



3 HP SPECIFICATIONS

MODEL	JW	JWF	JH	JHL	JHF												
WEIGHT	33 lbs.	35 lbs.	33-1/2 lbs.	34 lbs.	35-1/2 lbs.												
POWER HEAD <ul style="list-style-type: none"> . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size <ul style="list-style-type: none"> . . top journal . . center journal . . bottom journal . Connecting rod crank pin 	Two cylinder, two cycle alternate firing, two port automatic intake 3.0 3500-4500 RPM 5.28 cubic inches 1-9/16" x 1-3/8" Available in standard and .020" oversize. (See Parts Catalog.) 2 per set - available in standard and .020" oversize. (See Parts Catalog.) 1.563" (standard) .0935" - .0925" 2 - 3-1/2 lbs. .6854" - .6849" .6854" - .6849" .6854" - .6849" .6255" - .6250"																
FUEL SYSTEM <ul style="list-style-type: none"> . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump 	Single barrel, float feed, low speed adjustment, manual choke Parallel with rim of casting carburetor inverted, needle valve closed .029 hole size .065" - .062" use a #52 drill as gage 4.88 pts. gravity feed tank mounted on the power head Available as an accessory for use with the 6 U.S. gallon suction type tank																
IGNITION SYSTEM <ul style="list-style-type: none"> . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap 	Flywheel magneto .020" .18 - .22 mfd AC-M42K, Champion J4J, Auto-Lite A21X - 14mm .030"																
SPEED CONTROL	Lever - synchronized throttle and spark																
STEERING	Handle - 360° pivot																
COOLING SYSTEM	Combination positive displacement - centrifugal pump																
STARTER	Manual rope, self rewind, ratchet and pawl type. Emergency rope.																
LOWER UNIT <ul style="list-style-type: none"> . Drive . Gear ratio . Propeller . Propeller drive pin . Transom height 	Direct - constant forward engagement <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">17:28</td> <td style="width: 50%;">12:25</td> </tr> <tr> <td>2 blade, 6-1/8" diameter x 6-1/4" pitch</td> <td>3 blade 8" diameter x 5-1/2" pitch</td> </tr> <tr> <td></td> <td>3 blade 8" x 4-1/2" optional</td> </tr> <tr> <td colspan="2">1/8" x 13/16" stainless steel</td> </tr> <tr> <td>15"</td> <td>15" and 20"</td> </tr> <tr> <td colspan="2">15" extension kit is available as an accessory</td> </tr> </table>					17:28	12:25	2 blade, 6-1/8" diameter x 6-1/4" pitch	3 blade 8" diameter x 5-1/2" pitch		3 blade 8" x 4-1/2" optional	1/8" x 13/16" stainless steel		15"	15" and 20"	15" extension kit is available as an accessory	
17:28	12:25																
2 blade, 6-1/8" diameter x 6-1/4" pitch	3 blade 8" diameter x 5-1/2" pitch																
	3 blade 8" x 4-1/2" optional																
1/8" x 13/16" stainless steel																	
15"	15" and 20"																
15" extension kit is available as an accessory																	

*Brake horsepower certified by O.B.C.



5 HP SPECIFICATIONS

MODEL	LD-12	LDL-12
WEIGHT (less fuel tank)	43 lbs.	43-1/2 lbs.
. Weight of fuel tank (empty)	11 lbs.	
POWER HEAD	Two cylinder, two cycle, alternate firing, two port automatic intake	
. Engine type	5.0	
. Certified horsepower*	3500 - 4500 RPM	
. Full throttle operating range	8.84 cubic inches	
. Piston displacement	1-15/16" x 1-1/2"	
. Bore and stroke	Available standard and .020" oversize. (See Parts Catalog.)	
. Piston less rings	3 per set Available standard and .020" oversize. (See Parts Catalog.)	
. Piston rings	1.9375" (standard)	
. Diameter of ring	.0935" - .0925"	
. Width of ring	2 - 4 lbs.	
. Pressure required to compress ring		
. Crankshaft size		
. . top journal	.8080" - .8075"	
. . center journal	.8080" - .8075"	
. . bottom journal	.8080" - .8075"	
. Connecting rod crankpin	.6690" - .6685"	
FUEL SYSTEM	Single barrel, float feed, low speed adjustment. Manual choke.	
. Carburetion	Parallel with rim of casting carburetor inverted, needle valve closed.	
. Float level setting	.041 hole size	
. Carburetor orifice plug	.053" - .050" Use a #55 drill as gage.	
. Inlet needle seat	6 U.S. gallons, suction type tank	
. Fuel tank capacity	Crankcase pressure oscillated diaphragm type with filter	
. Fuel pump		
IGNITION SYSTEM	Flywheel magneto	
. Ignition	.020"	
. Breaker point gap	.18 - .22 mfd.	
. Condenser capacity	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm	
. Spark plug	.030"	
. Spark plug gap		
SPEED CONTROL	Lever - synchronize throttle and spark	
STEERING	Handle - 360° pivot	
COOLING SYSTEM	Combination positive displacement centrifugal pump. Thermostat available as an accessory.	
STARTER	Manual rope, self re-wind, gear drive. Emergency rope.	
LOWER UNIT	Direct, forward gear only	
. Drive	12:25	
. Gear ratio	3 blade, 8" diameter x 7-1/2" pitch	
. Propeller	1/8" x 1-1/4" stainless steel	
. Propeller drive pin	15"	20"
. Transom height	15" extension kit is available as an accessory	

*Brake horsepower certified by O.B.C.



6 HP SPECIFICATIONS

MODEL	CD-24	CDL-24
WEIGHT (less fuel tank)	51 lbs.	52 lbs.
. Weight of fuel tank (empty)	11 lbs.	
POWER HEAD	<p>Two cylinder, two cycle, alternate firing, two port automatic intake</p> <p>6.0</p> <p>4000 - 5000 RPM</p> <p>8.84 cubic inches</p> <p>1-15/16" x 1-1/2"</p> <p>Available standard and .020" oversize. (See Parts Catalog.)</p> <p>3 per set Available standard and .020" oversize. (See Parts Catalog.)</p> <p>1.9375" (standard)</p> <p>.0935" - .0925"</p> <p>2 - 4 lbs.</p> <p>.8080" - .8075"</p> <p>.8080" - .8075"</p> <p>.8080" - .8075"</p> <p>.6690" - .6685"</p>	
<p>POWER HEAD</p> <ul style="list-style-type: none"> . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crankpin 		
FUEL SYSTEM	<p>Single barrel, float feed, low speed adjustment. Manual choke.</p> <p>Parallel with rim of casting. Carburetor inverted, needle valve closed.</p> <p>.041 hole size</p> <p>.053" - .050" Use a #55 drill as gage.</p> <p>6 U.S. gallon suction type tank</p> <p>Crankcase pressure oscillated diaphragm type with filter</p>	
<p>FUEL SYSTEM</p> <ul style="list-style-type: none"> . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump 		
IGNITION SYSTEM	<p>Flywheel magneto</p> <p>.020"</p> <p>.18 - .22 mfd.</p> <p>AC-MA2K, Champion J4J, Auto-Lite A21X - 14mm</p> <p>.030"</p>	
<p>IGNITION SYSTEM</p> <ul style="list-style-type: none"> . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap 		
SPEED CONTROL	Twist grip on steering handle, synchronized throttle and spark	
STEERING	Handle - adaptable to remote control	
COOLING SYSTEM	Combination positive displacement centrifugal pump with thermostat control in power head.	
STARTER	Manual rope, self re-wind, gear drive. Emergency rope.	
LOWER UNIT	<p>Forward, neutral, reverse, manual shift. Remote control available as an accessory.</p> <p>15:26</p> <p>2 blade, 8" diameter x 7-1/4" pitch</p> <p>3/16" x 7/8" stainless steel</p>	
<p>LOWER UNIT</p> <ul style="list-style-type: none"> . Drive . Gear ratio . Propeller . Propeller drive pin . Transom height 	15"	20"

*Brake horsepower certified by O.B.C.



9-1/2 HP SPECIFICATIONS

MODEL	MQ-13	MQL-13
WEIGHT (less fuel tank) . Weight of fuel tank (empty)	60 lbs. 11 lbs.	61 lbs.
POWER HEAD . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress rings . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crank pin	Two cylinder, two cycle, alternate firing, two port automatic intake 9.5 4000 - 5000 RPM 15.2 cubic inches 2-5/16" x 1-13/16" Available standard, .020" and .040" oversize. (See Parts Catalog.) 3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.) 2.3125" (standard) .0935" - .0925" 3 - 5 lbs. .8125" - .8120" .8118" - .8113" .8125" - .8120" .8118" - .8113"	
FUEL SYSTEM . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump	Float feed, low speed adjustment, manual choke. Parallel with rim of casting. Carburetor inverted, needle valve closed. .048 hole size. Use a #56 drill as gauge. .065" - .062" Use a #52 drill as gauge. 6 U.S. gallon suction type tank Crankcase pressure oscillated diaphragm type with filter	
IGNITION SYSTEM . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap	Flywheel magneto .020" .18 - .22 mfd. AC-M42K, Champion J4J, Auto-Lite A21X - 14mm .030"	
SPEED CONTROL	Twist grip on steering handle, synchronize throttle and spark. Adaptable to remote control.	
STEERING	Handle - adaptable to remote control	
COOLING SYSTEM	Combination positive displacement centrifugal pump with thermostat control in power head.	
STARTER	Manual rope, self rewind, gear drive. Emergency rope.	
LOWER UNIT . Drive . Gear ratio . Propeller . Propeller drive pin . Transom height	Forward, neutral, reverse, manual shift. Remote control available as an accessory. 13:23 3 blade 8-1/4" diameter x 8-1/2" pitch 3/16" x 1-25/64" stainless steel 15" 20"	

*Brake horsepower certified by O.B.C.



20 HP SPECIFICATIONS

MODEL	FD-20	FDL-20
WEIGHT (less fuel tank) . Weight of fuel tank (empty)	79 lbs. 11 lbs.	81 lbs.
POWER HEAD . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crank pin	<p>Two cylinder, two cycle, alternate firing, two port automatic intake 20.0 See Propeller Selection Chart 22 cubic inches 2-1/2" x 2-1/4" Available standard, .020" and .040" oversize. (See Parts Catalog.) 3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.) 2.500" (standard) .0935" - .0925" 3 - 5 lbs.</p> <p>1.0000" - .9995" 1.0000" - .9995" 1.0000" - .9995" 1.0005" - 1.0000"</p>	
FUEL SYSTEM . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump	<p>Single barrel, float feed, low speed adjustment, manual choke Parallel with rim of casting. Carburetor inverted, needle valve closed. .064 hole size .053" - .050" Use a #55 drill as gage. 6 U.S. gallon suction type tank Crankcase pressure oscillated diaphragm type with filter</p>	
IGNITION SYSTEM . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap	<p>Flywheel magneto .020" .25 - .29 mfd. AC-M42K, Champion J4J, Auto-Lite A21X - 14mm .030"</p>	
SPEED CONTROL	Twist grip on steering handle, synchronized throttle and spark. Adaptable to remote control.	
STEERING	Handle - adaptable to remote control	
COOLING SYSTEM	Combination positive displacement centrifugal pump with thermostat control in power head	
STARTER	Manual rope, self rewind, ratchet and pawl. Emergency rope. Electric starter available as an accessory.	
LOWER UNIT . Drive . Gear ratio . Propeller supplied with motor . . optional . . optional . Propeller drive pin . Transom height	<p>Forward, neutral, reverse, manual shift. Remote control available as an accessory. 12:21 Blade Diameter Pitch 3 9" x 10-1/2" 3 9" x 9" 3 9" x 10" (weedless) 9-1/4" x 11" (optional) 3-3/16" x 1-3/8" stainless steel</p>	
	15"	20"

*Brake horsepower certified by O.B.C.

33 HP SPECIFICATIONS

MODEL	RX-15	RXL-15	RXE-15	RXEL-15
WEIGHT (less fuel tank) Weight of fuel tank (empty)	127 lbs. 11 lbs.	131 lbs.	140 lbs.	144 lbs.
POWER HEAD Engine type . Certified horsepower* . Full throttle range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crankpin	Two cylinder, two cycle, alternate firing, two port automatic intake 33.0 See Propeller Selection Chart 40.5 cubic inches 3-1/16" x 2-3/4" Available standard, .020" and .040" oversize. (See Parts Catalog.) 3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.) 3.0625" (standard) .0935" - .0925" 6 - 9 lbs. 1.2500" - 1.2495" 1.0000" - .9995" 1.0000" - .9995" 1.1828" - 1.1823"			
FUEL SYSTEM . Carburetion . Float level setting . Inlet needle seat . Fuel tank capacity . Fuel pump	Single barrel, float feed, low speed and high speed adjustment Manual choke Electric choke Parallel with rim of casting. Carburetor inverted, needle valve closed. .065" - .062" 6 U.S. gallon suction type tank Crankcase pressure oscillated diaphragm type with filter			
IGNITION SYSTEM . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap	Flywheel magneto .020" .25 - .29 mfd. AC-M42K, Champion J4J, Auto-Lite A21X - 14mm .030"			
ELECTRICAL SYSTEM				10 amp DC generator is available as an accessory
SPEED CONTROL	Emergency throttle, synchronized throttle and spark. Remote control available as an accessory			
STEERING	Remote control or steering handle available as accessories			
COOLING SYSTEM	Combination positive displacement centrifugal pump			
STARTER	Manual rope, self rewind, ratchet and pawl type. Emergency rope.			12 volt electric
LOWER UNIT . Drive . Gear ratio . Propeller . . supplied with motor . . optional . . optional . . optional . Propeller drive pin . Transom height	Forward, neutral, reverse, manual shift. Remote control available as an accessory. 12:21 Blade Diameter Pitch 3 10-1/2" x 12" 3 10-3/8" x 11-1/2" 3 10-3/8" x 13-1/4" 3 10-3/8" x 14" 1/4" x 1-15/32" stainless steel 15" 20"			

*Brake horsepower certified by O.B.C.



40 HP SPECIFICATIONS

MODEL	RD-29	RDL-29	RDS-29	RDSL-29	RK-29	RKL-29
WEIGHT (less fuel tank)	132 lbs.	138 lbs.	143 lbs.	149 lbs.	154 lbs.	159 lbs.
. Weight of fuel tank (empty)	11 lbs.					
POWER HEAD . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crankpin	Two cylinder, two cycle, alternate firing, two port automatic intake 40.0 See Propeller Selection Chart 43.9 cubic inches 3-3/16" x 2-3/4" Available standard and .025 oversize. (See Parts Catalog.) 3 per set Available standard and .025 oversize. (See Parts Catalog.) 3.1875" (standard) .0935" - .0925" 7 - 10.4 lbs. 1.2500" - 1.2495" 1.0000" - .9995" 1.0000" - .9995" 1.1828" - 1.1823"					
FUEL SYSTEM . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump	Float feed, low speed adjustment Manual choke Automatic and manual choke with electric assist Parallel with rim of casting, carburetor inverted, needle valve closed. .064 hole size .065" - .062" Use a #52 drill as gage. 6 U.S. gallon suction type tank Crankcase pressure oscillated diaphragm type with filter					
IGNITION SYSTEM . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap	Flywheel magneto .020" .25 - .29 mfd. AC-M42K, Champion J4J, Auto Lite A21X - 14mm .030"					
ELECTRICAL SYSTEM				10 amp DC generator available as an accessory	10 amp DC generator furnished as standard equipment	
SPEED CONTROL	Emergency throttle synchronized with spark Remote control available as an accessory				Synchronized throttle and spark Remote shift and throttle control furnished with engine	
STEERING	Remote - not supplied with engine Steering handle available as an accessory			Steering handle not available		
COOLING SYSTEM	Combination positive displacement - centrifugal pump with thermostat control in power head					

*Brake horsepower certified by O.B.C.



60 HP SPECIFICATIONS

MODEL	VX-12	VXL-12	VXH-12	VXHL-12																									
WEIGHT (less fuel tank) . Weight of fuel tank (empty)	225 lbs. 11 lbs.	230-1/2 lbs.	230 lbs.	236 lbs.																									
POWER HEAD . Engine type . Certified horsepower* . Full throttle operating range . Piston displacement . Bore and stroke . Piston less rings . Piston rings . Diameter of ring . Width of ring . Pressure required to compress ring . Crankshaft size . . top journal . . center journal . . bottom journal . Connecting rod crankpin	<p>Four cylinder V block, two cycle, two port automatic intake. Firing order 1, 2, 3, 4.</p> <p>60.0</p> <p>See Propeller Selection Chart</p> <p>70.7 cubic inches</p> <p>3" x 2-1/2"</p> <p>Available standard, .020" oversize and .040 oversize. (See Parts Catalog.)</p> <p>3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.)</p> <p>3.000" (standard)</p> <p>.0935" - .0925"</p> <p>9 - 13 lbs.</p> <p>1.2658" - 1.2653"</p> <p>1.3752" - 1.3748"</p> <p>1.1815" - 1.1810"</p> <p>1.1819" - 1.1812"</p>																												
FUEL SYSTEM . Carburetion . Float level setting . Carburetor orifice plug . Inlet needle seat . Fuel tank capacity . Fuel pump	<p>Two barrel, down draft, float feed, low speed adjustment. Manual and electric choke.</p> <p>Parallel to and 1/4" from face of body - carburetor inverted, needle valve closed</p> <p>.072 hole size</p> <p>.081" - .084" Use a #45 drill as gage.</p> <p>6 U.S. gallon suction type tank</p> <p>Crankcase pressure oscillated diaphragm type with filter</p>																												
IGNITION SYSTEM . Ignition . Breaker point gap . Condenser capacity . Spark plug . Spark plug gap	<p>Automotive type distributor</p> <p>.020"</p> <p>.37 - .41 mfd.</p> <p>AC-M42K, Champion J4J, Auto-Lite A21X - 14mm</p> <p>.030"</p>																												
ELECTRICAL SYSTEM	6 ampere alternator																												
SPEED CONTROL	Synchronized throttle and spark																												
STEERING	Remote control only. Not supplied.																												
COOLING SYSTEM	Combination positive displacement - centrifugal pump with thermostat control in power head																												
STARTER	12 volt electric. Emergency starting rope.																												
LOWER UNIT . Drive . Gear ratio . Propeller . . supplied with motor . . optional . . optional . . optional . . optional . Propeller drive pin . Transom height	<p>Forward, neutral, reverse, manual shift. Remote control available as an accessory.</p> <table border="1"> <thead> <tr> <th></th> <th>20:23</th> <th>17:29</th> </tr> </thead> <tbody> <tr> <td>Blade Diameter Pitch</td> <td></td> <td></td> </tr> <tr> <td>. supplied with motor</td> <td>3 10" x 9-1/4"</td> <td rowspan="5">No propeller supplied - extra to be purchased by customer per dealer's selection for optimum performance</td> </tr> <tr> <td>. optional</td> <td>3 9-1/2" x 10"</td> </tr> <tr> <td>. optional</td> <td>3 10" x 11"</td> </tr> <tr> <td>. optional</td> <td>3 10" x 12"</td> </tr> <tr> <td>. optional</td> <td>3 10-1/4" x 10"</td> </tr> <tr> <td>Propeller drive pin</td> <td>9/32" x 2-5/32"</td> <td>5/16" x 1-7/8"</td> </tr> <tr> <td>Transom height</td> <td>15"</td> <td>20"</td> <td>15"</td> <td>20"</td> </tr> </tbody> </table>					20:23	17:29	Blade Diameter Pitch			. supplied with motor	3 10" x 9-1/4"	No propeller supplied - extra to be purchased by customer per dealer's selection for optimum performance	. optional	3 9-1/2" x 10"	. optional	3 10" x 11"	. optional	3 10" x 12"	. optional	3 10-1/4" x 10"	Propeller drive pin	9/32" x 2-5/32"	5/16" x 1-7/8"	Transom height	15"	20"	15"	20"
	20:23	17:29																											
Blade Diameter Pitch																													
. supplied with motor	3 10" x 9-1/4"	No propeller supplied - extra to be purchased by customer per dealer's selection for optimum performance																											
. optional	3 9-1/2" x 10"																												
. optional	3 10" x 11"																												
. optional	3 10" x 12"																												
. optional	3 10-1/4" x 10"																												
Propeller drive pin	9/32" x 2-5/32"	5/16" x 1-7/8"																											
Transom height	15"	20"	15"	20"																									

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80 HP SPECIFICATIONS

MODEL	V4S-18	V4SL-18	V4A-18	V4AL-18
WEIGHT (less fuel tank) <ul style="list-style-type: none"> Weight of fuel tank (empty) 	226-1/2 lbs.	232 lbs.	240-1/2 lbs.	246 lbs.
POWER HEAD <ul style="list-style-type: none"> Engine type Certified Horsepower* Full throttle operating range Piston displacement Bore and stroke Piston less rings Piston rings Diameter of ring Width of ring Pressure required to compress ring Crankshaft size <ul style="list-style-type: none"> top journal center journal bottom journal Connecting rod crank pin 	Four cylinder V block, two cycle, two port automatic intake. Firing order - 1, 2, 3, 4 80.0 See Propeller Selection Chart 89.5 cubic inches 3-3/8" x 2-1/2" Available standard, .020" and .040" oversize. (See Parts Catalog.) 3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.) 3.375" (standard) .0935" - .0925" 9.7 - 13.7 lbs. 1.2658" - 1.2653" 1.3752" - 1.3748" 1.1815" - 1.1810" 1.1828" - 1.1823"			
FUEL SYSTEM <ul style="list-style-type: none"> Carburetion Float level setting Carburetor orifice plug Inlet needle seat Fuel tank capacity Fuel pump 	Two barrel, down draft, float feed, low speed adjustment. Manual and automatic hot air with electric assist. Parallel to and 1/4" from face of body. Carburetor inverted, needle valve closed. .064" hole size .081" - .084" Use a #44 drill as gage 6 U.S. gallons suction type tank Crankcase pressure oscillated diaphragm type with filter			
IGNITION SYSTEM <ul style="list-style-type: none"> Ignition Breaker point gap Condenser capacity Spark plug Spark plug gap 	Distributor type magneto Battery with distributor .020" .37 - .41 mfd. AC-M42K, Champion J4J, Auto-Lite A21X - 14mm .030"			
ELECTRICAL SYSTEM	6 amp alternator		15 amp alternator	
SPEED CONTROL	Remote control available as an accessory		Remote control furnished as standard equipment	
	Synchronized throttle and spark			
STEERING	Remote control only. Control not supplied.			
COOLING SYSTEM	Combination positive displacement - centrifugal pump with thermostat control in power head.			

*Brake horsepower certified by O.B.C.



100 HP SPECIFICATIONS

MODEL	V4TL-13
WEIGHT (less fuel tank)	272-1/2 lbs.
. Weight of fuel tank (empty)	11 lbs.
POWER HEAD	
. Engine type	Four cylinder V block, two cycle, two port automatic intake. Firing order - 1, 2, 3, 4
. Certified horsepower*	100.0
. Full throttle operating range	See Propeller Selection Chart
. Piston displacement	89.5 cubic inches
. Bore and stroke	3-3/8" x 2-1/2"
. Piston less rings	Available standard, .020" and .040" oversize. (See Parts Catalog.)
. Piston rings	3 per set Available standard, .020" and .040" oversize. (See Parts Catalog.)
. Diameter of ring	3.375" (standard)
. Width of ring	.0935" - .0925"
. Pressure required to compress ring	9.7 - 13.7 lbs.
. Crankshaft size	
. . top journal	1.2658" - 1.2653"
. . center journal	1.3752" - 1.3748"
. . bottom journal	1.1815" - 1.1810"
. Connecting rod crankpin	1.1828" - 1.1823"
FUEL SYSTEM	
. Carburetion	Four barrel, float feed, low speed adjustment. Automatic hot air and manual choke. Electric assist.
. Float level setting	9/16" between float and point on each chamber bottom 5/16" in from front inside surface of chamber with casting inverted, float needle valves closed. Float gage available as special service tool. (See Special Tool Catalog.)
. Carburetor orifice plug	.065 hole size
. Inlet needle seat	.050" - .053" Use a #55 drill as gage.
. Fuel tank capacity	6 U.S. gallon suction type tank
. Fuel pump	Crankcase pressure oscillated diaphragm type with filter
IGNITION SYSTEM	
. Ignition	Transistorized capacitor discharge with distributor
. Spark plug	Champion L-19V
ELECTRICAL SYSTEM	15 ampere alternator
SPEED CONTROL	Remote control, synchronized throttle and spark
STEERING	Remote control only. Not supplied.
COOLING SYSTEM	Combination positive displacement - centrifugal pump with thermostat control.

*Brake horsepower certified by O.B.C.