

AUROA®

Fully assembled, 2 seat, turbine powered helicopter

Specs and information as at July 2012 (Please note this information is current at time of printing and subject to change.)

STANDARD EQUIPMENT INCLUDES:

Engine

T62 turbine rated at 160 hp

Air particle separator

Dual engine control with FADEC and data download

Instrumentation

Rotor and engine dual tachometer

Altimeter

Airspeed indicator

Vertical speed indicator

Torque meter

EGT gauge

Compass

Gyro directional indicator

Clock

Fuel gauge

Hour meter

Transceiver

Transponder (Mode S)

Intercom

Ipod connection

12v adapter/charger

GPS

Integrated switch and circuit breaker panel

Warning lights

Strobe

ELT 406 khz

Fire extinguisher

First aid kit

Optional equipment

Cabin heater

Leather seats

EFIS screen(to be used with 3 primary analogue flight gauges)

Interior

Cloth seats (Black, grey, red or blue)

4 point safety harness

Door vents

2 x storage compartments

Dual controls (removable)

Adjustable pedals

'Bubble' doors

Lined interior

Exterior

Entry steps

Opening rear cowling

2 x luggage compartments

Essentials

Mobility wheels

Blade tie downs

Engine cover

Paperwork

Pilots operating manual

Maintenance manual

Logbooks (engine, airframe, blades)

PURCHASE AND OPERATING COSTS AND CONSIDERATIONS

Purchase price of standard AUROA model: NZ \$250,000-270,000 + any applicable taxes

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Fixed annual costs

Depreciation (rates vary worldwide)

Insurance (this pricing is an indication only, based on a pilot with a minimum of 200 PIC hours, who has a good safety record and has completed Auroa Helicopters Ltd maintenance and safety training)

Liability insurance at 0.75% \$1,875

Hull insurance at 2% \$5,000

Subtotal \$6,875

Reserve for overhaul

Though the AURORA body parts have an infinite fatigue life a conservative approach is taken (indicative figures per flight hour)

Engine overhauled ex-factory at 2000 hrs \$7.50

Main rotor blades at 3000hrs \$7.35

Airframe and other components assumed at exchange or Replacement at 2000 hrs \$12.75

Labour 120 hrs at \$85/hr (assuming factory rebuild) \$5.10

Subtotal \$32.70

Direct operating costs

Fuel 48 litres/hr at NZ \$1.60/l \$76.80

Oil 0.02 l/hr \$0.20

Periodic inspections (assuming work is outsourced) Includes oil, filter and labour \$7.50

Unscheduled maintenance assumed at 0.04hr/flt hr \$3.40

Subtotal \$87.90

Total operating costs

Fixed cost per flight hour based on 500 hrs/year \$13.75

Overhaul reserve per hour \$32.70

Direct costs per hour \$87.90

Total operating costs per hour \$134.35

Note: While under the NZ registration and also being in the Microlight category a small amount of maintenance can be performed by the owner. Annual inspections will need to be performed by a New Zealand Civil Aviation Authority approved LAME.

PERFORMANCE SPECIFICATIONS

Empty weight	310kgs	MAUW	544kg's (microlight class, Design MAUW 600kg's)
VNE	90kts	Cruise	80kts
Rate of climb	over 1200ft/min	Endurance	2 hours
Fuel type	Jet A1		
Hover OGE	over 6000ft	Hover IGE	over 7000ft