





## PROGRAM OVERVIEW

"giving you more....with less"



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, a newly designed electric oil cooler blower, 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 and Peru.



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## SPECIFICATIONS

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### ENGINE

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

### POWER RATING

Uninstalled, sea level,shp	1800
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### TRANSMISSION RATING

Takeoff, shp	1290
Max Continuous, shp	1130

### PERFORMANCE

Service Ceiling, H <sub>p</sub> , 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, ft <sup>3</sup>	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

The data set forth on this document are general in nature and may vary with conditions. For performance data and operating limitations for any specific flight mission, reference must be made to the approved flight manual.



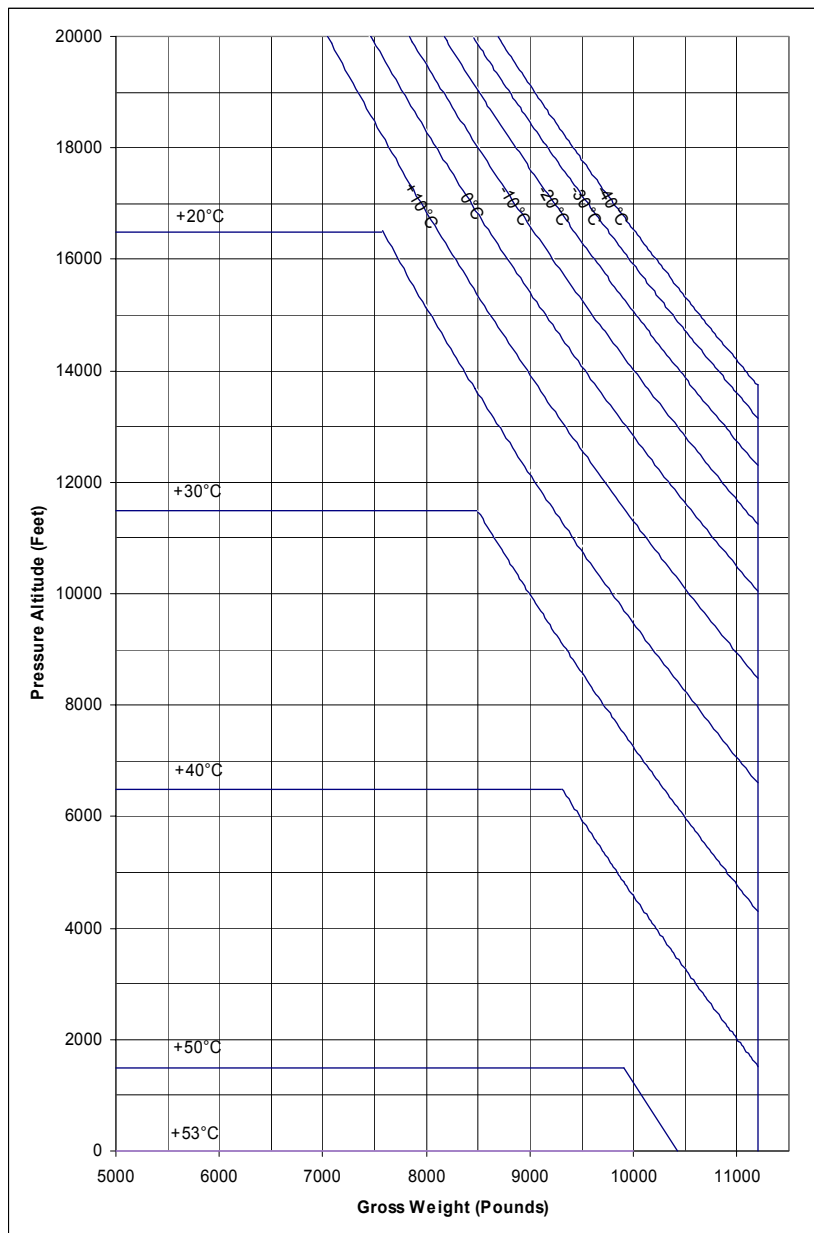
# IGE HOVER CEILING

“giving you more....with less”



4 Foot Skid Height  
Takeoff Power

De-Icing Off  
In Ground Effect





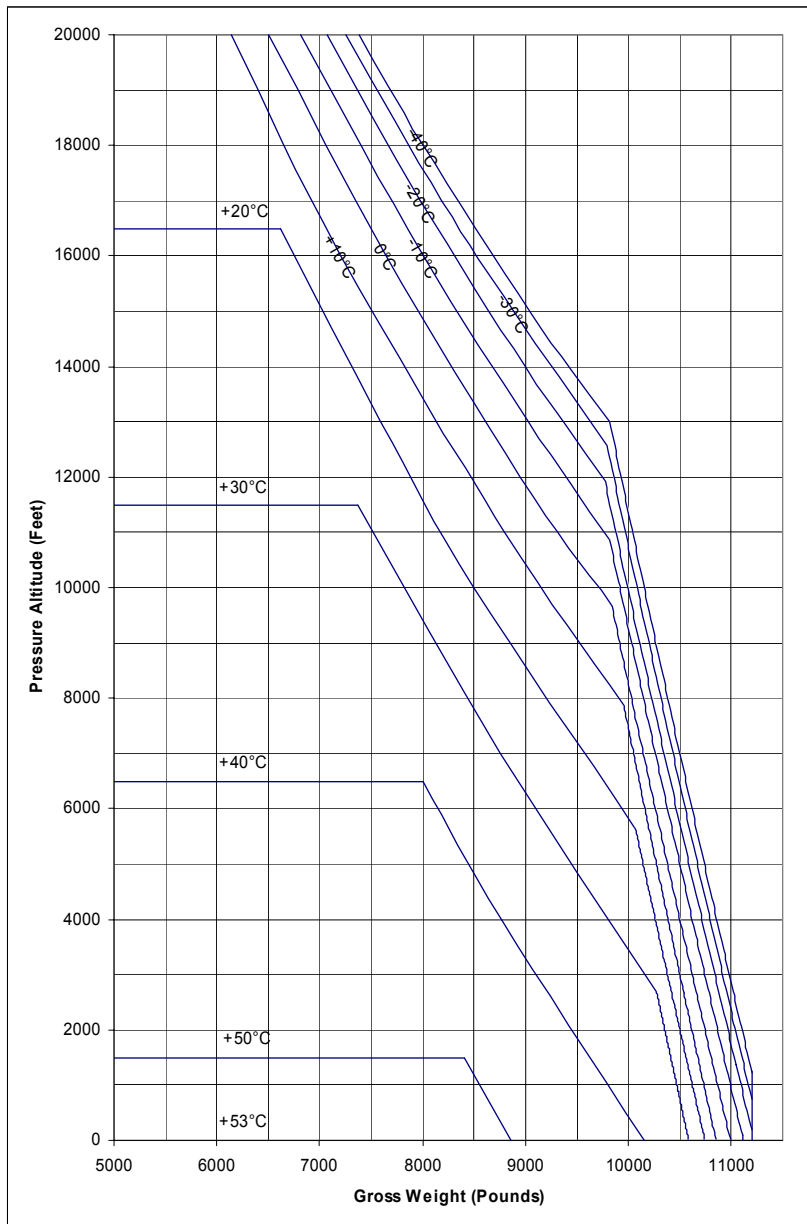
# OGE HOVER CEILING

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60 Foot Skid Height  
Takeoff Power

De-Icing Off  
Out of Ground Effect





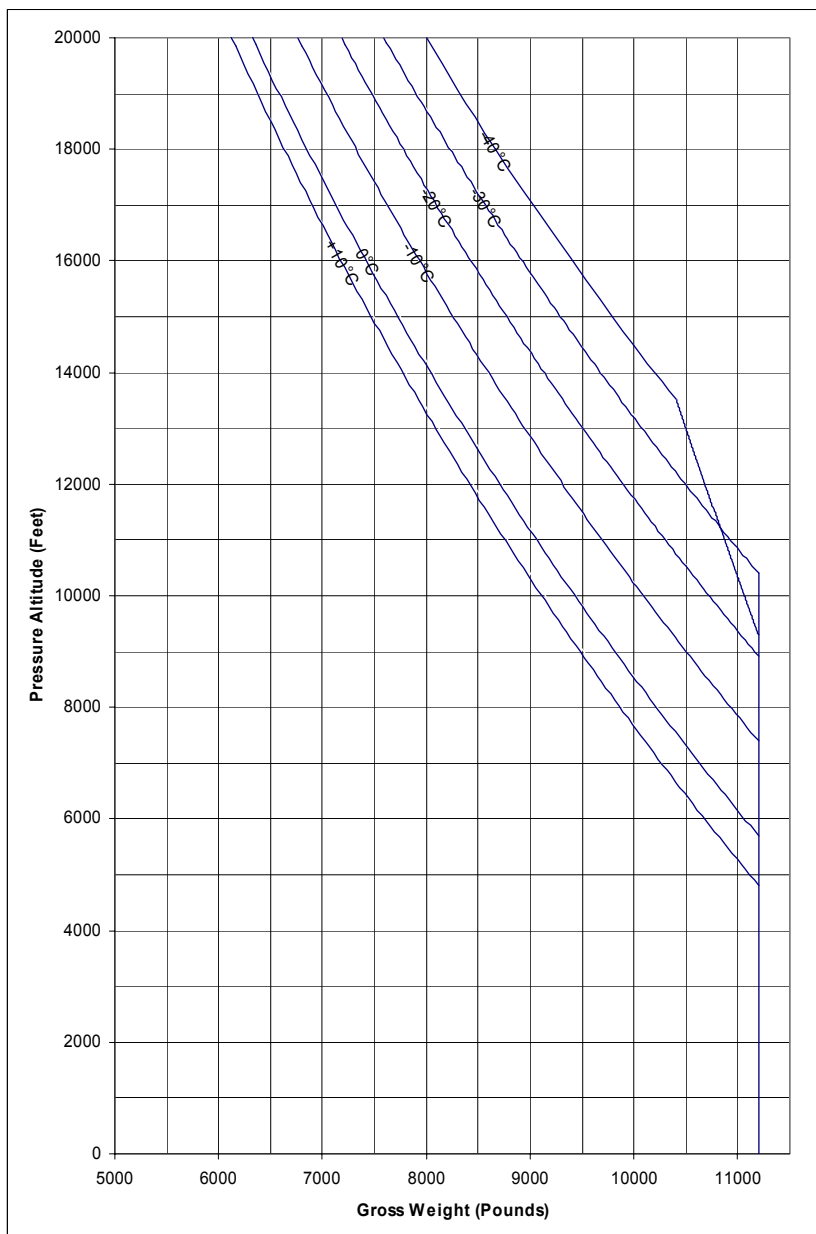
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4 Foot Skid Height  
Max Cont Power

De-Icing Off  
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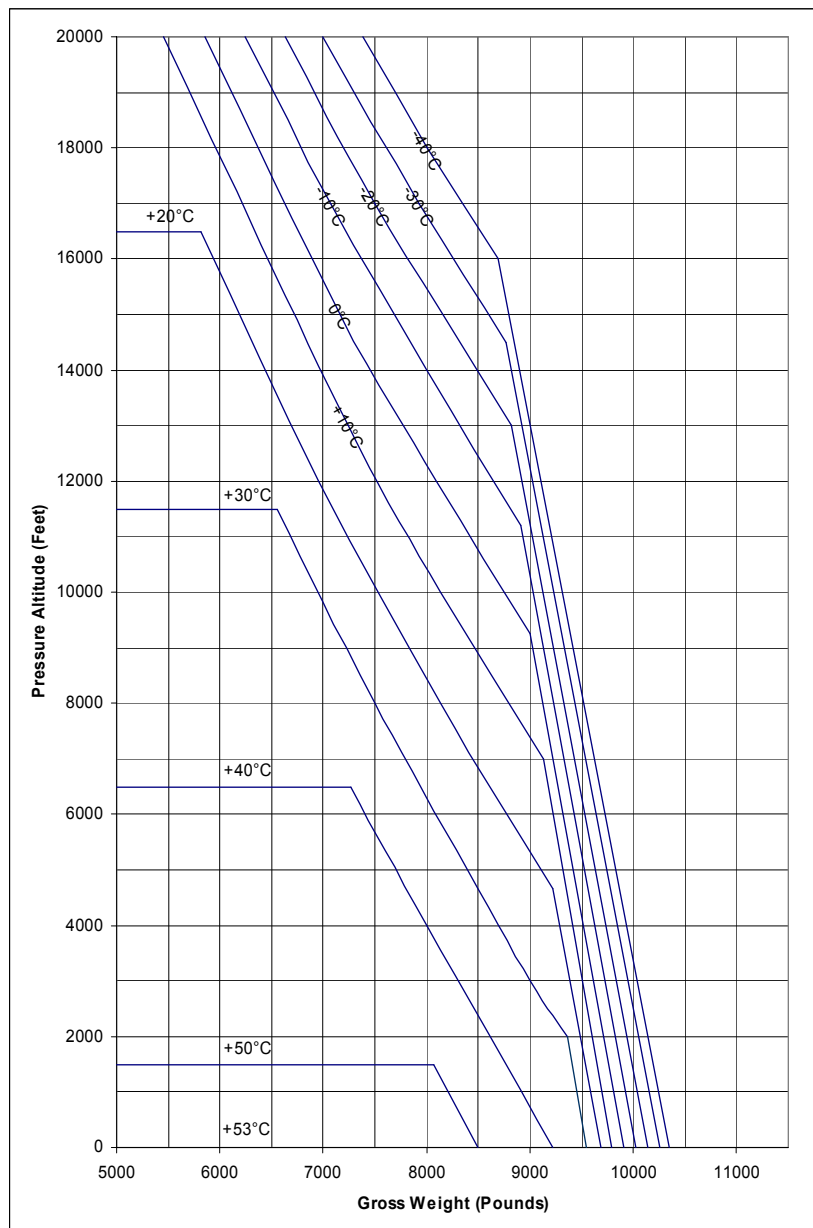
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# HELICOPTER SPECIFICATION RECORD



## **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 T53-17B	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