



RAF2000

MILES ABOVE THE REST

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RAF 2000 GYROPLANE SPECIFICATIONS

RAF 2000 GYROPLANE	RAF 2000 GTX SE	RAF 2000 GTX SE FI	RAF 2000 GTX SE FI
Length:	13.6 FEET	13.6 FEET	13.6 FEET
Height:	8.5 FEET	8.5 FEET	8.5 FEET
Width:	5.0 FEET	5.0 FEET	5.0 FEET
Aircraft Dry Weight:	790 LBS	790 LBS	810 LBS
Payload:	750 LBS	750 LBS	730 LBS
Gross weight can be set as high as Category Weight	1540 LBS	1540 LBS	1540 LBS
ENGINE	EJ 2.2 ENGINE CARBURETOR	EJ 2.2 ENGINE FUEL INJECTED	EJ 2.5 ENGINE FUEL INJECTED
Manufacturer:	SUBARU	SUBARU	SUBARU
Displacement:	2200 cc	2200 cc	2200 cc
Horsepower:	130 HP	130 HP	165 HP
Cooling:	LIQUID COOLED	LIQUID COOLED	LIQUID COOLED
Ignition:	CRANKED TRIGGERED (CTI), SINGLE ELECTRONIC, SINGLE SPARK PLUG / CYLINDER CARBURETED VERSION ONLY	ELECTRONIC, COMPUTER CONTROLLED, SINGLE SPARK PLUG / CYLINDER	ELECTRONIC, COMPUTER CONTROLLED, SINGLE SPARK PLUG / CYLINDER
TWIN IGNITION AVAILABLE			
REDUCTION UNIT			
Manufacturer:	RAF	RAF	RAF
Type:	HTD COG BELT	HTD COG BELT	HTD COG BELT
Ratio:	2.10 TO 1	2.10 TO 1	2.10 TO 1
PROPELLER	COMPOSITE	COMPOSITE	COMPOSITE
Manufacturer:	WARP DRIVE	WARP DRIVE	WARP DRIVE
# of blades:	3	3	4
Diameter:	68 INCHES	68 INCHES	66 INCHES
Pitch:	GROUND ADJUSTABLE	GROUND ADJUSTABLE	GROUND ADJUSTABLE
ROTAR BLADE			
Manufacturer:	RAF	RAF	RAF
Rotor Span:	30 FOOT	30 FOOT	30 FOOT
Blade Cord:	8 1/2 INCHES	8 1/2 INCHES	8 1/2 INCHES
Materials:	COMPOSITES ALLUMINIUM SPAR FOAM CORE	COMPOSITES ALLUMINIUM SPAR FOAM CORE	COMPOSITES ALLUMINIUM SPAR FOAM CORE
ACTUAL DISC LOADING			
Take-off weight when set at Category Weight	2.18 LBS./FT ²	2.18 LBS./FT ²	2.18 LBS./FT ²
FUEL CAPACITY	25 US GALLONS	5 US GALLONS	25 US GALLONS
Endurance (1/2 HR RESERVE)	4.1 HRS	4.6 HRS	3.3 HRS
Fuel Consumption (80% OR 4200 RPM)	5.3 US GALLONS/HR	4.8 US GALLONS/HR	6.5 US GALLONS/HR
Unusable fuel:	1/2 GALLON	1/2 GALLON	1/2 GALLON
Approved Fuel:	PREMIUM AUTO-GAS	PREMIUM AUTO-GAS	PREMIUM AUTO-GAS
Grades:	91-93 OCTANE	91-93 OCTANE	91-93 OCTANE
PERFORMANCE	2.2 CARB	2.2 FI	2.5 FI
Minimum speed (MIN. ALTITUDE 300FT)	20-25 MPH	20-25 MPH	20-25 MPH
Cruise Speed	70-80 MPH	70-80 MPH	90 MPH
Recommended VNE	100 MPH	100 MPH	100 MPH
Maximum Speed	120 MPH	120 MPH	140 MPH
Stall Speed	N/A	N/A	N/A
Take-off Air Speed	30-35 MPH	30-35 MPH	30-35 MPH
Take-off Roll (SINGLE OCCUPANT)	0-75 FEET	0-75 MPH	0-75 MPH
Landing Roll	0-10 FEET	0-10 FEET	0-10 FEET
Rate of Climb	1200 FPM	1200 FPM	1500-2000 FPM
RAF GYROPLANE KIT PRICE	\$ 36,755	\$ 40,905	\$ 45,105
Note: - Performance optimum at sea level and dependant on wind - RAF 2000 gyroplane requires flight training - Prices & specs subject to change without notice			

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