



# FOUR STROKE OUTBOARDS SPECIFICATIONS

Item	Model	Unit	F4BMS	F4BML	F5BMS	F5BML	F9.9BMS	F9.9BML	F9.9FWS	F9.9FWL	F15BMS	F15BML	F15FWS	F15FWL	F20BML	F20FWL	F25BML	F25FWL
Overall length		mm(in.)	717 ( 28.2 )	717 ( 28.2 )	717 ( 28.2 )	717 ( 28.2 )	1001(39.4)	1001(39.4)	643(25.3)	643(25.3)	1001(39.4)	1001(39.4)	643(25.3)	643(25.3)	1151(45.3)	703(27.7)	1151(45.3)	703(27.7)
Overall width		mm(in.)	361 ( 14.2 )	361 ( 14.2 )	361 ( 14.2 )	361 ( 14.2 )	427(16.8)	427(16.8)	369(14.5)	369(14.5)	427(16.8)	427(16.8)	369(14.5)	369(14.5)	430(16.9)	376(14.8)	430(16.9)	376(14.8)
Overall height		mm(in.)	1029 ( 40.5 )	1156 ( 45.5 )	1029 ( 40.5 )	1156 ( 45.5 )	1080(42.5)	1207(47.5)	1080(42.5)	1207(47.5)	1080(42.5)	1207(47.5)	1080(42.5)	1207(47.5)	1280(50.4)			
Transom height		mm(in.)	435 ( 17.1 )	562 ( 22.1 )	435 ( 17.1 )	562 ( 22.1 )	440(17.3)	567(22.3)	440(17.3)	567(22.3)	440(17.3)	567(22.3)	440(17.3)	567(22.3)	550(21.7)			
Weight		Kg	24.5	25.5	24.5	25.5	49	51	51	53	49	51	51	53	68	70	68	70
Full throttle operating range		r/min	4000 ~ 5000				4500 ~ 5500				4500 ~ 5500				5000 ~ 6000			
Maximum output		Kw (HP)@r/min	2.9( 4 )@4500		3.6( 5 )@5000		7.3 ( 9.9 ) @5000				11 ( 15 ) @5000				14.7(20)@5500		18.4(25)@5500	
Idling speed (Neutral)		r/min	1450 ~ 1550				900 ~ 1000				900 ~ 1000				925 ~ 1025			
Engine type			OHV				OHC				OHC							
Cylinders			1				L2				L2							
Displacement		cm <sup>3</sup>	112				323				323				498			
Bore xstroke		mm ( in )	59x41 (2.32x1.61)				59x59(2.32x2.32)				59x59(2.32x2.32)				65x75(2.56x2.95)			
Ignition system			TCI				CDI				CDI							
Control system			Tiller control				Tiller control		Remote control		Tiller control		Remote control		Tiller control	Remote control	Tiller control	Remote control
Starting system			Manual start				Manual start		Electric start		Manual start		Electric start		Manual start	Electric start	Manual start	Electric start
Gear positions			Forward-Neutral-Reverse															
Gear ratio			2.08 (27/13)															
Trim and tilt system			Manual tilt															
Fuel tank capacity			Integral 1.3				24				24							
Maximum fuel waste		L/h	1.6		2		3.5				5.3				7.3		9.2	
Engine oil capacity (Without oil filter)		L	0.5				1.0				1.0				1.7			
Gear oil capacity		cm <sup>3</sup>	100				250				250				320			
Propeller options*		in	3 - 7 1/2 "x8"															
Load for 20" container			90pcs	65pcs	52pcs	48pcs			52pcs	48pcs					52pcs	48pcs	52pcs	48pcs

\*Propellers come as a standard size with engine, you can order special size if needed.

M=Manual Start      B=Back Control  
W= Electric Start      F=Front Control