

EAGLE
PRODUCT DEVELOPMENT



EAGLE
INGLE

EAGLE Single

The EAGLE Single is a new entrant into the Bell Medium Lift helicopter market. This program, by virtue of a 9 passenger Supplemental Type Certificate approval process, will convert the venerable Bell 212 helicopter from a twin engine to a single engine application.

While maintaining the Type Certificate of the Bell 212, owners and operators alike will enjoy the inherent benefits of the Bell 212 such as the 11,200 lb Gross Weight limitation, common Bell 212 part numbers, dual hydraulics, enhanced 212 airframe structure and the availability of the aftermarket accessories commonly found on today's working machines.

As a by-product of the conversion, the EAGLE Single will have a resulting loss of weight from removing one engine, the original heavy avionics and associated wiring producing a medium helicopter in the 5,700 lb empty weight range.

While performance of the machine alone will set a new standard, there are additional benefits from the program. Traditional cost of operation will be reduced allowing for more operating profits. Reliability will be enhanced by incorporating modern day avionics and upgrades to the instrument panel, fuel panel, and collective head design. As a partner with Honeywell, there is an option for a factory new T53-17BCV engine.

The EAGLE Single has been designed and is now poised to be the helicopter of choice in the medium lift market. An all-commercial helicopter ensuring lasting value, product support, part commonality, aftermarket accessories availability, and unmatched performance. Currently certified in Canada, USA, Australia, Chile, Peru and Indonesia.

Helicopter Specifications

ENGINE

Manufacturer	Honeywell
Model	T5317BCV
Weight, lbs	540
Length, in	47.60
Width, in	23.00

POWER RATING

Uninstalled, sea level,shp 1800

TRANSMISSION RATING

Takeoff, shp	1290
Max Continuous, shp	1130

PERFORMANCE

Service Ceiling, Hp, ft	20,000
HIGE, ft, MGW, SL	7,800
HIGE, ft, ISA +20deg	6,800
ROC, fpm, 65 KIAS	1420
Econ Cruise, S/L, kts	110
Vne, kts	130

EXTERNAL DIMENSIONS

Length, Fuselage, ft	42.40
Length, T/R Turning, ft	45.93
Length, Both Turning, ft	57.28
Width, Fuselage, ft	8.00
Width, Widest Point, ft	9.38
Width, Landing Gear, ft	8.67
Height, Top, Rotor Hub, ft	12.83
Height, Top, T/R Arc, ft	15.75
Height, Top, Tail Fin, ft	11.52
Gr Clearance, T/R Guard, ft	5.75

INTERNAL DIMENSIONS

	Cabin	Baggage
Length, Max, ft	7.67	7.09
Width, Max, ft	8.00	1.74
Height, Max, ft	4.33	2.26
Volume, ft3	220.00	28.00

WEIGHTS

Max Gross, lbs	11,200
Empty, lbs, Mission Typical	5,990
Useful load, lbs	5,210
External Load, lbs	5,000
Gross with Ext Load, lbs	11,200

FUEL CAPACITY

Standard tank	215 gals
Aux or Ferry tank	180 gals

AVG FUEL BURN

Gallons per hr (GPH)	70-75
GPH Per Seat	7.77-8.33

RANGE

Max Fuel, nm	336
Aux Fuel, No Res, nm	624
Endurance	3.07hrs
	Std Fuel, No Res

ROTOR SYSTEM

Main Rotor	2
Tail Rotor	2
Construction	Metal

PERFORMANCE

- Giving you more, with one less engine

INCREASED PAYLOAD CAPACITY

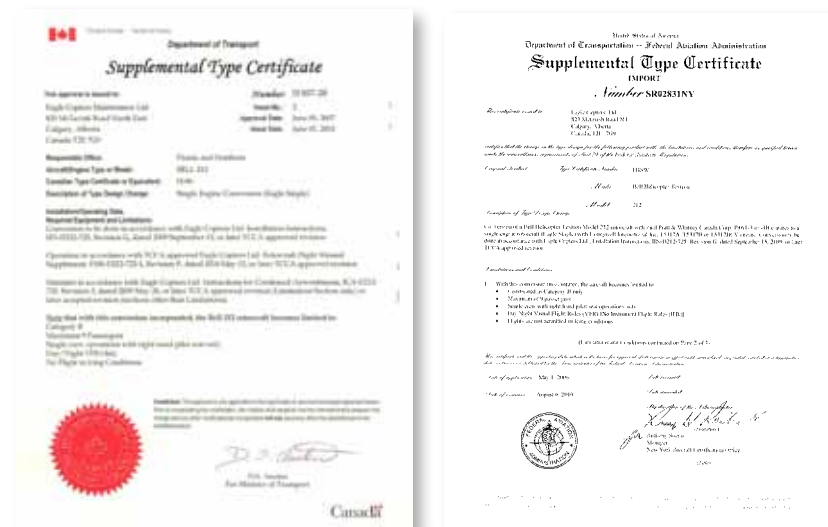
- Enjoy 212 Max Gross Weight allowance with lower empty weight

MAINTAINABILITY

- Uses current 205 & 212 Part numbers
- Easier inspections
- Lower Direct operating cost

VALUE PRICED

- Affordable alternative
- Configured to your specifications





EAGLE Single (single engine Bell 212) Typical Configuration

ACCESSORIES

Dual Controls
Bleed Air Heater
Cargo Hook
DART Cargo Mirror Kit
Co-Pilot External Cargo Hook Release
DART Bearpaws
DART Vertical Reference Door
DART Left Hand Seat STC
DART Shoulder Harness Kit
DART High Skid Gear
DART Cabin Door Roller Kit
DART Fuel Purge Canister

AVIONICS

Garmin GPS 155XL GPS/COM
King KY196A VHF Com
NAT AMS-42 Audio Panel
Garmin GTX-330 Transponder
Technisonic TFM550 FM Transceiver
DART Avionics Riser Console

COMPONENT TIME REMAINING

Engine T53-17BCV	5000
Fuel Control	2500
Governor	3000
Main Rotor Straps	1200
Main Rotor Blades	4000
Main Rotor Hub	2400
Transmission	6000
Servos	2500
Tail Rotor Hub	2500
Tail Rotor Blades	5000
42 Degree Gearbox	5000
90 Degree Gearbox	5000

INTERIOR – 9 place utility

Condition - New

EXTERIOR – To Customer Specifications

Condition - New

For More Information Call

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Innovative Helicopter Solutions

