50HMDO	50HWHD	50HEDO	50HET	50HETO
		—	—	—	—	—	50ER	C50TR	50TR
<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  L (US qt, Imp qt)  cm <sup>3</sup> (US oz, Imp oz)	Regular gasoline Min. 86 2-stroke outboard motor oil / TC-W3  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 degree degree at 12° transom degree degree (left + right)	Manual tilt 8, 12, 16, 20, 24 66 — —	Hydro tilt — 69 -4 ~ 20 —	Manual tilt 8, 12, 16, 20, 24 66 — Tilt angle +18	Hydro tilt — 69 -4 ~ 20 —	Manual tilt — — —	Power trim/tilt — — — —	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) Amps	—				70 (252) 380			

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