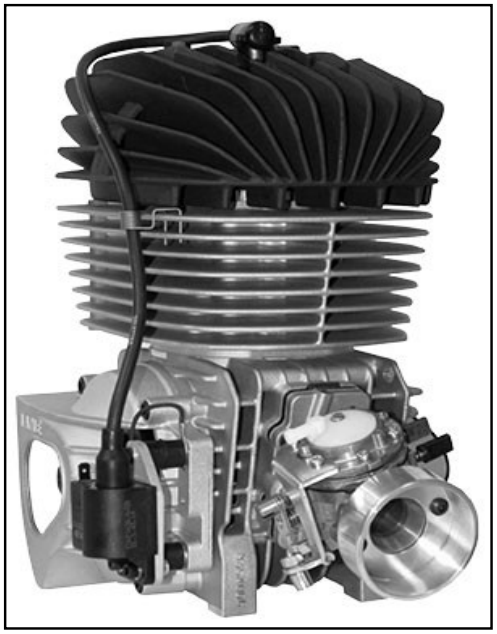
IAME KA100 Reedjet 100cc Air Cooled Engine



Technical Features

Class	KA Junior, KA Senior, Clubman, National
Engine type	OTTO / 2-stroke single cylinder
Bore	Ø48.20mm - Ø48.53mm max.
Stroke	54.00mm
Displacement	98.53cc - 100.00cc max.
Max. power	22.0hp @ 10,250rpm (unrestricted 13.0hp @ 9,500rpm (restricted)
Max. torque	15.0Nm @ 9,750rpm (unrestricted) 9.0Nm @ 9,000rpm (restricted)
Inlet system	Reed valve in the crankcase
Lubrication	Fuel/oil mixture 5%
Ignition	Analogue with adjustable advance
Starting	On board electric starter
Clutch	3-mass centrifugal dry

Air cooled and complete with:

Ignition with H.T. coil

Inlet silencer (Airbox with filter)

Lateral cockpit for pushbuttons

Centrifugal clutch assembly with z11 interchangeable sprocket

Exhaust manifold (inc. exhaust manifold restrictor)

One-piece exhaust muffler, with integrated silencer

Inlet silencer (Airbox with filter)

Reinforced wiring loom with pushbuttons

NGK BR10EG spark plug with resistive cap

TILLOTSON HL-398A Ø23mm carburettor (expressly designed for this engine)

One-piece exhaust muffler, with integrated silencer

Engine weight complete with accessories: 22kg approx.

Suggested Maintenance Intervals - IAME KA100 Reedjet

COMPONENT	WEAR LIMIT	EXPECTED LIFE TIME (operation time)
Complete piston + con-rod small end cage	Piston/liner Clearance higher than 0.14mm	20 hr -
Con-rod big end cage	Visual check - Respect lifetime	60 hr -
Con-rod	Con-rod big end ovalization higher than 0.01mm	Check 60 hr, replace 120 hr
Main bearings	Max clearance between crankshaft and bearing 0.05mm	60 hrs -
Half crankshaft (drive side)	Max clearance between crankshaft and bearing 0.05mm	Check after 60 hr
Half crankshaft (ignition side)	Max clearance between crankshaft and bearing 0.05mm	Check after 60 hr
Crankcase oil seal	Check status	60 hr -
Clutch hub	Outer shoes diameter lower than 83mm	Check after 40 hr
Clutch drum	Inner diameter higher than 85.2mm	Check after 80 hr