



Maxwell Propulsion Systems, Inc.

19132 59th Drive NE
 Arlington, WA 98223
 Phone 360.474.8718 Fax 360.474.8299
 www.maxwellpropulsion.com



Features & Options

STANDARD EQUIPMENT	MX1 - 165 HP	MX2 - 195 HP	MX3 - 240 HP
EJ25 STI TURBO BLOCK	✓	✓	✓
EJ25 NORMALLY ASPIRATED HEADS	✓	✓	✓
AUTOFLIGHT PSRU	✓	✓	✓
TORSION DAMPENING	✓	✓	✓
SUBARU INTAKE MANIFOLD	✓	✓	✓
MPS THROTTLE BODY	✓	✓	✓
IGNITION SYSTEM	✓	✓	✓
GEARED STARTER (NEW)	✓	✓	✓
SINGLE ELECTRONIC IGNITION	✓	✓	✓
WIRING HARNESS	✓	✓	✓
OVER/UNDER VOLTAGE MONITOR	✓	✓	✓
50 AMP ALTERNATOR (REMAN'D)	✓	✓	✓
RETURNLESS DUAL FUEL SYSTEM	✓	✓	✓
AIRBOOT INSTALLATION	✓	✓	✓
CRANKCASE VENTILATION	✓	✓	✓
AIRBOOT INSTALLATION	✓	✓	✓
ASSEMBLY	✓	✓	✓
TEST RUN	✓	✓	✓
TURBO w/ EXT. WASTEGATE / FLANGES	✓	✓	✓
INTERCOOLER PACKAGE	✓	✓	✓
COOLING SYSTEM w/ DUAL RADIATOR	✓	✓	✓
TURBO EXHAUST	✓	✓	✓
OIL COOLING SYSTEM	✓	✓	✓
NORMALLY ASPIRATED	✓		
COOLING SYSTEM w/ PLENUM	✓		
DUAL EXHAUST	✓		
ENGINE AND EQUIPMENT OPTIONS			
DUAL IGNITION	✓	✓	✓
MPS PSRU	✓	✓	✓
ENGINE BREAK-IN ON DYNO	✓	✓	✓
DYNO TEST RESULT PACKAGE	✓	✓	✓
110 AMP ALTERNATOR	✓	✓	✓
TRIGGER WHEEL AND DUAL SENSORS	✓	✓	✓
COCKPIT HEATER SYSTEM	✓	✓	✓
FOUR POINT MOUNTING SYSTEM	✓	✓	✓
ATTACHMENT FRAME			
RV 6 / 7 / 9 SPORTSMAN / GLASTAR	✓	✓	✓
FIREWALL BLANKET			
RV 6 / 7 / 9 SPORTSMAN / GLASTAR	✓	✓	✓
PROPELLER OPTIONS			
MPS CAP 220 - IN FLIGHT ADJUSTABLE	✓	✓	
VARI-PROP - VP1 SERIES 3-BLADE		✓	✓
VARI-PROP - VP1 SERIES 2-BLADE	✓		
CUSTOM PAINTED SPINNER	✓	✓	✓



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DO THE COMPARISONS

Cost of Ownership

100 HOUR COST	O-360	MX1 EJ 25	Advantage MPS
Acquisition	\$27,000	\$20,115	\$6,885
Oil Consumption			
Aviation oil (20 qts/100 hrs. @ \$5/qt)	\$100		
10-50 wt (\$2.00 / qt)		\$2	\$98
Fuel Consumption			
100 LL @ \$6.04 / gallon / 8 gph	\$4,832		
87 Octane @ \$4.00 / gallon / 7 gph		\$2,800	\$2,032
Oil changes			
@ 50 hours x 2	\$80		
@ 50 hours x 2		\$24	\$56
Overhaul Reserve Estimate			
Cost \$17,700 @ 2000 hours	\$885		
Cost \$5,000 @ 1500 hours		\$333	\$552
TOTAL COST OF OWNERSHIP / 100 HRS	\$32,897	\$23,274	
MPS Cost Advantage:			\$9,623

Engine Weight

MX1 Engine Package / Dual Electronic Ignition / Cockpit Adj Propeller		
COMPONENT:	POUNDS	TOTALS
EJ25 STI Turbo Long Block with Mounting, Intake, Coil, Fuel Rails, Starter, Airboot	204.0	
MX1 Geared PSRU <i>Autoflight PSRU weighs 48 pounds</i>	72.0	
100 amp Alternator, Alternator Bracket, Pulley, Belts, Hardware	9.0	
Sportsman Frame	7.0	
Radiator and Plenum, Hoses, Expansion Tank, Overflow Bottle	17.0	
Oil Cooler and Lines	4.5	
Fuel System with Mounting Brackets	11.0	
Exhaust	9.0	
Electrical Harness	5.0	338.5
CAP 220 Propeller and Spinner	28.0	
Sportsman Cowling	20.0	51.0
Engine and Transmission Oil	8.8	
Water and Antifreeze	12.0	20.8
TOTAL ESTIMATED WEIGHT MX1 ENGINE PACKAGE		410.3
Lycoming O-360		413.8
Hartzel Constant Speed Prop 80"		60.3
TOTAL ESTIMATED WEIGHT LYCOMING IO-360		474.0
MPS Weight Advantage		63.7