

SPECIFICATIONS

Model Numbers	FD-22 - Standard length (15" transom) FDL-22 - 5" longer (20" transom)	Propeller drive pin	Part Number 307949 3/16" x 1-25/64" stainless steel			
*Horsepower (O.B.C.- certified)	20 hp at 4500 rpm	Propeller, standard	3 blade, 9" dia. x 10-1/2" pitch			
Full throttle operating range	4000 to 5000 rpm	Speed control	Twist-grip, synchronized throttle and spark			
Tank test with test wheel	4400 rpm	Gear shift control	Forward, neutral and reverse			
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (less fuel tank)	FD - 79 lbs., FDL - 81 lbs.			
Bore and stroke	2-1/2" bore x 2-1/4" stroke	Fuel tank (net)	11 lbs.			
Piston displace- ment	22.0 cubic inches	Fuel capacity	6 gallons, suction type tank			
Piston ring sets standard	(3 per set) Part Number 378415	Starter	Ready Pull self-rewinding			
.020" oversize	Part Number 378419	Ignition	Flywheel magneto			
.040" oversize	Part Number 378423	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm			
Diameter of ring	2.5000 in. (standard)	Spark plug gap	.030 inch			
Width of ring	.0935 - .0925 in.	Spark plug torque	17-1/2 - 20-1/2 Foot-pounds			
Lbs. compression recommended when compressed	3 to 5 lbs.	Breaker point gap	.020 inch			
Piston less rings standard	Part Number 378278	Condenser	Part Number 580321			
.020" oversize	Part Number 378374	Capacity	.25 - .29 Mfd.			
.040" oversize	Part Number 378375	Part No. 580197 Coil Test Specifications - Old Stevens Tester				
Crankshaft size top journal	1.0000 - .9995 in.	Switch	Index Reading			
center journal	1.0000 - .9995 in.	B	1.5 - 2.0			
bottom journal	1.0000 - .9995 in.	New Stevens Tester Model No. M.A.-75				
Connecting rod crank pin	1.0005 - 1.0000 in.	Switch	Index Adjustment			
Carburetion	Single barrel, float feed, low- speed adjustment	A	22			
Float level setting	Flush with rim of casting	Merc-O-Tronic				
Carburetor orifice plug	.057"	Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.		
Inlet needle seat	.053" - .050" Use a #55 drill as a gage	1.40		42 - 52		
Cooling system	Vari-Volume (combination posi- tive displacement and centrif- ugal pump). Thermostatically controlled by-pass system	Graham Tester Model 51				
Propeller gear ratio	12:21	Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
		5500	1.2	75	36	70

*Horsepower established at sea level. Allow 2%
reduction per 1000' above sea level.