

MD-90

StartupBoeing



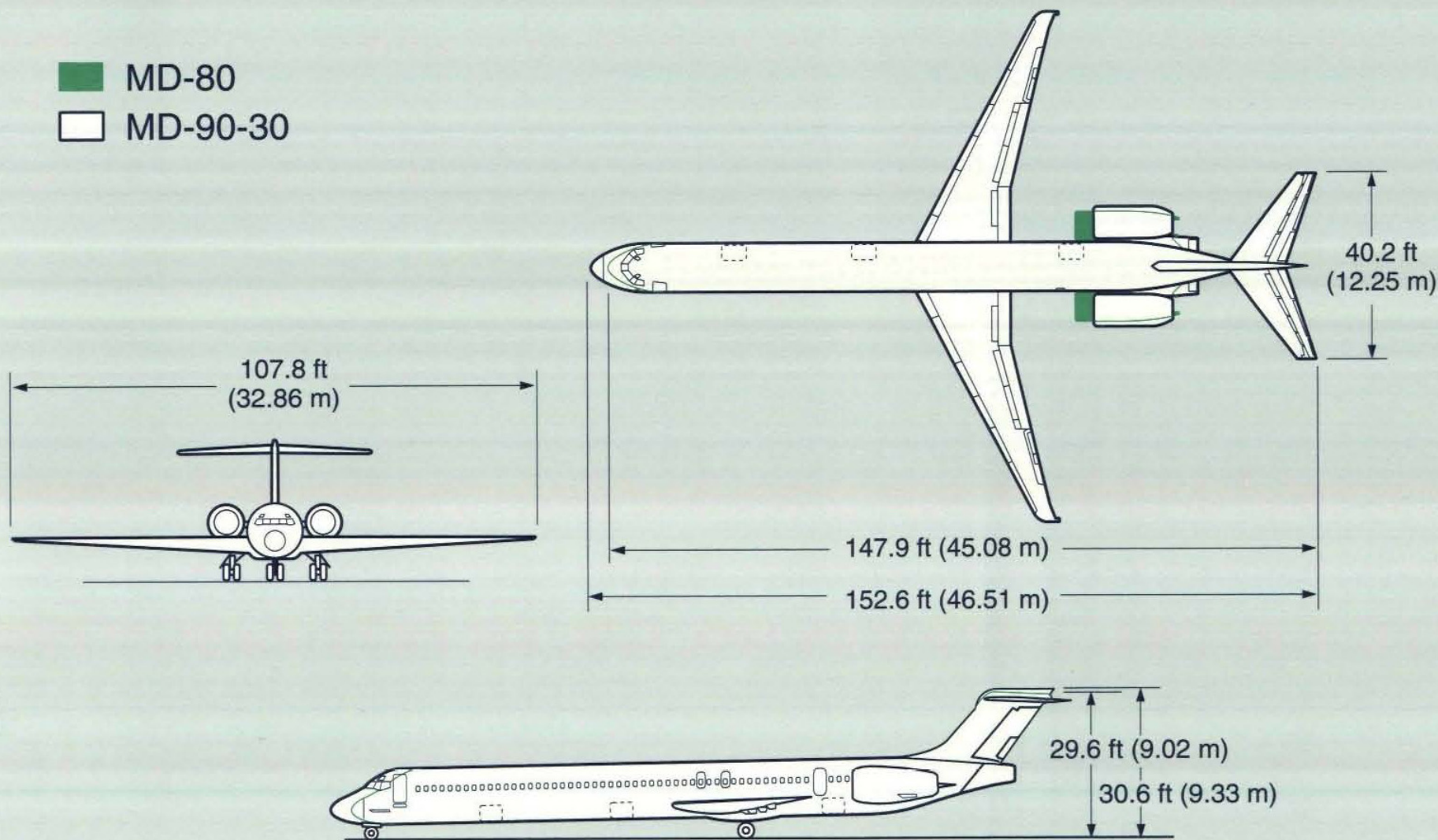
MD-90

StartupBoeing



MD-90 External Dimensions

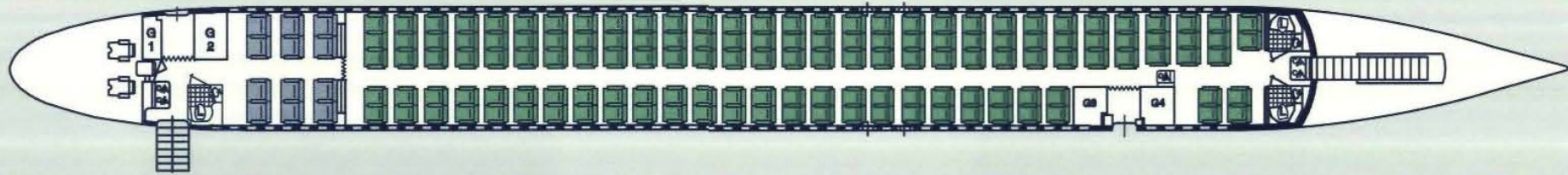
StartupBoeing



MD-90 Interior Arrangements

StartupBoeing

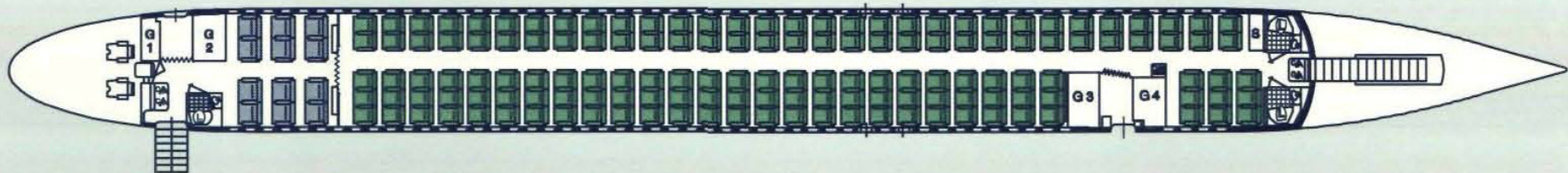
Mixed Class – 153 Passengers



First 12 Seats, 36-in. Pitch
Economy 141 Seats, 33/32/31-in. Pitch

J148725B

Mixed Class – 158 Passengers



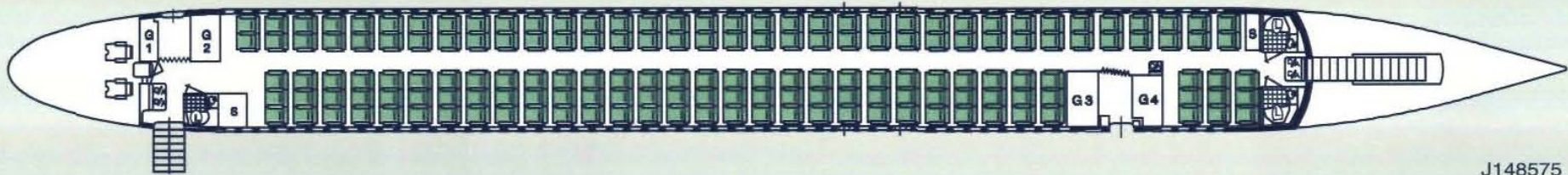
First 12 Seats, 36-in. Pitch
Economy 146 Seats, 32/31-in. Pitch

J14572

MD-90 Interior Arrangements

StartupBoeing

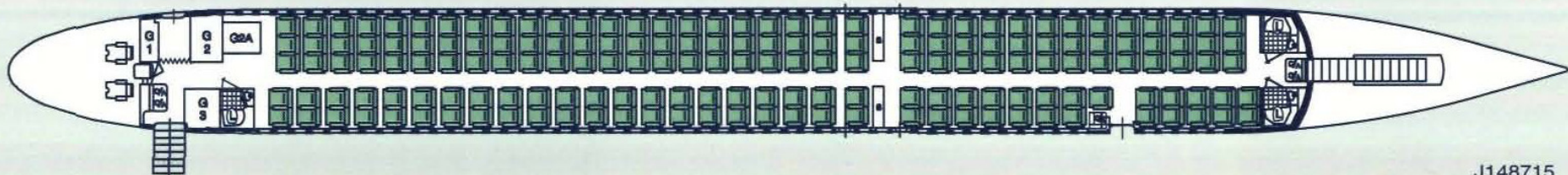
Single Class – 163 Passengers



All Economy 163 Seats, 33/31-in. Pitch

J148575

Single Class – 172 Passengers



All Economy 172 Seats, 31/29-in. Pitch

J148715

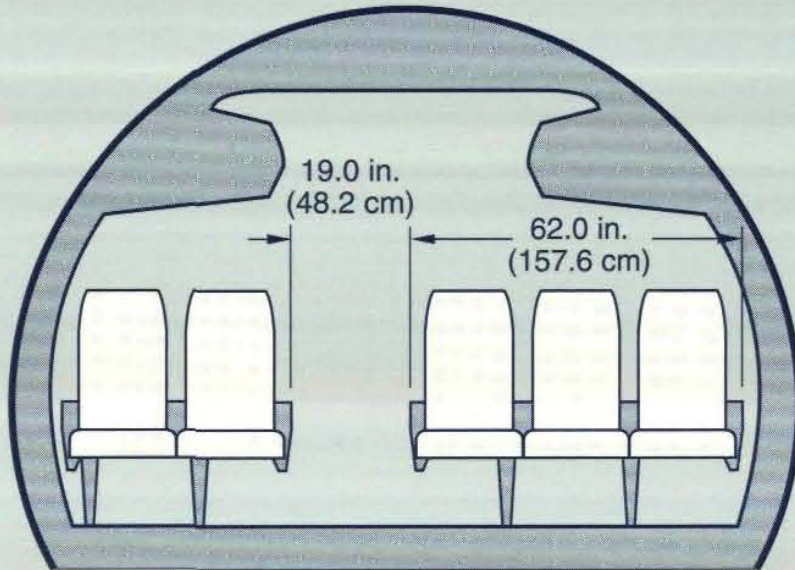
MD-90 Interior

StartupBoeing

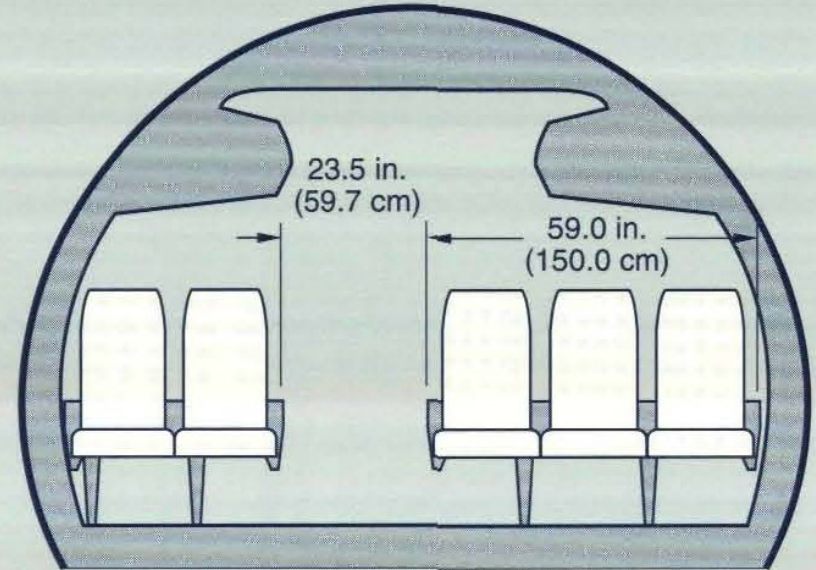


MD-90 Interior

StartupBoeing



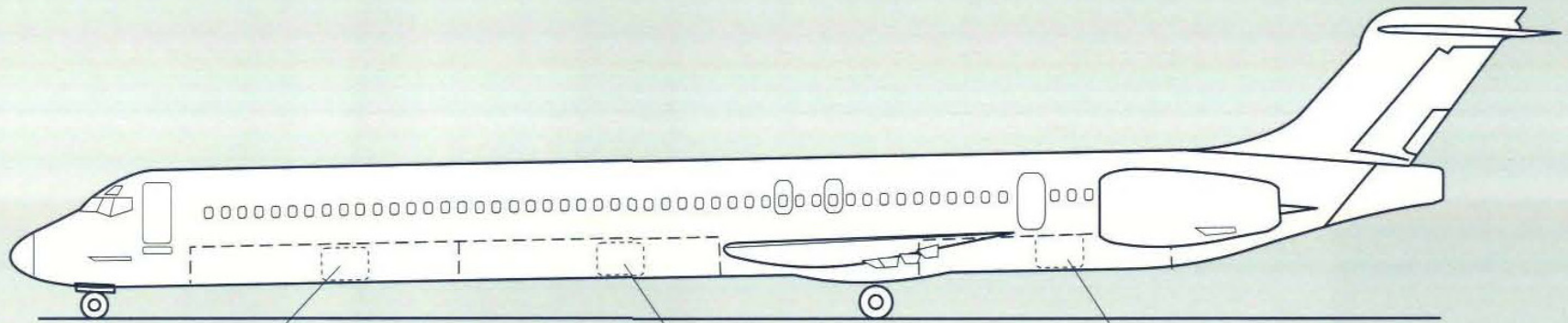
MD-90



MD-90 Wide Aisle Option

MD-90 Cargo Compartment

StartupBoeing



Forward Cargo
Compartment Access
53 by 50 in.
(134.6 by 127.0 cm)

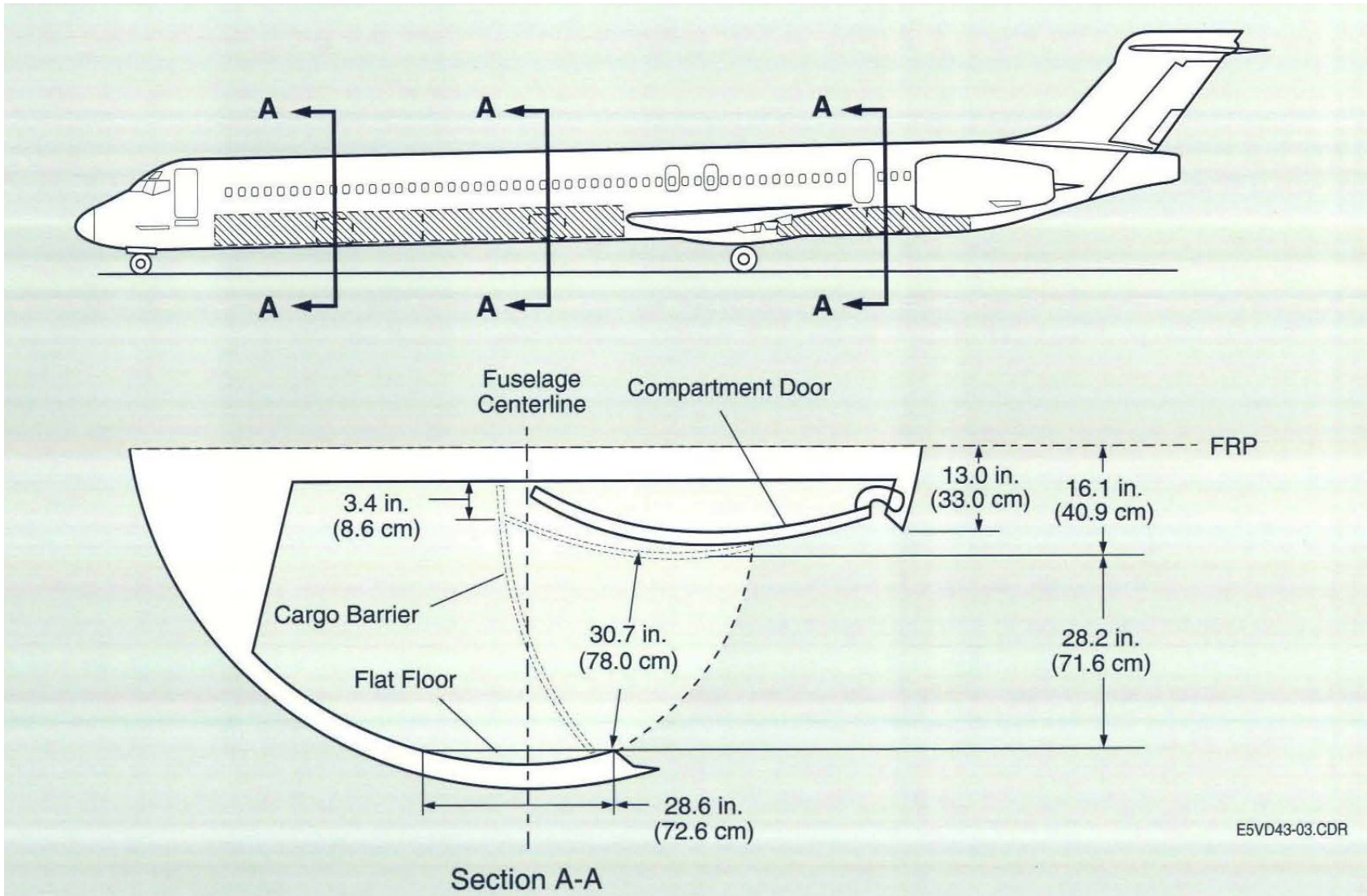
Mid Cargo
Compartment Access
53 by 50 in.
(134.6 by 127.0 cm)

Aft Cargo
Compartment Access
53 by 50 in.
(134.6 by 127.0 cm)

	Forward Cargo Compartment	Mid Cargo Compartment	Aft Cargo Compartment	Total Cargo
MD-90-30	434 cu ft (12.3 cu m)	466 cu ft (13.2 cu m)	400 cu ft (11.3 cu m)	1,300 cu ft (36.8 cu m)

MD-90 Cargo Door Clearances

StartupBoeing



E5VD43-03.CDR

MD-90 Cargo Hold

StartupBoeing



MD-90 Characteristics

StartupBoeing

		MD-90-30ER	MD-90-30ER*
Engine		V2525-D5	V2525-D5
Passenger Capacity (Mixed Class)		153	153
Maximum Takeoff Weight	lb / kg	166,000 / 75,296	166,000 / 75,296
Maximum Landing Weight	lb / kg	142,000 / 64,410	142,000 / 64,410
Maximum Zero Fuel Weight	lb / kg	132,000 / 59,874	132,000 / 59,874
Operational Empty Weight	lb / kg	88,400 / 40,098	89,188 / 40,455
Fuel Capacity	lb / kg	39,128 / 17,748	42,913 / 19,465
Cargo Volume	cu ft / cu m	1,300 / 36.81	1,183 / 33.50
Range With Full Load of Passengers and Baggage	n mi / km	2,237 / 4,143	2,455 / 4,547

* Optional 565 USG Auxiliary Fuel Tank

MD-90-30 Characteristics

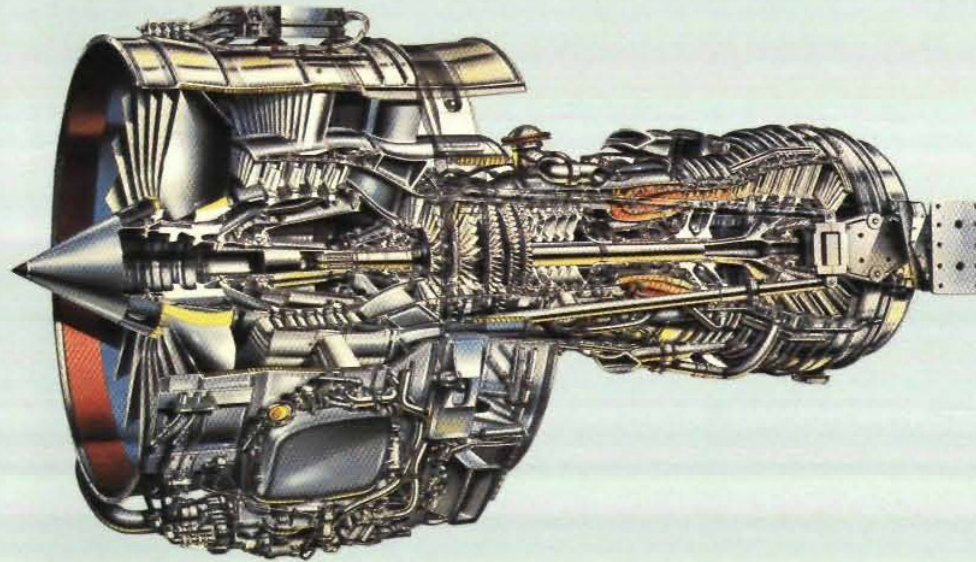
StartupBoeing

Engine		V2525-D5
Passenger Capacity (Mixed Class)	No.	153
Maximum Takeoff Weight*	lb / kg	156,000 / 70,760
Maximum Landing Weight	lb / kg	142,000 / 64,410
Maximum Zero Fuel Weight	lb / kg	130,000 / 58,967
Operational Empty Weight	lb / kg	88,200 / 40,007
Fuel Capacity	lb / kg	39,128 / 17,748
Cargo Volume	cu ft / cu m	1,300 / 36.8
Range With Full Load of Passengers and Baggage	n mi / km	2,045 / 3,787

*Optional MTOGW 160,500 lb / 72,803 kg Available

MD-90 V2500 Engine Characteristics

StartupBoeing

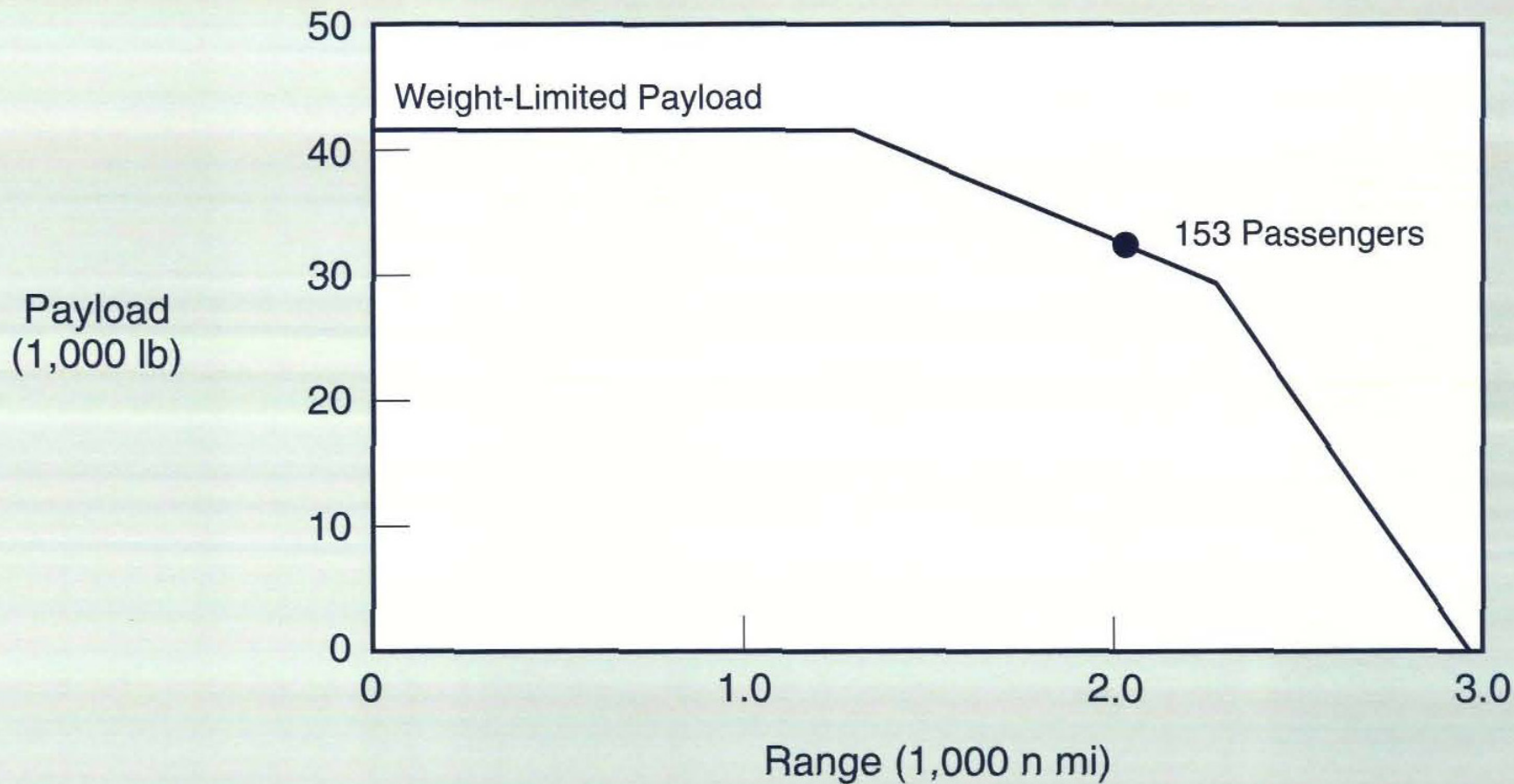


		V2525-D5	V2528-D5
Rated Thrust	(lb/kN)	25,000 / 111.2	28,000 / 124.6
Flat-Rated T.O.	(°F/°C)	86 / 30	86 / 30
Fan Diameter	(in./m)	63.5 / 1.6	63.5 / 1.6
Dry Engine Weight	(lb/kg)	5,252 / 2,382	5,252 / 2,382
Overall Pressure Ratio		27.7	30.4
Bypass Ratio		4.8	4.7

MD-90 Payload-Range Capability

StartupBoeing

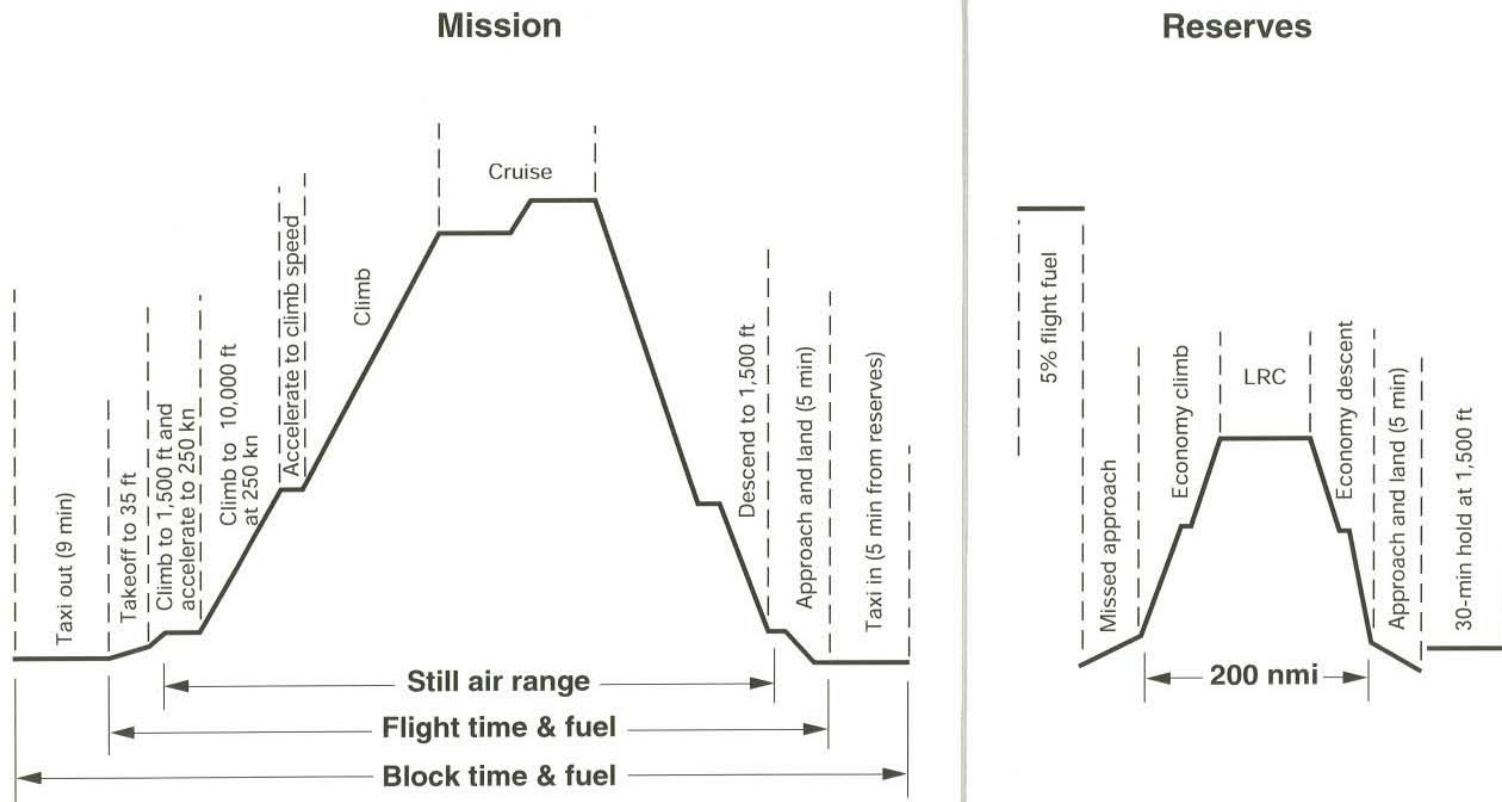
MD-90-30



MD-90 Mission Profile

StartupBoeing

Typical Mission Rules



- Standard day
- Fuel density 6.7 lb/U.S. gal
- Nominal performance

MD-90 Range Capability

StartupBoeing

MD-90-30

From Beijing



From Kunming



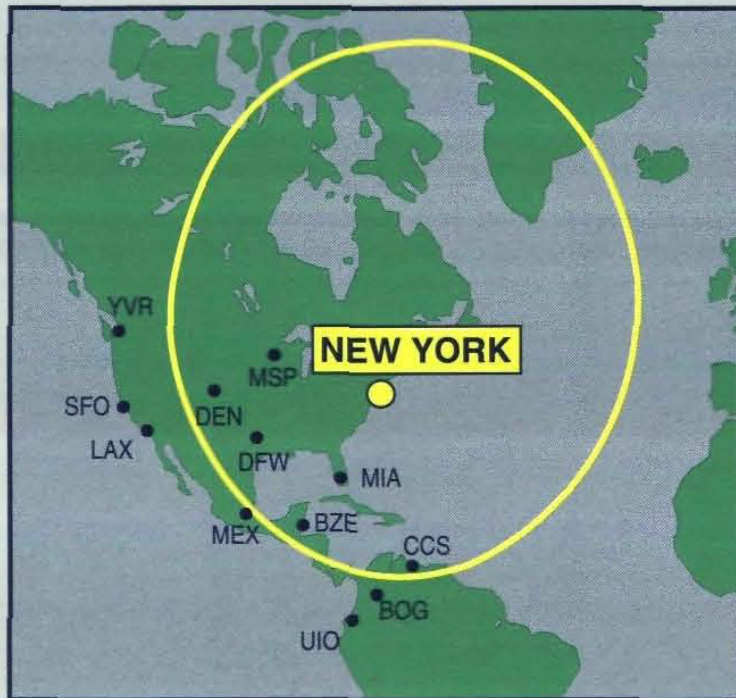
85% Annual Winds
Full Passenger Payload

MD-90 Range Capability

StartupBoeing

MD-90-30

From New York



From Rio de Janeiro



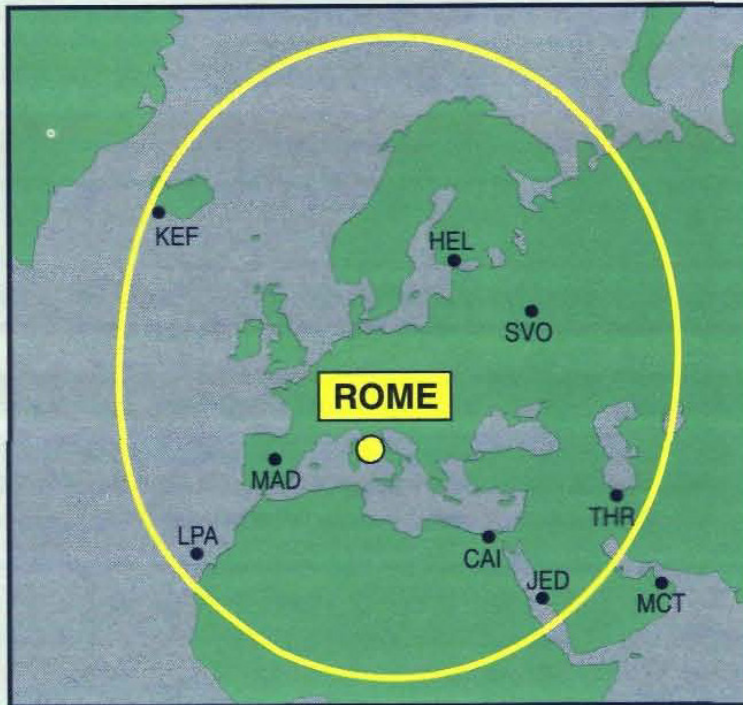
85% Annual Winds
Full Passenger Payload

MD-90 Range Capability

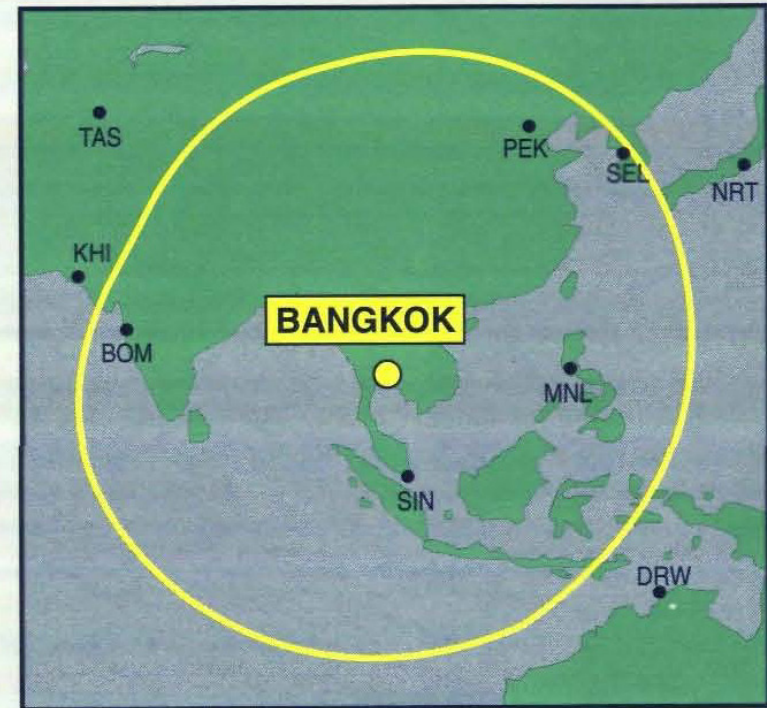
StartupBoeing

MD-90-30

From Rome



From Bangkok



85% Annual Winds
Full Passenger Payload

MD-90 Flight Deck

StartupBoeing

