

Anhui Fiate Aviation Co., Ltd. Compact Radial Engines Inc.

MZ34



The MZ34 is a free air cooled, reed valve controlled single-cylinder-2-stroke engine with one carburetor and Nikasil coated cylinder. It has one of the highest power to weight ratio available on the 30 HP engine market. Lots of high end torque gives this engine outstanding flying capability. Tuned exhaust ensures maximum power and quiet operation. The MZ34 weighs a mere 19kg (42 lbs) including muffler and belt reduction. All models are supplied complete with recoil starter and exhaust system. It is designed for powered paragliding applications (PPG), single or two place PPG trikes, single place HG trikes and single place ultralight planes.

Technical Data (Subject to changes)

Type:	Single cylinder two stroke
Displacement:	313 cm ³ (19.1cu in)
Stroke:	69 mm (2.72 in)
Bore:	76 mm (2.99 in)
Max. performance:	22.1 kW (30HP) at 6250 rpm
Max. torque:	35 Nm (25.8 ft.lb) at 4500 rpm
Carburation:	1 Tillotson carburetor
Ignition System:	Single ignition
Generator power:	90W, 13.8 V
Cooling:	Free air cooling
Weight:	19 kg (42 lbs)
Starting device:	Recoil starter
Running direction:	Counter-clockwise, view to output shaft
Fuel mixture:	Mixture 1:50, 2-stroke-oil, fuel min. 95# (RON)

Options

- Belt reduction
(1.84:1, 2.05:1, 2.14:1, 2.24:1, 2.34:1)
- Electric starter
- Dual ignition

