

JT-5B Specifications:

Dimensions:

Rotor Diameter 7.0 m (23 ft)
 Length 3.55 m (11 ft 5.3 in)
 Height 2.05 m (6 ft 7 in)

Areas:

Horizontal Stabiliser 0.82 sqm (8.82 sqft)
 Vertical Stabilisers 0.73 sqm total (7.85 sqft)
 Rudder 0.31 sqm (3.3 sqft)

Weights:

Emty Weight 165 kg (367 lb)
 Gross Weight 280 kg (622 lb)

Power Plant:

Engine: 1700-2000 ccm VW, 70-80 hp recommended
 Propeller Diameter 1300 mm (51.2 in)
 Pitch, adjust to give 2800.....3200 rpm
 Static Thrust Requirement, minimum 1300 N (290 lb)

Rotor:

Rotor rpm range 380-400 rpm
 Prerotator 5 hp to give 250-300 rpm for rotor
 Rotor Brake included

JT-5B is a development of the JT-5 autogyro I designed and built 1969-1973. The main differences are a 100 mm bigger propeller diameter for better propeller efficiency and a lighter rotor head.

Scale: 1:10

Construction:

Rotor Blades:

Fiberglass sandwich construction
 Polyurethane or PVC foam in trailing edge
 Full span lead weights in leading edge

Fuselage:

Fiberglass/epoxy/honeycomb sandwich construction (vacuum bag method)
 Load carrying structure of 4130 welded steel tubing.

Tail Surfaces:

Fiberglass/honeycomb and plastic foam sandwich construction. Carbon fiber used in vertical and horizontal tail spars.

Propeller:

All fiberglass/epoxy

Landing Gear:

Fiberglass/epoxy springs

This dimension greatly depends on the weight of the cockpit, canopy, instruments and other equipment forward of CG. Therefore, check the CG position before final welding of the rotor mast end fittings.

Rudder Pedal Adjustm.
 Throttle
 Prerotator Lever
 Wheel Brake
 Control Lock
 Ventilation
 Canopy Latch

Scale: 1:5

Roll Control Stops $\pm 8^\circ$

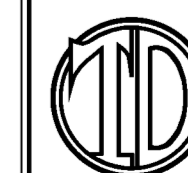
8°

Rotor control Stops $\pm 10^\circ$

Blade Flapping Stops $\pm 8^\circ$

Scale: 1:10

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Signature	Date	Version
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AUTOGYRO JT-5B
 General View

Scale
 1:5
 1:10

Projection

No:01