**General characteristics**

* **Crew:** Four (pilot, copilot and two flight engineers/crew chiefs)
* **Capacity:**
  + 24 troops (seated), 32 troops (floor loaded), or
  + 20,000 lb (9,070 kg) of internal cargo, or up to 15,000 lb (6,800 kg) of external cargo (dual hook)
  + 1× [Growler](https://en.wikipedia.org/wiki/Growler_(vehicle)) light internally transportable ground vehicle[[261]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-New_Ride_Rolls-261)[[262]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-262)
* **Length:** 57 ft 4 in (17.5 m)
* **Rotor diameter:** 38 ft 0 in (11.6 m)
* **Wingspan:** 45 ft 10 in (14 m)
* **Width with rotors:** 84 ft 7 in (25.8 m)
* **Height:** 22 ft 1 in/6.73 m; overall with nacelles vertical (17 ft 11 in/5.5 m; at top of tailfins)
* **Disc area:** 2,268 ft² (212 m²)
* **Wing area:** 301.4 ft² (28 m²)
* [**Empty weight**](https://en.wikipedia.org/wiki/Manufacturer%27s_empty_weight)**:** 33,140 lb (15,032 kg)
* **Loaded weight:** 47,500 lb (21,500 kg)
* [**Max. takeoff weight**](https://en.wikipedia.org/wiki/Maximum_takeoff_weight)**:** 60,500 lb (27,400 kg)
* [**Powerplant**](https://en.wikipedia.org/wiki/Aircraft_engine)**:** 2 × [Rolls-Royce Allison](https://en.wikipedia.org/wiki/Rolls-Royce_plc) [T406/AE 1107C-Liberty](https://en.wikipedia.org/wiki/Rolls-Royce_T406) [turboshafts](https://en.wikipedia.org/wiki/Turboshaft), 6,150 hp (4,590 kW) each

**Performance**

* [**Maximum speed**](https://en.wikipedia.org/wiki/V_speeds#Regulatory_V-speeds)**:** 275 knots (509 km/h, 316 mph[[263]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-263)) at sea level / 305 kn (565 km/h; 351 mph) at 15,000 ft (4,600 m)[[264]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-Norton_p111-264)
* [**Cruise speed**](https://en.wikipedia.org/wiki/V_speeds#Vc)**:** 241 kn (277 mph, 446 km/h) at sea level
* [**Stall speed**](https://en.wikipedia.org/wiki/Stall_(fluid_mechanics)#Stall_speed)**:** 110 kn[[72]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-v22fly-72) (126 mph, 204 km/h) in airplane mode
* [**Range**](https://en.wikipedia.org/wiki/Range_(aeronautics))**:** 879 nmi (1,011 mi, 1,627 km)
* [**Combat radius**](https://en.wikipedia.org/wiki/Combat_radius)**:** 390 nmi (426 mi, 722 km)
* [**Ferry range**](https://en.wikipedia.org/wiki/Range_(aeronautics))**:** 1,940 nmi (2,230 mi, 3,590 km) with auxiliary internal fuel tanks
* [**Service ceiling**](https://en.wikipedia.org/wiki/Ceiling_(aeronautics))**:** 25,000 ft (7,620 m)
* [**Rate of climb**](https://en.wikipedia.org/wiki/Rate_of_climb)**:** 2,320–4,000[[72]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-v22fly-72) ft/min (11.8 m/s)
* [**Glide ratio**](https://en.wikipedia.org/wiki/Gliding_flight#Glide_ratio)**:** 4.5:1[[72]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-v22fly-72)
* [**Disc loading**](https://en.wikipedia.org/wiki/Disk_loading)**:** 20.9 lb/ft² at 47,500 lb GW (102.23 kg/m²)
* [**Power/mass**](https://en.wikipedia.org/wiki/Power-to-weight_ratio)**:** 0.259 hp/lb (427 W/kg)

**Armament**

* 1× 7.62 mm (0.308 in) [M240 machine gun](https://en.wikipedia.org/wiki/M240_machine_gun) *or* 0.50 in (12.7 mm) [M2 Browning machine gun](https://en.wikipedia.org/wiki/M2_Browning_machine_gun) on ramp, removable
* 1× 7.62 mm (.308 in) [GAU-17 minigun](https://en.wikipedia.org/wiki/Minigun#Design_and_variants), belly-mounted, retractable, video remote control in the Remote Guardian System [optional][[123]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-Remote_Guardians-123)[[265]](https://en.wikipedia.org/wiki/Bell_Boeing_V-22_Osprey#cite_note-265)