



A NEW ERA IN
VERTICAL FLIGHT



BELL BOEING V-22 OSPREY

ONE AIRCRAFT – MULTIPLE MISSIONS

The Bell Boeing V-22 Osprey is the world's only production tiltrotor aircraft. It combines the vertical lift capability of a helicopter with the speed, range, endurance, and maneuverability of an airplane. That gives warfighters unmatched flexibility and operational reach. It enables greater mission effectiveness and the execution of missions previously impossible.

The V-22 has been battle-tested in combat and contingency operations throughout the world. Commanders demand the V-22 when they need to carry out the toughest missions in the most challenging operating environments. The V-22's multimission capabilities reshape what is possible, both on and off the battlefield.



GENERAL CHARACTERISTICS

Performance @ 47,000 lb

Max cruise speed	
(MCP) Sea Level (SL), kts (km/h)	266 (493)
Max RC, A/P mode SL, fpm (m/m)	4,100 (1,250)
Service Ceiling, ISA, ft (m)	25,000 (7,620)
OEI Service Ceiling ISA, ft (m)	9,500 (2,896)
HOGE ceiling, ISA, ft (m)	5,700 (1,737)

Weights

Takeoff, vertical, max, lb (kg)	52,600 (23,859)
Takeoff, short, max, lb (kg)	57,000 (25,855)
Takeoff, self-deploy, lb (kg)	60,500 (27,443)
Cargo hook, single, lb (kg)	10,000 (4,536)
Cargo hook, dual capacity, lb (kg)	12,500 (5,670)

Engines

Model	AE1107C (Rolls-Royce Liberty)
AEO VTOL normal power, shp (kW)	6,150 (4586)

Crew

Cockpit - crew seats	2 MV/3 CV
Cabin - crew seat/troop seats	1/24

