



GERMAN AIRWAYS

EMBRAER E190-100LR



E190 SINGLE CLASS CONFIGURATION
100 SEATS AT 32"/31" PITCH

WEIGHTS	LR		AR	
Maximum Takeoff Weight	50,300 kg	110,893 lb	51,800 kg	114,199 lb
Maximum Lading Weight	43,000 kg	94,799 lb	44,000 kg	97,003 lb
Basic Operating Weight (std)	27,753 kg	61,185 lb	27,853 kg	61,405 lb
Maximum Zero Fuel Weight	40,800 kg	89,949 lb	40,900 kg	90,169 lb
Maximum Payload	13,047 kg	28,764 lb	13,047 kg	28,764 lb
Maximum Usable Fuel*	12,971 kg	28,596 lb	12,971 kg	28,596 lb
Maximum Usable Fuel	16,153 l	4,267 gal	16,153 l	4,267 gal

(* Fuel density: 0.803 kg/l (6.70 lb/gal)

RANGE FROM NAIROBI



■ E190 LR CF34-10E6,
100 seats

Full Pax
Passengers at 90.7 kg (200 lb)
Cruise at LRC
85% annual winds
85% airport temp
FAR International reserves
100 nm alternate

PERFORMANCE	LR	AR
Max Cruise Speed	M 0.82	M 0.82
Time to climb to FL350 TOW for 500 nm, full PAX*	16 min	16 min
Takeoff field length TOW for 500nm, full PAX*, ISA, SL, E5 engines	1,267 m	1,267 m
	4,157 ft	4,157ft
Takeoff field length MTOW, ISA, SL - E5 engines for LR; E5A1 engines for AR version	1,830 m	2,100 m
	6,004 ft	6,890 ft
Landing field length MLW, ISA, SL	1,226 m	1,244 m
	4,022 ft	4,081 ft
Service Ceiling	41,000 ft	41,000 ft
Range Full PAX*, LRC, typical mission reserves	2,400 nm	2,450 nm
	4,445 km	4,537 km

(* Single-class seating at 32" pitch; Passengers at 100 kg (220 lb)