

New VEMD power software upgrade Get more power for your H125 / AS350 B3e helicopter



New VEMD power upgrade for increased H125 / AS350 B3e helicopter performances

This upgrade is included as a standard feature on all new-built H125s and is available in retrofit on AS350 B3e versions with the Arriel 2D engine.

What is it?

The upgrade consists in a **software upgrade of the VEMD** (Vehicle and Engine Management Display) equipment featuring **enhanced engine laws**. This major performance increase is possible by making full use of the available power of the Safran Helicopter Engines' Arriel 2D engine.

Who can benefit from this upgrade?

- Any H125/AS350 B3e operator equipped with Safran Arriel 2D engine
- All **aerial work operators**
- All operators operating in **altitude and/or hot weather conditions**

Key operational benefits

- Maximum usable Arriel 2D engine power increase
- Enhanced aerial work capabilities
- More useful load per rotation
- Increased aircraft external and internal load lifting capabilities:
 - Up to +140 kg / 309 lb (@ISA, @7000 ft)
 - Up to +120 kg / 265 lb (@ISA + 20°C, @ 3500 ft)
- Capability to work at higher altitude
 - Hover ceiling HOGE at MTOW improved by more than 1,500 ft - up to 12,600 ft.
- Quick return on investment

Offer and availability

This new VEMD power version is EASA and FAA certified and is available for order.

Thales offers two ways to upgrade the VEMD equipment: by advanced exchange or in-shop.

Customers are encouraged to make early slot booking to ensure availability at time of request.



P/N IN (Before upgrade)	P/N OUT (After upgrade)
B35000EA01/03	B35000EA04
B35000FA01/03	B35000FA04
B35000FB02/03 B35000FC03	B35000FC04

INCREASED PERFORMANCES WITH VEMD UPGRADE

HOGE at MTOW From 11,150 ft	Up to 12,600 ft (increased power)
External load ISA from 1,500 ft	Up to +140 kg / 309 lb @7,000 ft (increased power)
External load ISA +20°C from sea level	Up to +120 kg / 265 lb @3,500 ft (increased power)

Note: All performance data obtainable with pedal margin, accommodating a wind sector +/- 30° in the worst case depending of the altitude.
Source : Airbus Helicopters.

Service Bulletins References

AIRBUS HELICOPTERS SB	AS350-31.00.98
THALES SB	B35000E-77-004 for VEMD version B35000Ex
	B35000F-77-005 for VEMD version B35000Fx

Note: Please refer to the Airbus Helicopters AS350 B3e Flight Manual

For any information, please contact us at:
marketing.ssh@fr.thalesgroup.com