



E-to-F

500E TO 530FF CONVERSION

THE FULL CONVERSION TO **HIGHER-PERFORMING 530FF**

Convert your fielded 500E into a higher-performing 530FF. More hover margin in hot and high conditions. 350 pounds of additional gross weight. 200 pounds of additional useful load.

KEY FEATURES

- Improved safety margins
- Improved reliability
- Expanded operating profile



START YOUR UPGRADE
mdhelicopters.com

Get a quote, lead time, and downtime estimate from your nearest ASC.



FACTORY DIRECT

1.480.346.6300

UPGRADES@MDHELICOPTERS.COM

Toll free 1.800.388.3378

MD | HELICOPTERS™

4555 East McDowell Road
Mesa, Arizona 85215 USA

KIT CONTENTS

- 650 shp Rolls-Royce 250-C30 engine
- Longer main and tail rotor blades
- Tailboom extension & longer tail rotor driveshaft
- New main rotor gearbox
- Temp, torque, and RPM gauge updates

PERFORMANCE METRICS

PATH A · PERFORMANCE

SAME LOADS, HARDER PLACES

Keep MGW at 3,000 lb. Reinvest the conversion in performance: +5,255 ft OGE @ 35°C, +7,280 ft IGE @ 15°C, +50 shp take-off power.

PATH B · PAYLOAD

HEAVIER LOADS, SAME PLACES

Raise MGW to 3,350 lb. Carry +478 lb of internal useful load

PERFORMANCE METRIC	BASE E-MODEL 3,000 lb MGW	PATH A · PERFORMANCE		PATH B · PAYLOAD	
		MD530FF @ Same 3,000 lb MGW	Δ VS BASE	MD530FF @ New 3,350 lb MGW	Δ VS BASE
MGW Internal Load (lb)	3,000	3,000	±0	3,350	+350
MGW External Load (lb)	3,550	3,750	+200	3,750	+200
Empty Weight (lb)	1,650	1,735	+85	1,522	-128
Useful Load Internal (lb)	1,350	1,265	-85	1,828	+478
Hover IGE @ 15 °C (ft)	6,450	13,730	+7,280	11,200	+4,750
Hover OGE @ 15 °C (ft)	4,870	11,815	+6,945	9,200	+4,330
Hover IGE @ 35 °C (ft)	4,040	9,700	+5,660	7,280	+3,240
Hover OGE @ 35 °C (ft)	2,510	7,765	+5,255	5,285	+2,775
Max Continuous Power (shp)	350	350	±0	350	±0
Take-Off Power (shp)	375	425	+50	425	+50

ADDITIONAL OPTIONS*

- Fully integrated avionics panel (glass cockpit)
- Single or Dual HEC hooks with E89 weighing system
- Mid-Continent MD-23 flex doorpost gauges
- Customized mission-specific suite

*NOT ALL INCLUSIVE

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