

MD-11F Performance Summary

StartupBoeing

General Electric Engines

		Basic	Option*
Cargo payload**	lb (kg)	190,753 (86,526)	200,309 (90,860)
Fuel capacity	U.S. gal (L)	38,615 (146,169)	
Engines		CF6-80C2D1F	
Sea-level static thrust to 86°F	lb	61,500	
Maximum taxi weight	lb (kg)	605,500 (274,655)	633,000 (287,129)
Maximum takeoff weight	lb (kg)	602,500 (273,294)	630,500 (285,995)
Maximum landing weight	lb (kg)	471,500 (213,872)	491,500 (222,944)
Maximum zero fuel weight	lb (kg)	451,300 (204,800)	461,300 (209,246)
Operating empty weight	lb (kg)	260,547 (118,184)	260,991 (118,386)
Tare weight	lb (kg)	10,700 (4,854)	10,700 (4,854)
Design range, structural limit payload	nmi (km)	3,264 (6,045)	3,592 (6,652)
Cruise Mach number		0.83	0.83
Takeoff field length, SL, 86°F/30°C, MTOW	ft (m)	9,725 (2,964)	10,800 (3,292)
Initial cruise altitude, MTOW	ft	33,300	32,200
Landing field length, MLW			
Flaps 35°	ft (m)	8,060 (2,457)	8,350 (2,545)
Flaps 50°	ft (m)	7,400 (2,255)	7,650 (2,332)
Approach speed, MLW	kn	155	158

- Typical mission rules
- OEI includes tare weight
- Optional MTOWs: 605,500 lb, 610,000 lb, 618,000 lb, 625,500 lb, and 630,500 lb
- * Highest available optional weight
- **Structural limit payload—net payload

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Pratt & Whitney Engines

		Basic	Option*
Cargo payload**	lb (kg)	191,461 (86,847)	201,025 (91,185)
Fuel capacity	U.S. gal (L)	38,615 (146,169)	
Engines		PW4460/PW4462	
Sea-level static thrust to 86°F	lb	60,000/62,000	
Maximum taxi weight	lb (kg)	605,500 (274,655)	633,000 (287,129)
Maximum takeoff weight	lb (kg)	602,500 (273,294)	630,500 (285,995)
Maximum landing weight	lb (kg)	471,500 (213,872)	491,500 (222,944)
Maximum zero fuel weight	lb (kg)	451,300 (204,800)	461,300 (209,246)
Operating empty weight	lb (kg)	259,831 (117,859)	260,275 (118,061)
Tare weight	lb (kg)	10,700 (4,854)	10,700 (4,854)
Design range, structural limit payload	nmi (km)	3,209 (5,943)	3,533 (6,543)
Cruise Mach number		0.83	0.83
Takeoff field length, SL, 86°F/30°C, MTOW			
PW4460	ft (m)	9,800 (2,987)	10,950 (3,337)
PW4462	ft (m)	9,460 (2,883)	10,450 (3,185)
Initial cruise altitude, MTOW	ft	33,300	32,200
Landing field length, MLW			
Flaps 35°	ft (m)	8,175 (2,492)	8,460 (2,579)
Flaps 50°	ft (m)	7,500 (2,286)	7,760 (2,365)
Approach speed, MLW	kn	155	158

- Typical mission rules
- OEW includes tare weight
- Optional MTOWs: 605,500 lb, 610,000 lb, 618,000 lb, 625,500 lb, and 630,500 lb
- * Highest available optional weight
- **Structural limit payload—net payload