

757-200F performance summary

StartupBoeing

Pratt & Whitney engines

		Basic	Maximum
Engines		PW2037	PW2040
Takeoff thrust*	lb/°F	36,600/87	40,100/87
Main deck cargo 88- x 125-in pallets		15	15
Lower hold cargo Bulk	ft ³ (m ³)	1,830 (51.8)	1,830 (51.8)
Maximum taxi weight	lb (kg)	251,000 (113,850)	256,000 (116,120)
Maximum takeoff weight	lb (kg)	250,000 (113,400)	255,000 (115,660)
Maximum landing weight	lb (kg)	210,000 (92,250)	210,000 (92,250)
Maximum zero fuel weight	lb (kg)	200,000 (90,720)	200,000 (90,720)
Operating empty weight (includes 3,300-lb tare)	lb (kg)	115,580 (52,430)	115,580 (52,430)
Fuel capacity	U.S. gal (L)	11,276 (42,680)	11,276 (42,680)
Volume-limit payload (pallets)**	lb (kg)	72,210 (32,755)	72,210 (32,755)
Design range (MTOW, volume-limit payload)	nmi (km)	2,900 (5,370)	3,150 (5,830)
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	ft (m)	8,950 (2,728)	7,700 (2,347)
Initial cruise altitude (MTOW)	ft (m)	35,900 (10,940)	35,400 (10,790)
Landing field length (MLW)	ft (m)	5,100 (1,555)	5,100 (1,555)
Approach speed (MLW)	kn	137	137
Fuel consumption at volume-limit payload	500		
nmi lb (kg)		10,264 (4,656)	10,264 (4,656)
1,000 nmi	lb (kg)	18,308 (8,305)	18,308 (8,305)

• Typical mission rules

* Boeing-equivalent thrust

** Volume-limit payload based on 9-lb/ft³ cargo density and 7-lb/ft³ bulk density

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757-200F performance summary

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Rolls-Royce Engines

		Basic	Maximum
Engines		RB211-535E4	RB211-535E4-B
Takeoff thrust*	lb/°F	40,200/84	43,500/77
Main deck cargo			
88- x 125-in pallets		15	15
Lower hold cargo			
Bulk	ft ³ (m ³)	1,830 (51.8)	1,830 (51.8)
Maximum taxi weight	lb (kg)	251,000 (113,850)	256,000 (116,120)
Maximum takeoff weight	lb (kg)	250,000 (113,400)	255,000 (115,660)
Maximum landing weight	lb (kg)	210,000 (92,250)	210,000 (92,250)
Maximum zero fuel weight	lb (kg)	200,000 (90,720)	200,000 (90,720)
Operating empty weight (includes 3,300-lb tare)	lb (kg)	115,870 (52,560)	115,870 (52,560)
Fuel capacity	U.S. gal (L)	11,276 (42,680)	11,276 (42,680)
Volume-limit payload (pallets)**	lb (kg)	72,210 (32,755)	72,210 (32,755)
Design range (MTOW, volume-limit payload)	nmi (km)	2,700 (5,000)	2,935 (5,435)
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	ft (m)	7,100 (2,164)	6,900 (2,103)
Initial cruise altitude (MTOW)	ft (m)	36,100 (11,000)	35,700 (10,880)
Landing field length (MLW)	ft (m)	4,950 (1,510)	4,950 (1,510)
Approach speed (MLW)	kn	137	137
Fuel consumption at volume-limit payload			
500 nmi	lb (kg)	10,875 (4,933)	10,875 (4,933)
1,000 nmi	lb (kg)	19,355 (8,780)	19,355 (8,780)

• Typical mission rules

* Boeing-equivalent thrust

** Volume-limit payload based on 9-lb/ft³ cargo density and 7-lb/ft³ bulk density

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