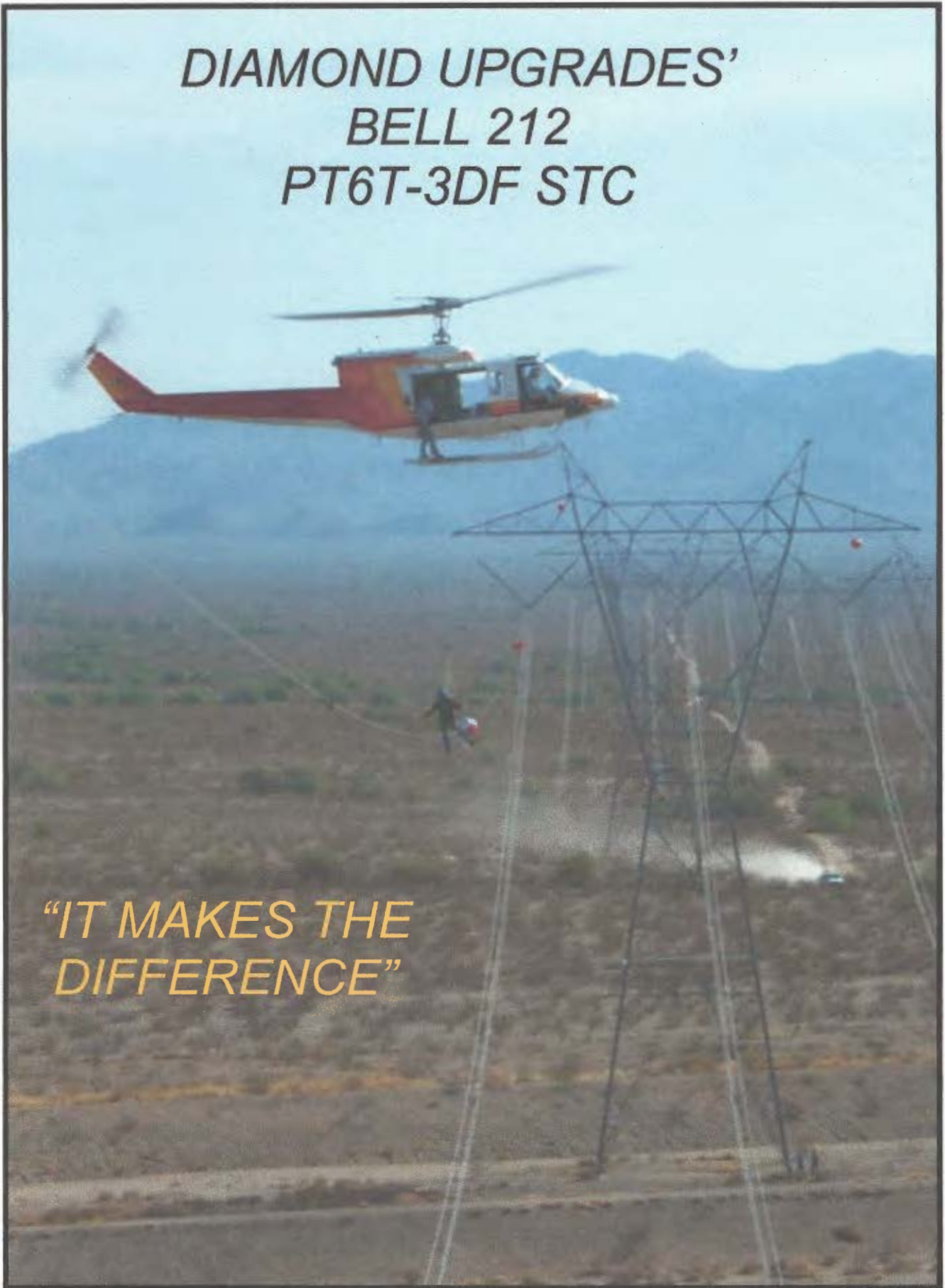


**DIAMOND UPGRADES'
BELL 212
PT6T-3DF STC**

***"IT MAKES THE
DIFFERENCE"***



Diamond Upgrades

PT6T-3



PT6T-3B



PT6T-3DF



ITT Indicator for Pratt & Whitney PT6T-3DF Twin-Pac



INTER-TURBINE TEMPERATURE (ITT)

■	300° to 810° C	Continuous Operation
■	810° C	Maximum continuous
■	810° to 940° C	OEI operation
■ ■ ■	885° C	30 Minute OEI maximum
■ ■ ■	940° C	2 ½ minute OEI maximum
▲	1090° C	Maximum for start (2 seconds above 940° C)

N₁ Indicator for Pratt & Whitney PT6T-3DF Twin-Pac



GAS PRODUCER RPM (N₁)

△	12%	Minimum for operating throttle during start
△	61%	Idle RPM
■	61 to 103.2%	Continuous Operation
■	103.2%	Maximum continuous
■	103.2 to 109.2%	OEI operation
■ ■ ■	106.8%	30 Minute OEI maximum
■ ■ ■	109.2%	2 ½ minute OEI maximum

Torquemeter for Pratt & Whitney PT6T-3DF Twin-Pac equipped
Bell 212s and 412s without Mast Torque,
And WITHOUT SB 212-91-138

TORQUEMETERS MARKED 100% (TWIN)



TRANSMISSION TORQUE (Δ)
(TWIN ENGINE OPERATION)

	0 to 87.5%	Continuous Operation
	87.5 to 100%	5 minute takeoff range
	100%	Maximum

ENGINE 1 OR ENGINE 2 TORQUE
(SINGLE ENGINE OPERATION)

	83.6 TO 87.5%	2 ½ minute range
	87.5%	Maximum OEI

Torquemeter for Pratt & Whitney PT6T-3DF Twin-Pac equipped
Bell 212s and 412s without Mast Torque
WITH SB 212-91-138

TORQUEMETERS MARKED 104.3% (TWIN)



TRANSMISSION TORQUE (Δ)
(TWIN ENGINE OPERATION)

	0 to 87.5%	Continuous Operation
	87.5 to 104.3%	5 minute takeoff range
	104.3%	Maximum

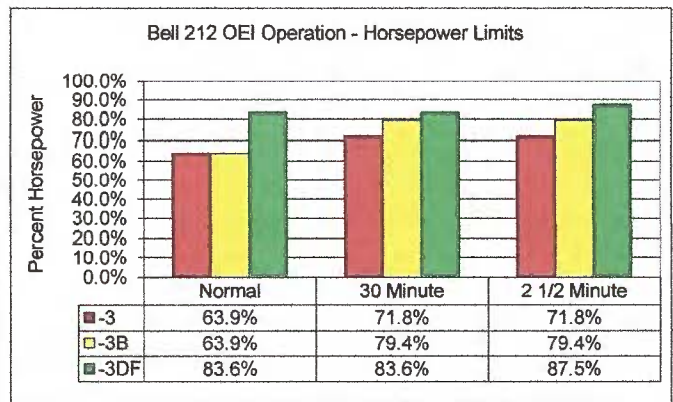
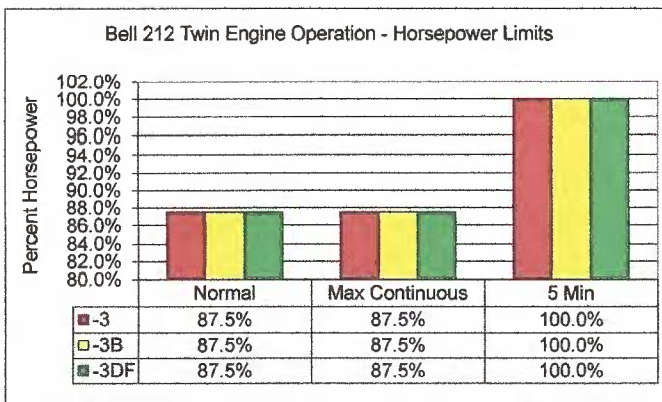
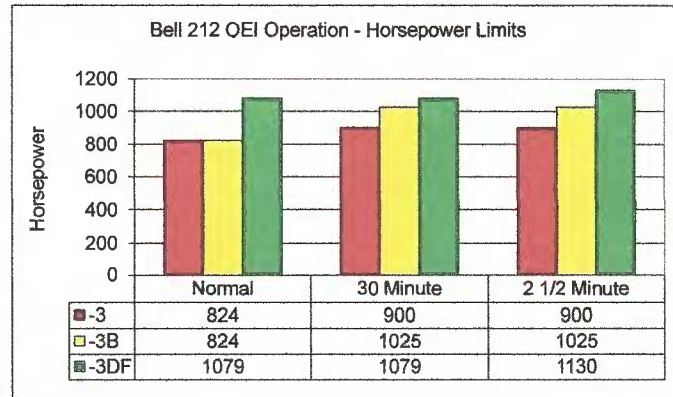
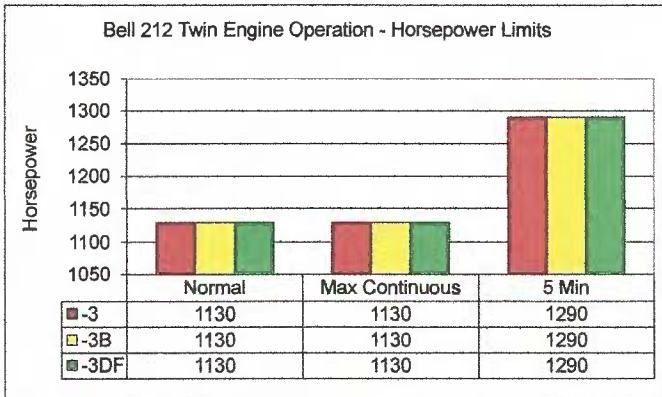
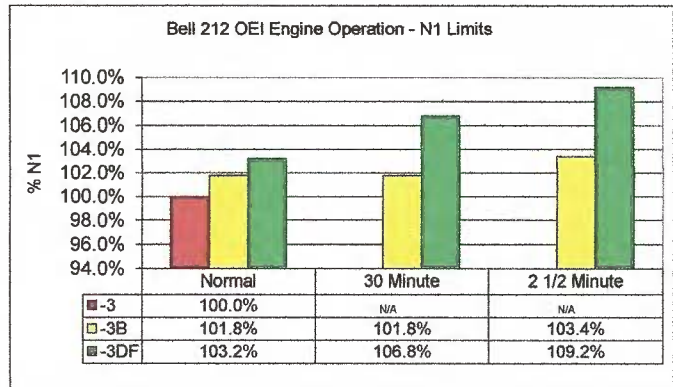
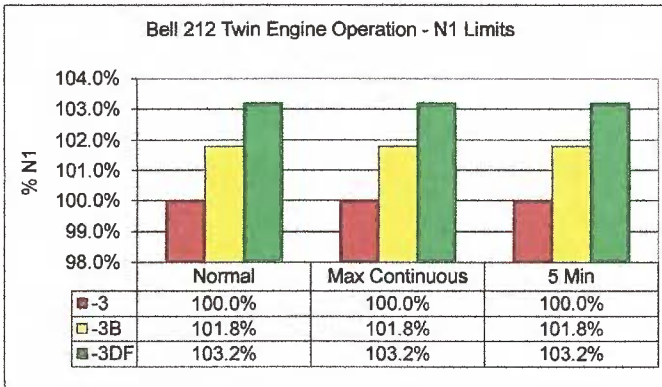
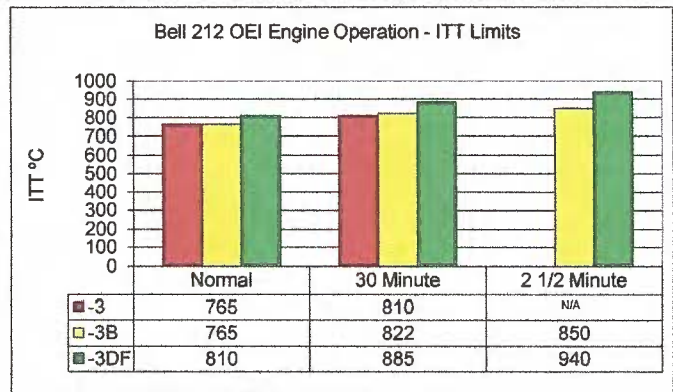
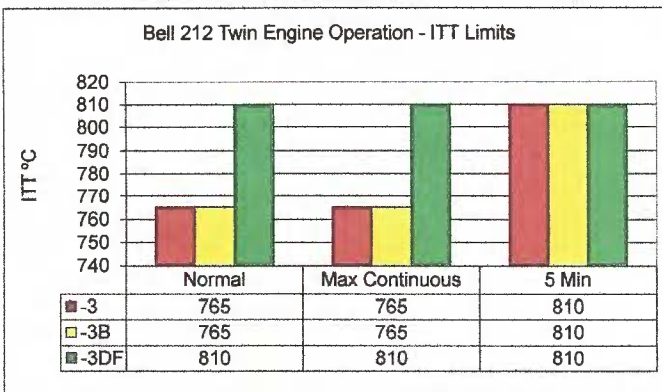
ENGINE 1 OR ENGINE 2 TORQUE
(SINGLE ENGINE OPERATION)

	83.6 TO 87.5%	2 ½ minute range
	87.5%	Maximum OEI

DIAMOND UPGRADES - BELL 212 COMPARISONS

Twin Engine

OEI Operation



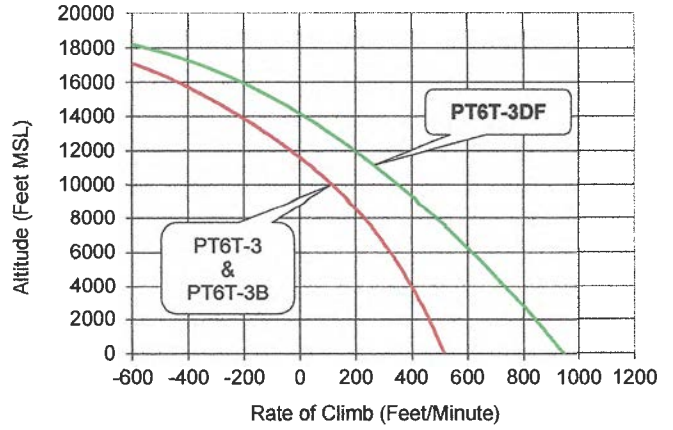
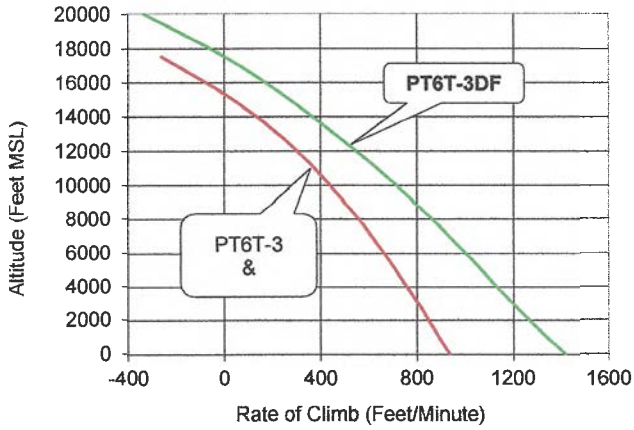
DIAMOND UPGRADES - BELL 212 COMPARISONS @ 8,000 LBS.

ISA +0°C

ISA +20°C

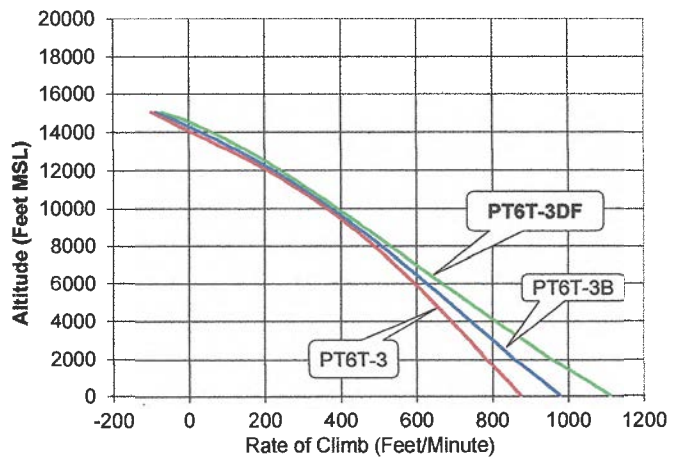
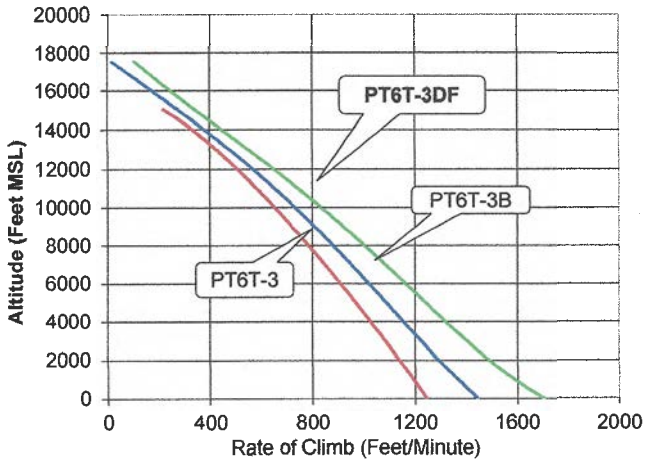
Bell 212 Comparison ISA
OEI - MCP 8,000 Lbs. GW

Bell 212 Comparison ISA +20°C
OEI - MCP 8,000 Lbs. GW



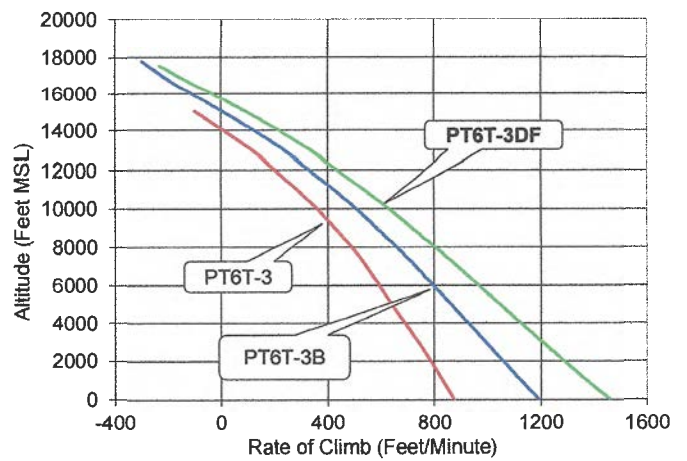
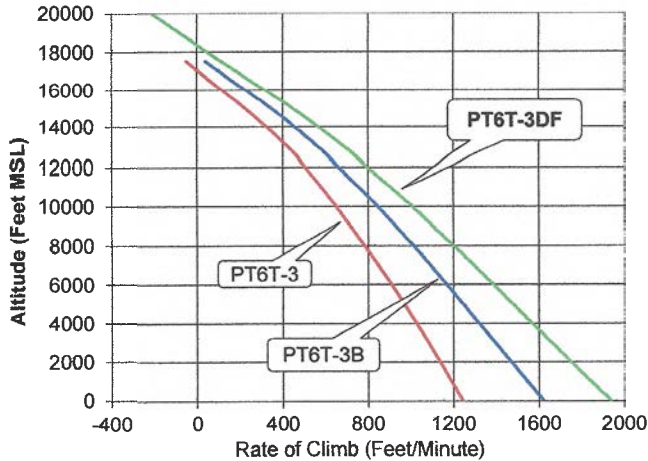
Bell 212 Comparison ISA
OEI - 30 Min. Power - 8,000 Lbs. GW

Bell 212 Comparison ISA +20°C
OEI - 30 Min. Power - 8,000 Lbs. GW



Bell 212 Comparison ISA
OEI - 2 1/2 Min. Power - 8,000 Lbs. GW

Bell 212 Comparison ISA +20°C
OEI - 2 1/2 Min. Power - 8,000 Lbs. GW

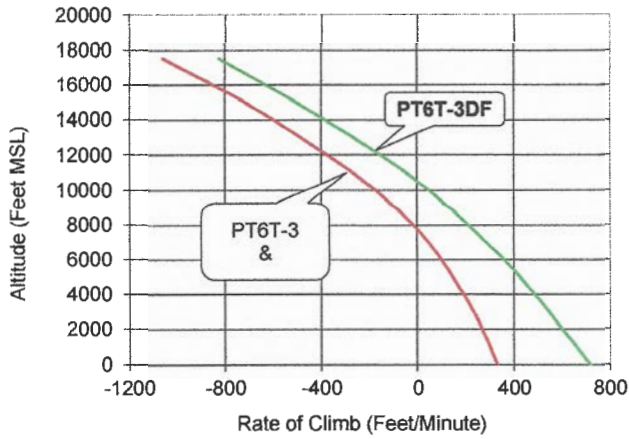


DIAMOND UPGRADES - BELL 212 COMPARISONS @ 10,000 LBS.

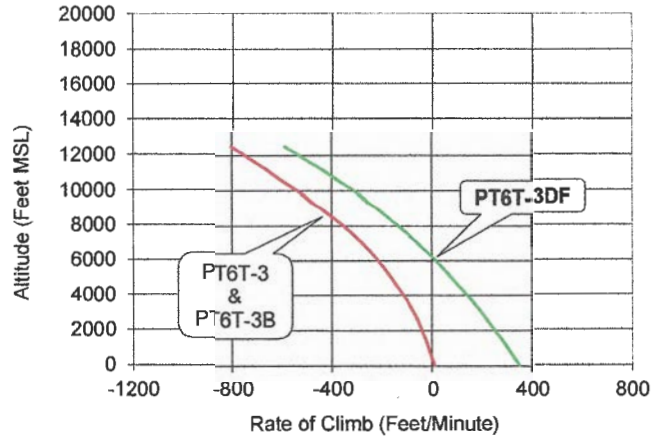
ISA +0°C

ISA +20°C

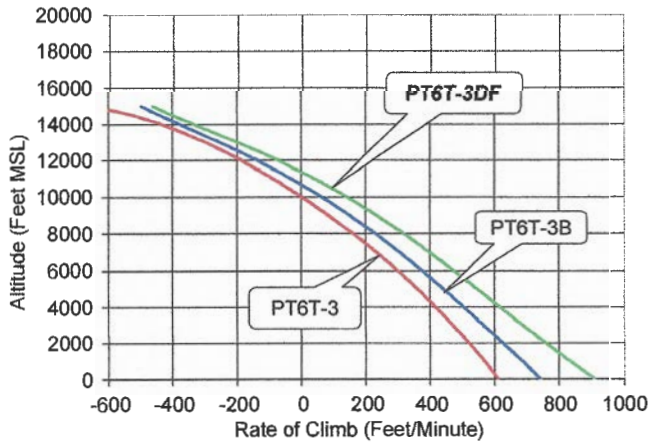
Bell 212 Comparison ISA
OEI - MCP 10,000 Lbs. GW



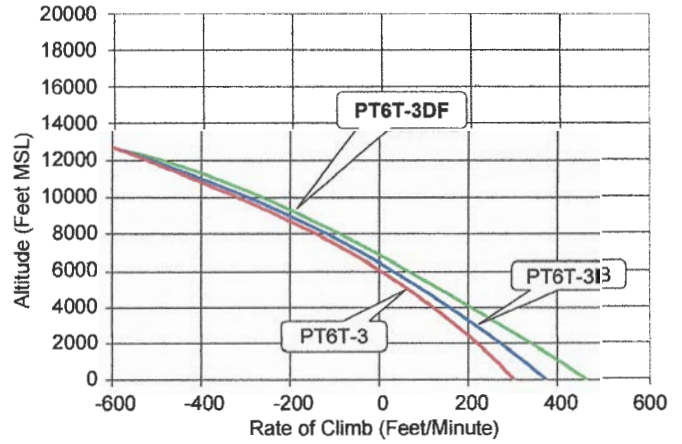
Bell 212 Comparison ISA +20°C
OEI - MCP 10,000 Lbs. GW



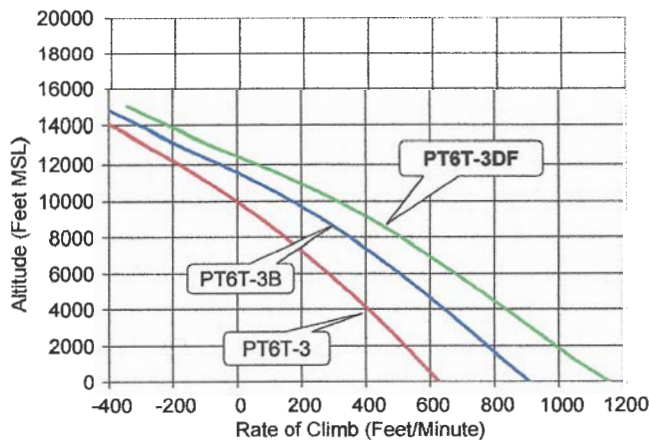
Bell 212 Comparison ISA
OEI - 30 Min. Power - 10,000 Lbs. GW



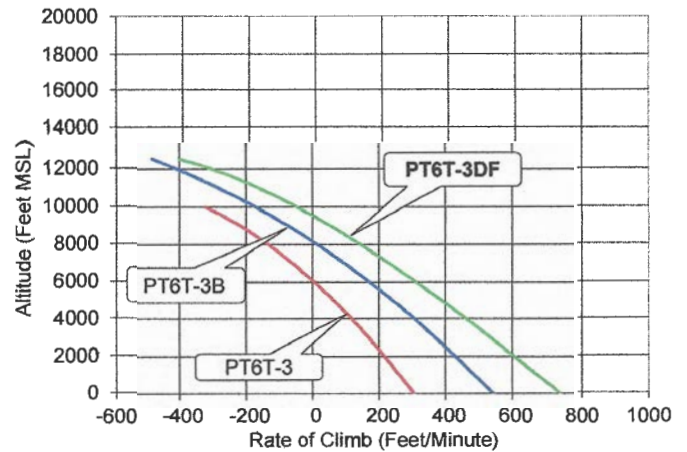
Bell 212 Comparison ISA +20°C
OEI - 30 Min. Power - 10,000 Lbs. GW



Bell 212 Comparison ISA
OEI - 2 1/2 Min. Power - 10,000 Lbs. GW



Bell 212 Comparison ISA +20°C
OEI - 2 1/2 Min. Power - 10,000 Lbs. GW

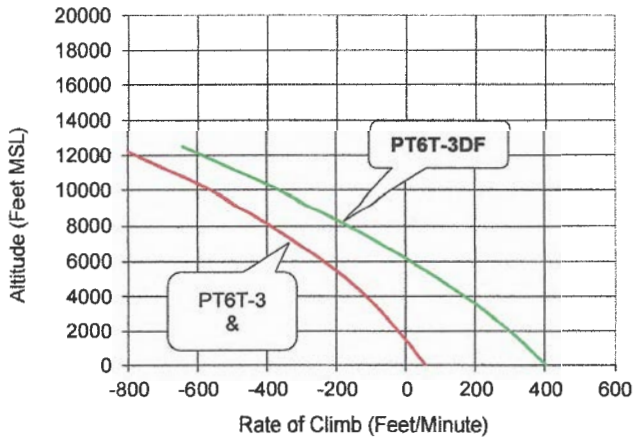


DIAMOND UPGRADES - BELL 212 COMPARISONS @ 11,200 LBS.

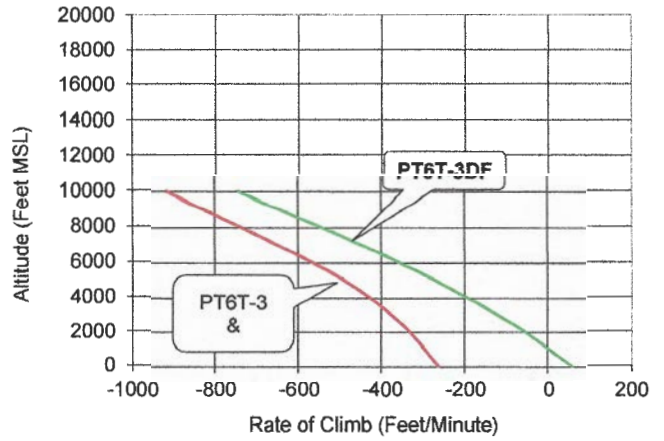
ISA +0°C

ISA +20°C

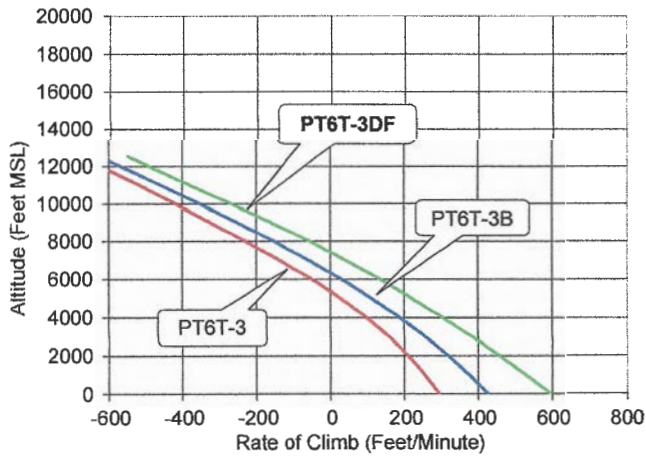
Bell 212 Comparison ISA
OEI - MCP 11,200 Lbs. GW



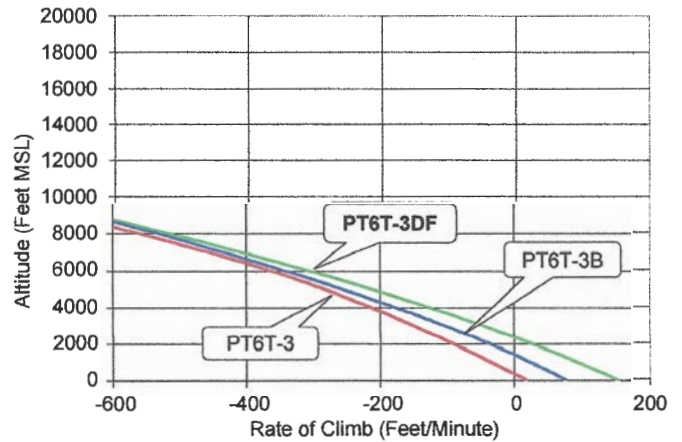
Bell 212 Comparison ISA +20°C
OEI - MCP 11,200 Lbs. GW



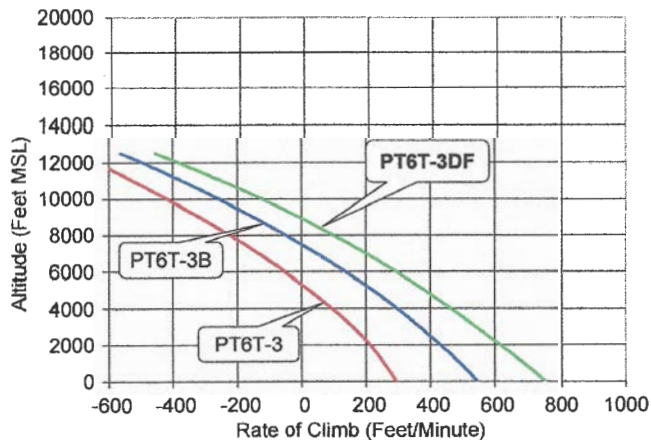
Bell 212 Comparison ISA
OEI - 30 Min. Power - 11,200 Lbs. GW



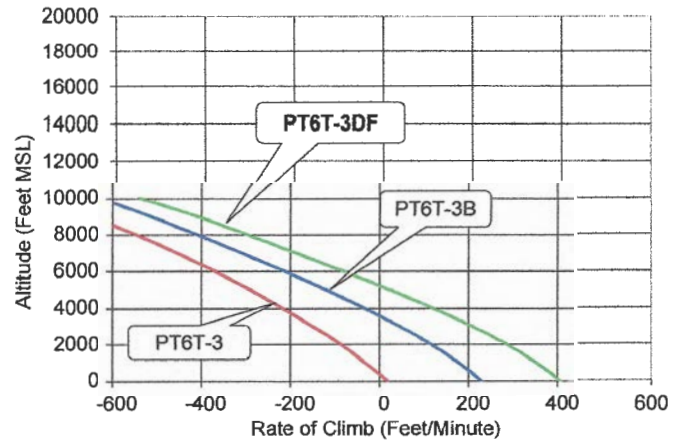
Bell 212 Comparison ISA +20°C
OEI - 30 Min. Power - 11,200 Lbs. GW



Bell 212 Comparison ISA
OEI - 2 1/2 Min. Power - 11,200 Lbs. GW



Bell 212 Comparison ISA +20°C
OEI - 2 1/2 Min. Power - 11,200 Lbs. GW

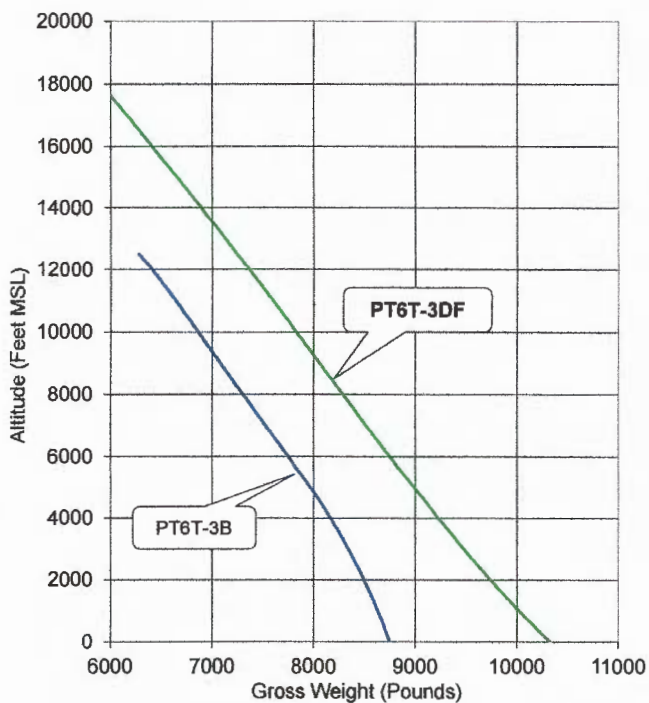


DIAMOND UPGRADES - BELL 212 COMPARISONS HIGE - HOGE

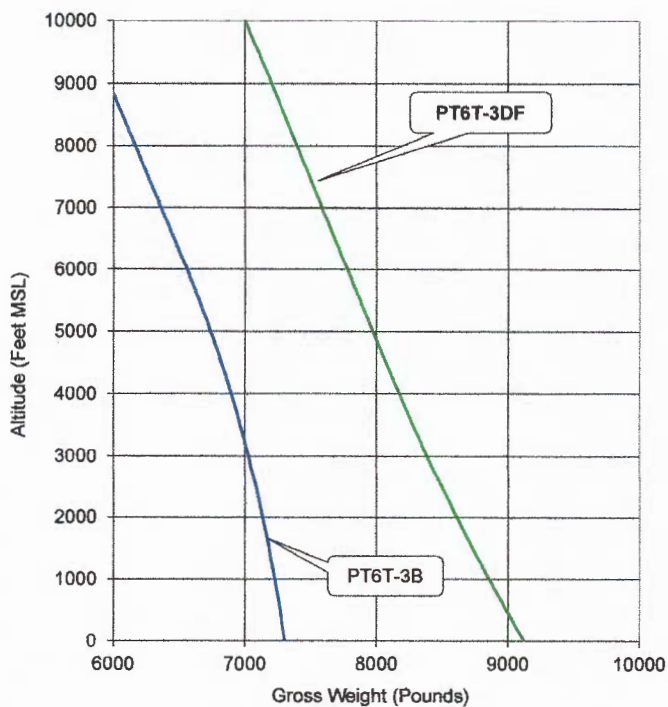
ISA +0°C

ISA +20°C

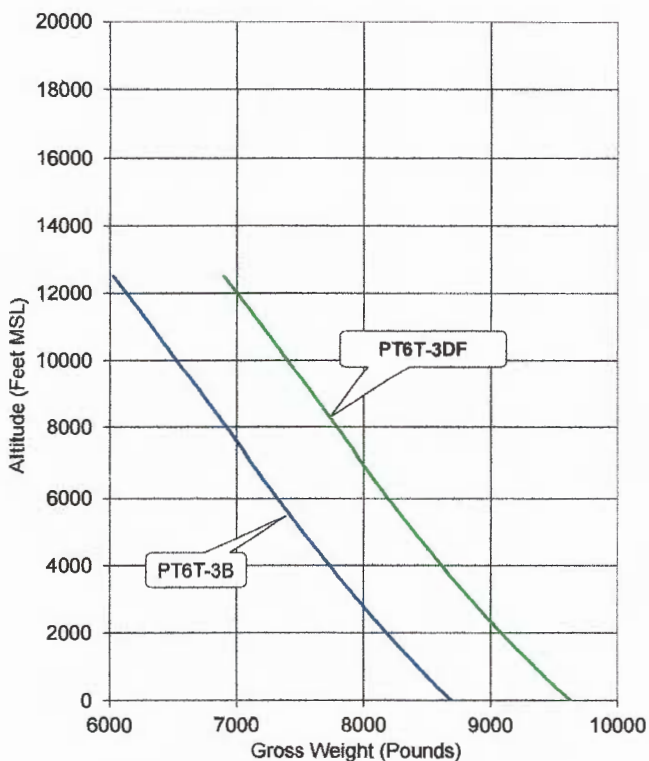
Bell 212 Comparison ISA
OEI - HIGE - 4' Skid Height



Bell 212 Comparison ISA +20°C
OEI - HIGE - 4' Skid Height



Bell 212 Comparison ISA
OEI - 60' HOGE



Bell 212 Comparison ISA +20°C
OEI - 60' HOGE

