HARRIER II PLUS



MCDONNELL DOUGLAS

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The Harrier II Plus is the latest development of the highly successful international Short Take-off and Vertical Landing (STOVL) tactical aircraft collaborative programme between the US and the British Governments, military and industry. Joined now by Spain and Italy, this quadrinational arrangement will lead to the production of the world's most versatile multi-role fighter – the Harrier II Plus.

Free from the constraints, and increasing vulnerability, of fixed-base operations, Harrier II Plus' enhanced capability permits even greater advances in the art of dispersed operations from both concealed sites and forward operating locations (FOLs) and from a variety of maritime platforms.

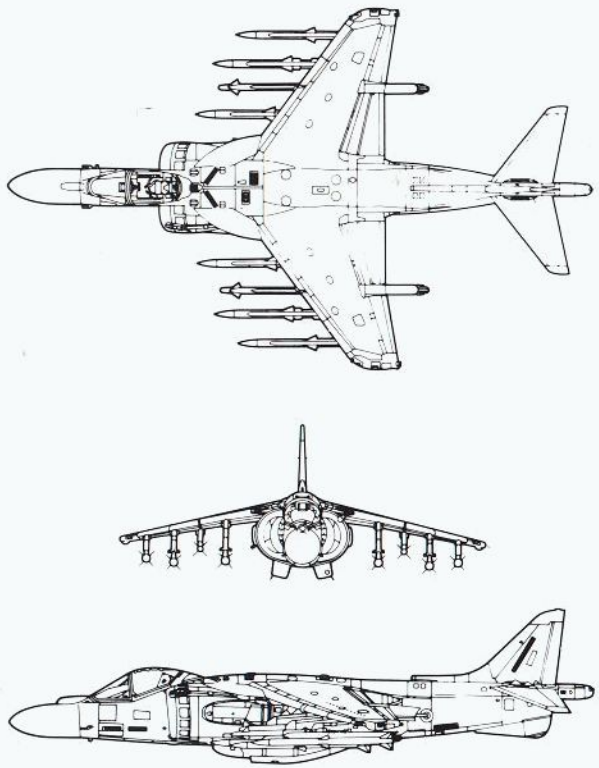
The Harrier II Plus is equipped with an integrated computer controlled navigation/attack system which extends the day and night capabilities of the current Harrier II into adverse weather, and provides an all-weather Beyond-Visual-Range (BVR) air-to-air engagement capability. It includes:

- Hughes AN/APG 65 Multi-Mode Radar.
- Forward Looking Infra-Red (FLIR) sensor.
- Inertial Navigation System, including a full colour moving map.
- Wide-angle Head-up Display.
- Head-down Multi-Purpose Colour Displays.
- Hands-on-Throttle-and-Stick (HOTAS) controls.

The APG 65 is an all-weather multi-mode tactical sensor and provides the flexibility needed for both air-to-air and air-to-surface missions. The ability to navigate and to deliver weapons accurately at night is enhanced by the FLIR sensor.

Night Vision Goggles enhance the all-round visual awareness necessary when flying at high-speed, low-level at night.

The Harrier II Plus is powered by the latest variant of the well-proven Rolls-Royce Pegasus engine, the 11-61, designated the F402-RR-408 in the United States. Rated at 23,690 lb thrust at ISA + 15°C, it offers a further significant thrust increase over earlier variants, thereby improving short take-off performance particularly in hot and high conditions.



The new aircraft can carry anti-ship missiles, such as Harpoon, and the latest medium-range air-to-air missiles, such as AMRAAM, as well as conventional bombs and rockets and short-range air-to-air missiles such as Sidewinder.

In summary, Harrier II Plus is the world's most flexible multi-role weapon system.

DIMENSIONS:		
Length Overall	14.55 m	47 ft 9 in
Wing Span	9.24 m	30 ft 4 in
Height Overall	3.55 m	11 ft 8 in
Wing Area	21.37 sq m	230 sq ft

POWERPLANT:

Rolls-Royce Pegasus 11-61 turbofan.

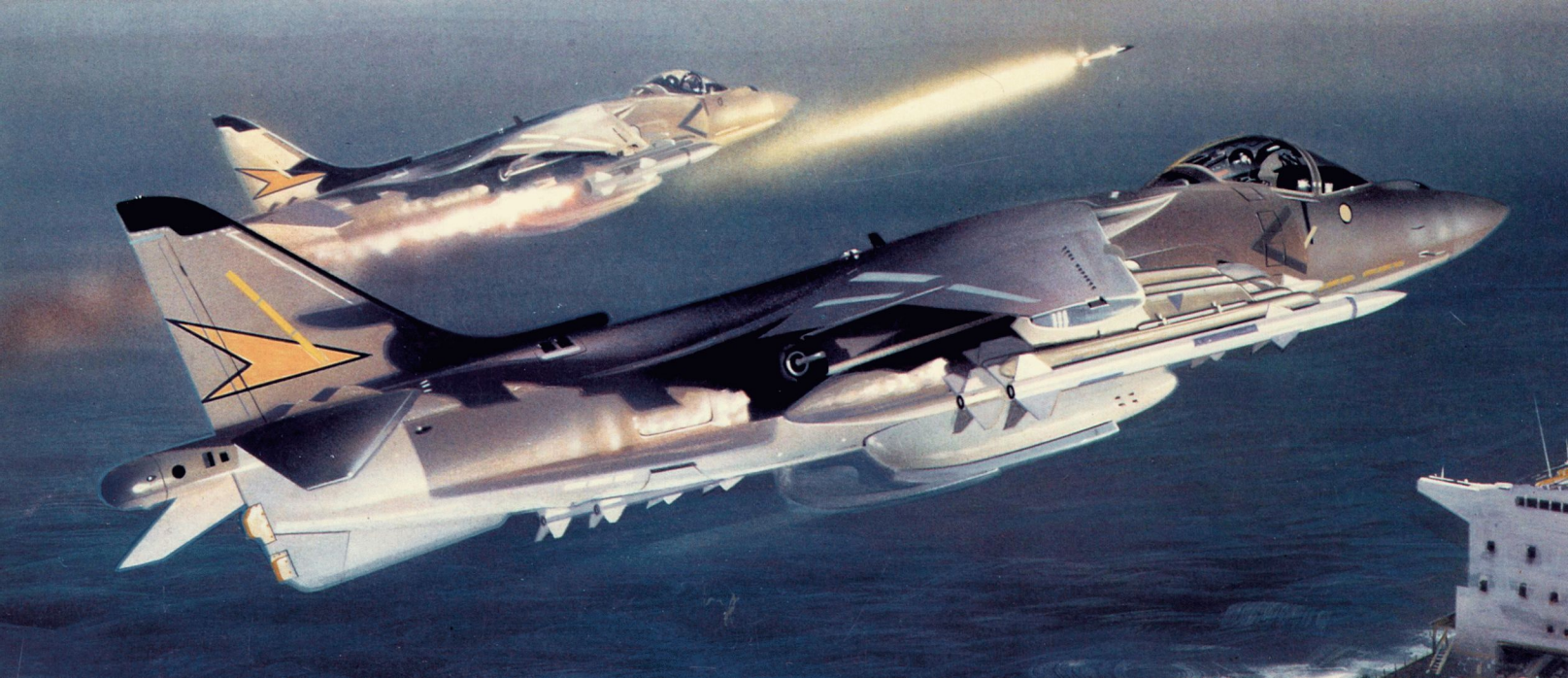
Maximum static thrust at sea level, ISA + 15°C	105.3 kN	(23,690 lb)

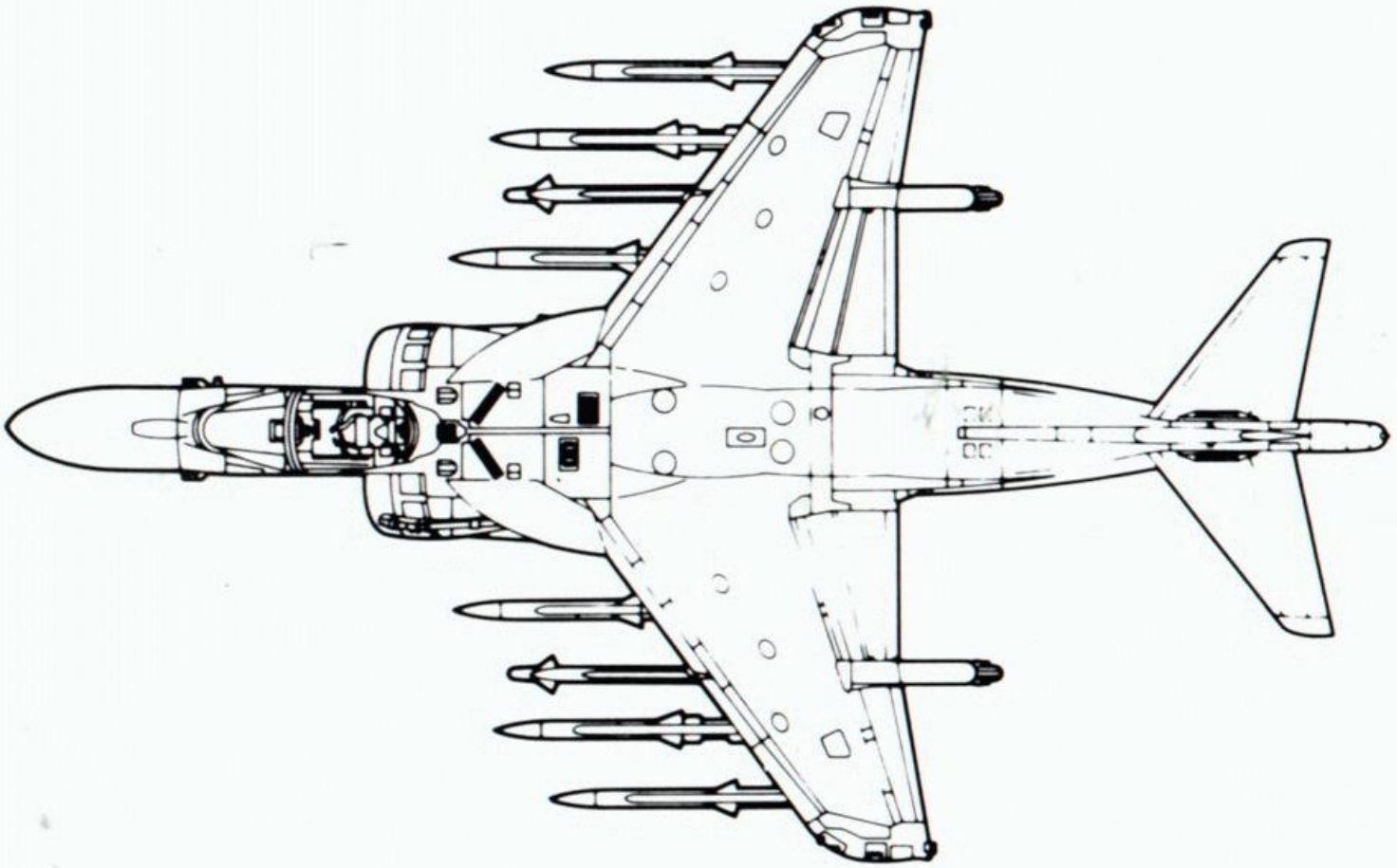
WEIGHTS AND FUEL:		
Max Take-off Weight (MTOW)	14,062 kg	31,000 lb
Basic Mass Empty (BME)	6760 kg	14,900 lb
Maximum Warload	4175 kg	9200 lb
Max Internal Fuel	3521 kg	7760 lb
Max External Fuel	3662 kg	8070 lb

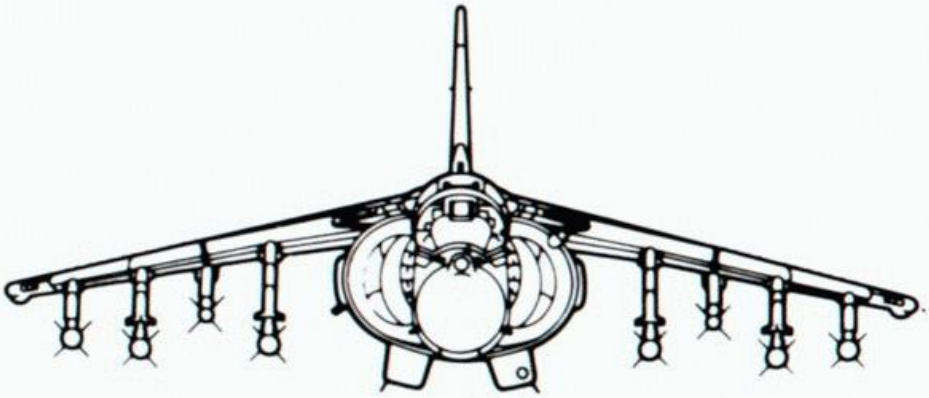
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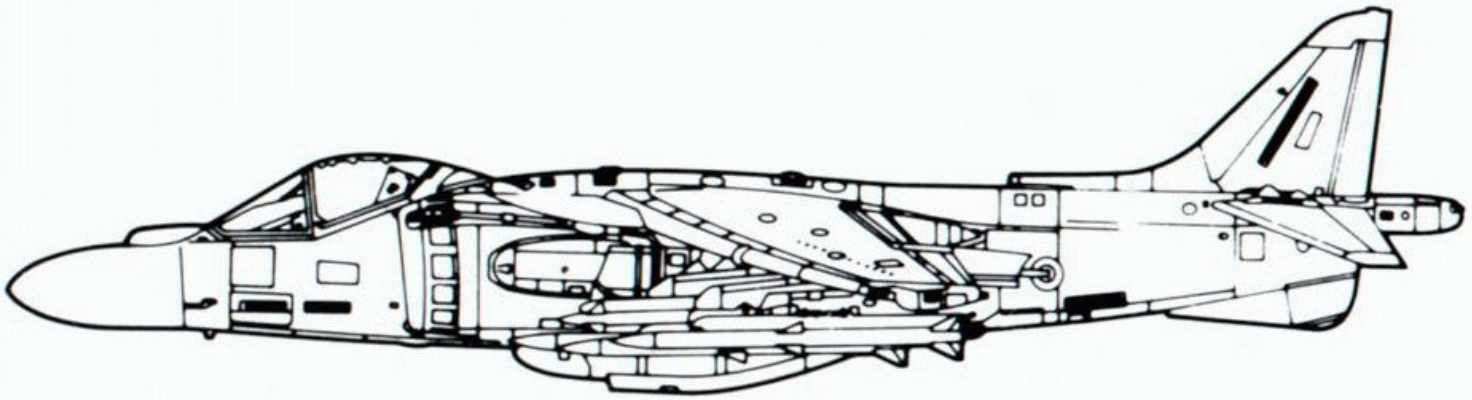
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