

757-200 performance summary

StartupBoeing

Pratt & Whitney engines – Two Class

		Basic	Maximum
Passengers	(FC/EC)	200 (12/188)	
Cargo volume	m ³ (ft ³)	47.3 (1,670)	
Engines		PW2037	PW2040
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	36,600/87	40,100/87
Maximum taxi weight	kg (lb)	100,240 (221,000)	116,120 (256,000)
Maximum takeoff weight	kg (lb)	99,790 (220,000)	115,660 (255,000)
Maximum landing weight	kg (lb)	89,810 (198,000)	95,250 (210,000)
Maximum zero fuel weight	kg (lb)	83,460 (184,000)	84,360 (186,000)
Operating empty weight	kg (lb)	59,160 (130,440)	59,160 (130,440)
Fuel capacity	L (U.S. gal)	42,680 (11,276)	43,490 (11,489)
Design range (MTOW, full passenger payload)	nmi (km)	2,460 (4,550)	3,915* (7,250)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	1,825 (6,000)	2,360 (7,750)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	38,300	35,300
Landing field length (MLW)	m (ft)	1,475 (4,850)	1,550 (5,100)
Approach speed (MLW)	kias	132	137
Fuel burn/seat			
500 nmi	kg (lb)	21.7 (47.8)	
1,000 nmi	kg (lb)	38.5 (84.9)	

- Two-class seating.
- Typical mission rules.

*Fuel volume limited.

757-200 performance summary

StartupBoeing

Rolls-Royce engines – Two Class

		Basic	Maximum
Passengers	(FC/EC)	200 (12/188)	
Cargo volume	m (ft)	47.3 (1,670)	
Engines		RB211-535E4	RB211-535E4B
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	40,200/84	43,500/77
Maximum taxi weight	kg (lb)	100,240 (221,000)	116,120 (256,000)
Maximum takeoff weight	kg (lb)	99,790 (220,000)	115,660 (255,000)
Maximum landing weight	kg (lb)	89,810 (198,000)	95,250 (210,000)
Maximum zero fuel weight	kg (lb)	83,460 (184,000)	84,360* (186,000)*
Operating empty weight	kg (lb)	59,300 (130,730)	59,300 (130,730)
Fuel capacity	L (U.S. gal)	42,680 (11,276)	43,490 (11,489)
Design range (MTOW, full passenger payload)	nmi (km)	2,290 (4,240)	3,685** (6,825)**
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	1,660 (5,450)	2,070 (6,800)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	38,700	35,600
Landing field length (MLW)	m (ft)	1,420 (4,660)	1,505 (4,950)
Approach speed (MLW)	kias	132	137
Fuel burn/seat			
500 nmi	kg (lb)	22.9 (50.6)	
1,000 nmi	kg (lb)	40.6 (89.5)	

- Two-class seating.
- Typical mission rules.

* MZFW of 85,275 kg (188,000 lb) is available if MTW is reduced to 115,210 kg (254,000 lb).

** Fuel volume limited.

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757-300 performance summary

StartupBoeing

Pratt & Whitney engines – Two Class

		Basic	Maximum
Passengers	(FC/EC)	243 (12/231)	
Cargo volume	m ³ (ft ³)	67.1 (2,370)	
Engines		PW2040	PW2043
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	40,100/87	42,600/96
Maximum taxi weight	kg (lb)	109,310 (241,000)	124,050 (273,500)
Maximum takeoff weight	kg (lb)	108,860 (240,000)	123,830 (273,000)
Maximum landing weight	kg (lb)	101,600 (224,000)	101,600 (224,000)
Maximum zero fuel weight	kg (lb)	95,250 (210,000)	95,250 (210,000)
Operating empty weight	kg (lb)	64,470 (142,140)	64,470 (142,140)
Fuel capacity	L (U.S. gal)	43,400 (11,466)	43,400 (11,466)
Design range (MTOW, full passenger payload)	nmi (km)	2,105 (3,890)	3,400* (6,295)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	2,100 (6,900)	2,635 (8,650)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	36,950	34,250
Landing field length (MLW)	m (ft)	1,735 (5,700)	1,735 (5,700)
Approach speed (MLW)	kias	142	142
Fuel burn/seat			
500 nmi	kg (lb)	19.8 (43.6)	19.8 (43.6)
1,000 nmi	kg (lb)	35.7 (78.7)	35.7 (78.7)

- Two-class seating.
- Typical mission rules.

*Fuel volume limited.

757-300 performance summary

StartupBoeing

Rolls-Royce engines – Two Class

		Basic	Maximum
Passengers	(FC/EC)	243 (12/231)	
Cargo volume	m ³ (ft ³)	67.1 (2,370)	
Engines		RB211-535E4	RB211-535E4B
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	40,200/84	43,500/77
Maximum taxi weight	kg (lb)	109,310 (241,000)	124,050 (273,500)
Maximum takeoff weight	kg (lb)	108,860 (240,000)	123,830 (273,000)
Maximum landing weight	kg (lb)	101,600 (224,000)	101,600 (224,000)
Maximum zero fuel weight	kg (lb)	95,250 (210,000)	95,250 (210,000)
Operating empty weight	kg (lb)	64,560 (142,340)	64,560 (142,340)
Fuel capacity	L (U.S. gal)	43,400 (11,466)	43,400 (11,466)
Design range (MTOW, full passenger payload)	nmi (km)	1,945 (3,600)	3,190* (5,910)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	2,115 (6,950)	2,605 (8,550)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	36,950	34,300
Landing field length (MLW)	m (ft)	1,735 (5,700)	1,735 (5,700)
Approach speed (MLW)	kias	142	142
Fuel burn/seat			
500 nmi	kg (lb)	20.9 (46.1)	
1,000 nmi	kg (lb)	37.8 (83.3)	

- Two-class seating.
- Typical mission rules.

*Fuel volume limited.

757-200 performance summary

StartupBoeing

Pratt & Whitney engines - Inclusive Tour

		Basic	Maximum
Passengers	(FC/EC)	228	
Cargo volume	m ³ (ft ³)	47.3 (1,670)	
Engines		PW2037	PW2040
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	36,600/87	40,100/87
Maximum taxi weight	kg (lb)	100,240 (221,000)	116,120 (256,000)
Maximum takeoff weight	kg (lb)	99,790 (220,000)	115,660 (255,000)
Maximum landing weight	kg (lb)	89,810 (198,000)	95,250 (210,000)
Maximum zero fuel weight	kg (lb)	83,460 (184,000)	84,360 (186,000)
Operating empty weight	kg (lb)	58,440 (128,840)	58,440 (128,840)
Fuel capacity	L (U.S. gal)	42,680 (11,276)	43,490 (11,489)
Design range (MTOW, full passenger payload)	nmi (km)	2,185 (4,045)	3,845* (7,120)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	1,825 (6,000)	2,360 (7,750)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	38,300	35,300
Landing field length (MLW)	m (ft)	1,475 (4,850)	1,550 (5,100)
Approach speed (MLW)	kias	132	137
Fuel burn/seat			
500 nmi	kg (lb)	19.4 (42.7)	
1,000 nmi	kg (lb)	34.4 (75.7)	

- Inclusive-tour seating.
- Typical mission rules.

*Fuel volume limited.

757-200 performance summary

StartupBoeing

Rolls-Royce engines - Inclusive Tour

		Basic	Maximum
Passengers	(FC/EC)	228	
Cargo volume	m ³ (ft ³)	47.3 (1,670)	
Engines		RB211-535E4	RB211-535E4B
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	40,200/84	43,500/77
Maximum taxi weight	kg (lb)	100,240 (221,000)	116,120 (256,000)
Maximum takeoff weight	kg (lb)	99,790 (220,000)	115,660 (255,000)
Maximum landing weight	kg (lb)	89,810 (198,000)	95,250 (210,000)
Maximum zero fuel weight	kg (lb)	83,460 (184,000)	84,360* (186,000)*
Operating empty weight	kg (lb)	58,570 (129,130)	58,570 (129,130)
Fuel capacity	L (U.S. gal)	42,680 (11,276)	43,490 (11,489)
Design range (MTOW, full passenger payload)	nmi (km)	2,020 (3,740)	3,610** (6,685)**
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	1,660 (5,450)	2,070 (6,800)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	38,700	35,600
Landing field length (MLW)	m (ft)	1,420 (4,660)	1,505 (4,950)
Approach speed (MLW)	kias	132	137
Fuel burn/seat			
500 nmi	kg (lb)	20.5 (45.1)	20.5 (45.1)
1,000 nmi	kg (lb)	36.3 (79.9)	36.3 (79.9)

- Inclusive-tour seating.
- Typical mission rules.

* MZFW of 85,275 kg (188,000 lb) is available if MTW is reduced to 115,210 kg (254,000 lb).

** Fuel volume limited.

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757-300 performance summary

StartupBoeing

Pratt & Whitney engines - Inclusive Tour

		Basic	Maximum
Passengers	(FC/EC)	280	
Cargo volume	m ³ (ft ³)	67.1 (2,370)	
Engines		PW2040	PW2043
SL standard-day takeoff thrust/flat-rated temperature (BET)	lb/°F	40,100/87	42,600/96
Maximum taxi weight	kg (lb)	109,310 (241,000)	124,050 (273,500)
Maximum takeoff weight	kg (lb)	108,860 (240,000)	123,830 (273,000)
Maximum landing weight	kg (lb)	101,600 (224,000)	101,600 (224,000)
Maximum zero fuel weight	kg (lb)	95,250 (210,000)	95,250 (210,000)
Operating empty weight	kg (lb)	64,340 (141,860)	64,340 (141,860)
Fuel capacity	L (U.S. gal)	43,400 (11,466)	43,400 (11,466)
Design range (MTOW, full passenger payload)	nmi (km)	1,680 (3,110)	3,235* (5,990)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	2,100 (6,900)	2,635 (8,650)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	36,950	34,250
Landing field length (MLW)	m (ft)	1,735 (5,700)	1,735 (5,700)
Approach speed (MLW)	kias	142	142
Fuel burn/seat			
500 nmi	kg (lb)	17.6 (38.9)	17.6 (38.9)
1,000 nmi	kg (lb)	32.0 (70.5)	31.9 (70.4)

- Inclusive-tour seating.
- Typical mission rules.

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757-300 performance summary

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Maximum taxi weight	kg (lb)	109,310 (241,000)	124,055 (273,500)
Maximum takeoff weight	kg (lb)	108,860 (240,000)	123,830 (273,000)
Maximum landing weight	kg (lb)	101,600 (224,000)	101,600 (224,000)
Maximum zero fuel weight	kg (lb)	95,250 (210,000)	95,250 (210,000)
Operating empty weight	kg (lb)	64,430 (142,060)	64,430 (142,060)
Fuel capacity	L (U.S. gal)	43,400 (11,466)	43,400 (11,466)
Design range (MTOW, full passenger payload)	nmi (km)	1,540 (2,850)	3,020* (5,595)*
Cruise Mach		0.80	0.80
Takeoff field length (SL, 86°F, MTOW)	m (ft)	2,115 (6,950)	2,605 (8,550)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	36,950	34,300
Landing field length (MLW)	m (ft)	1,735 (5,700)	1,735 (5,700)
Approach speed (MLW)	kias	142	142
Fuel burn/seat			
500 nmi	kg (lb)	18.7 (41.3)	
1,000 nmi	kg (lb)	33.8 (74.5)	

- Inclusive-tour seating.
- Typical mission rules.

*Fuel volume limited.