The 737-300/-400/-500 Offers Flexibility to Meet Market Demands
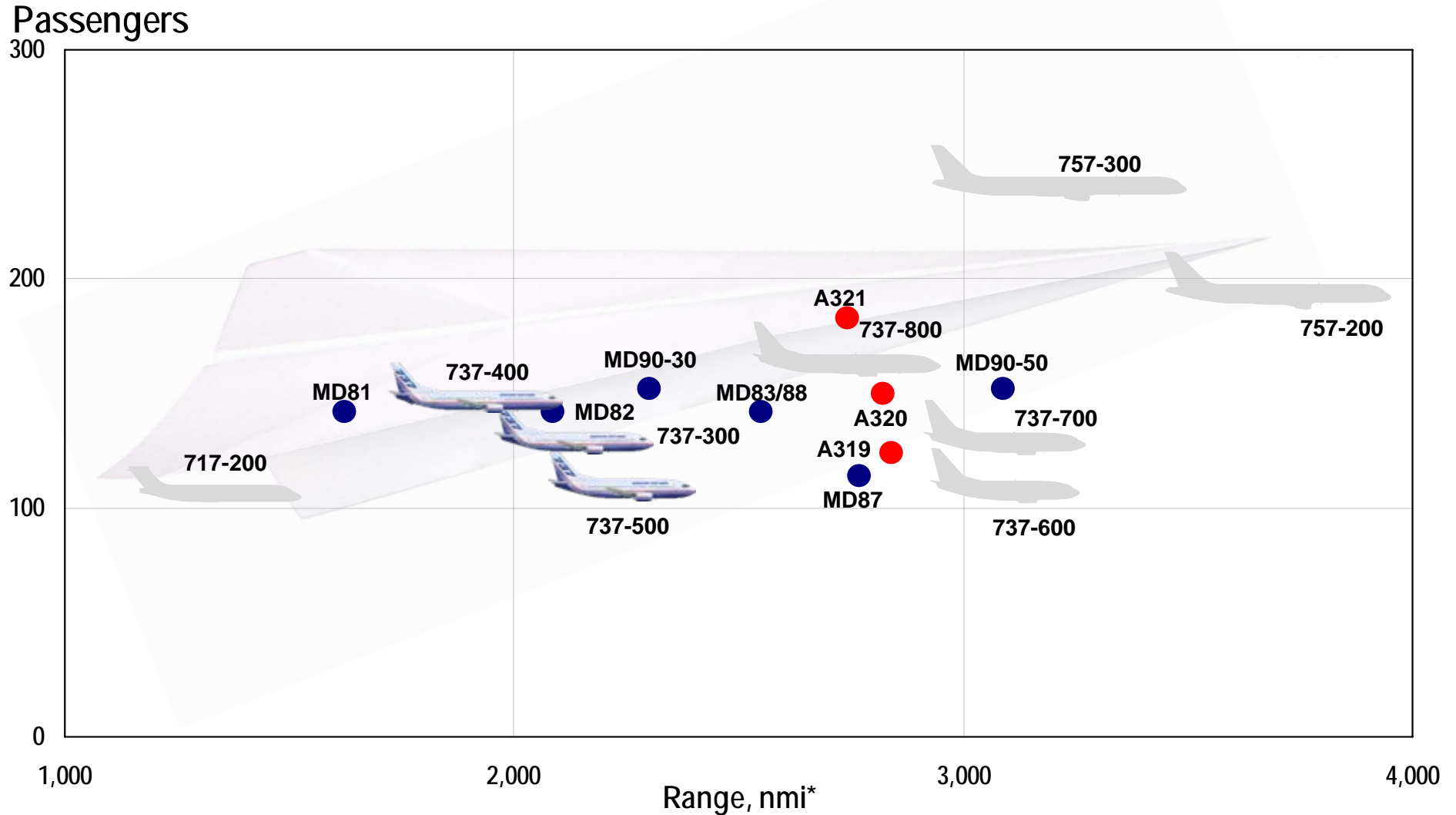
Passengers

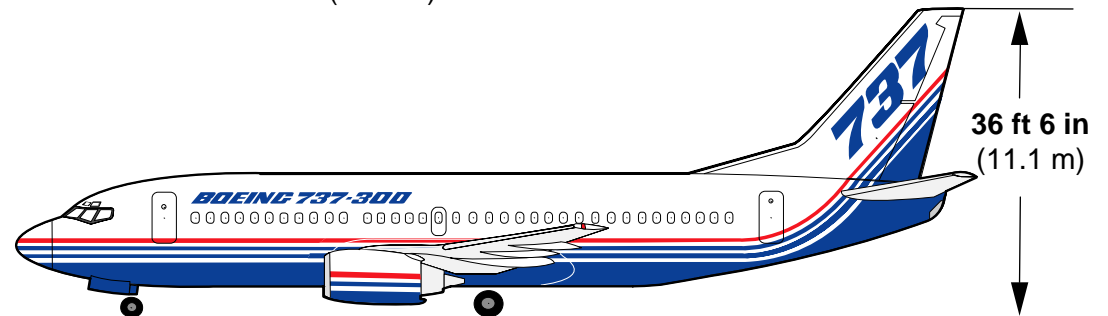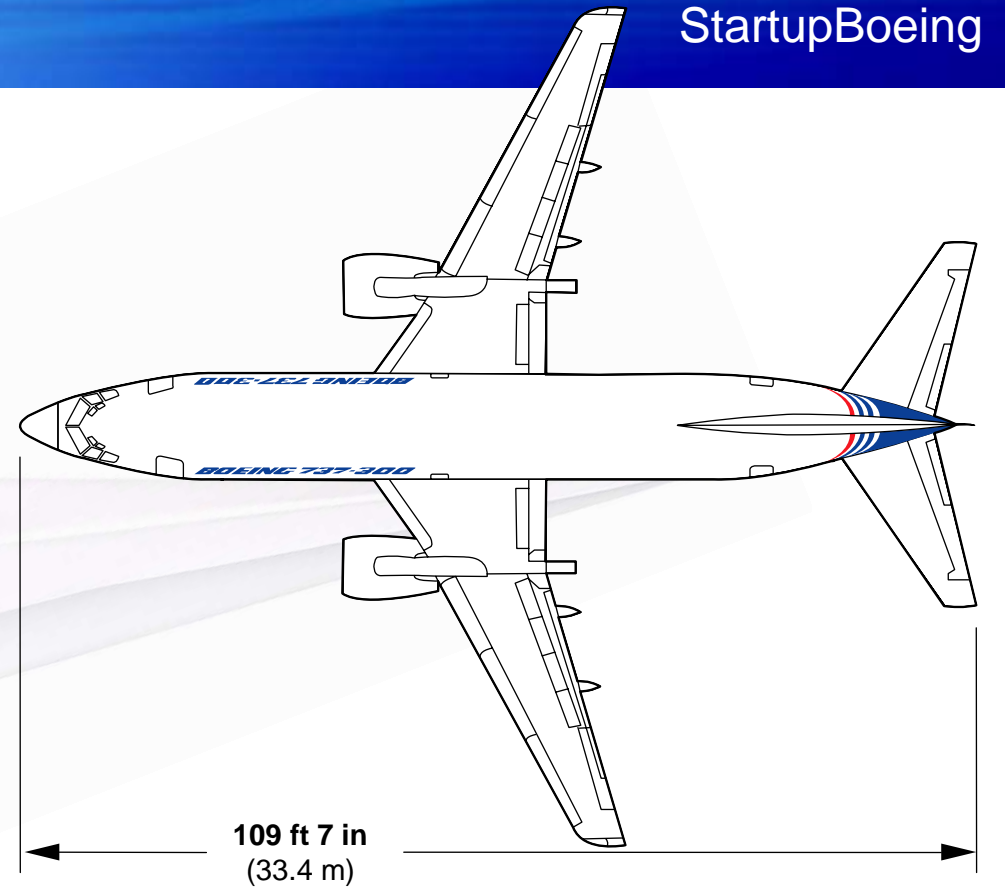

Range, nmi*

*Maximum range at full passenger payload

General Arrangement
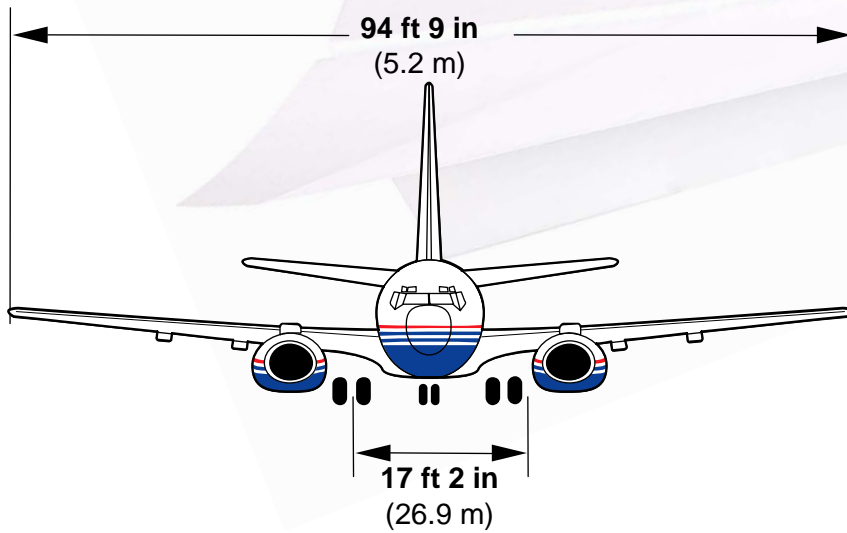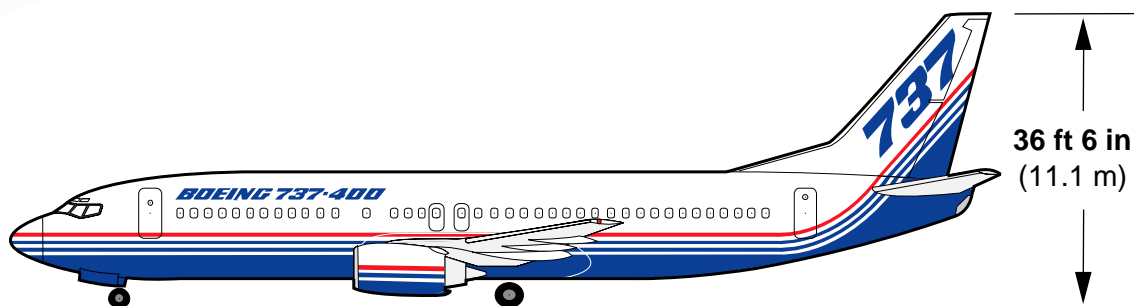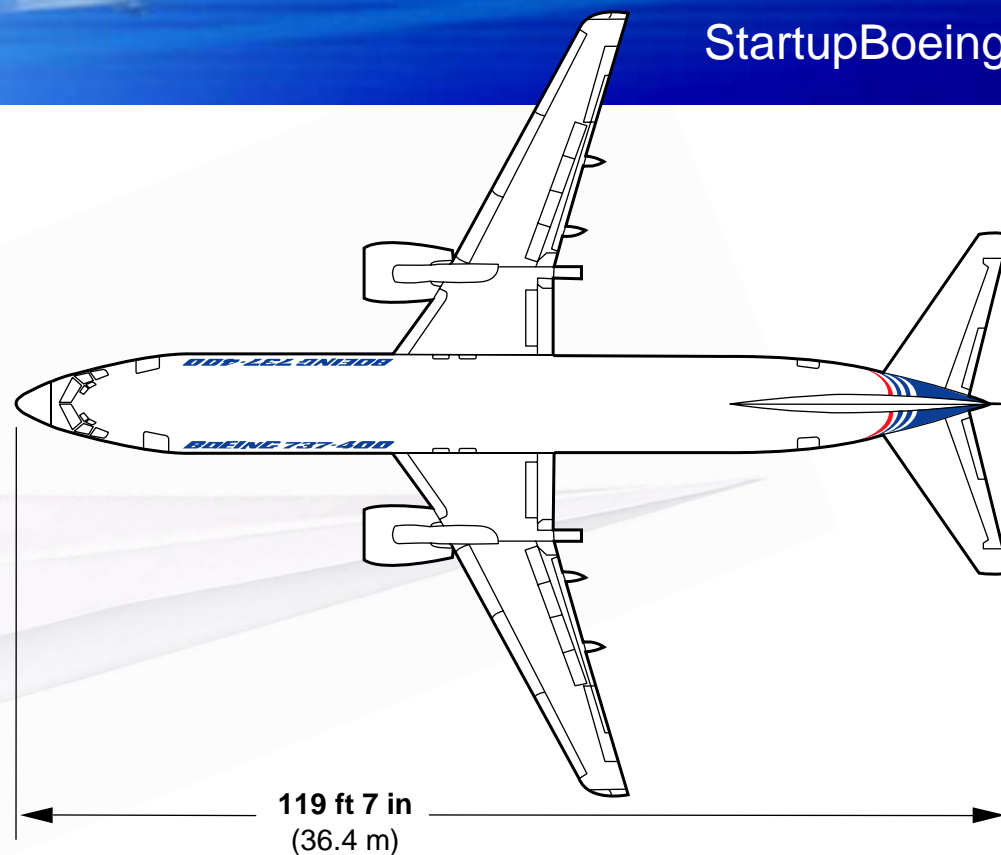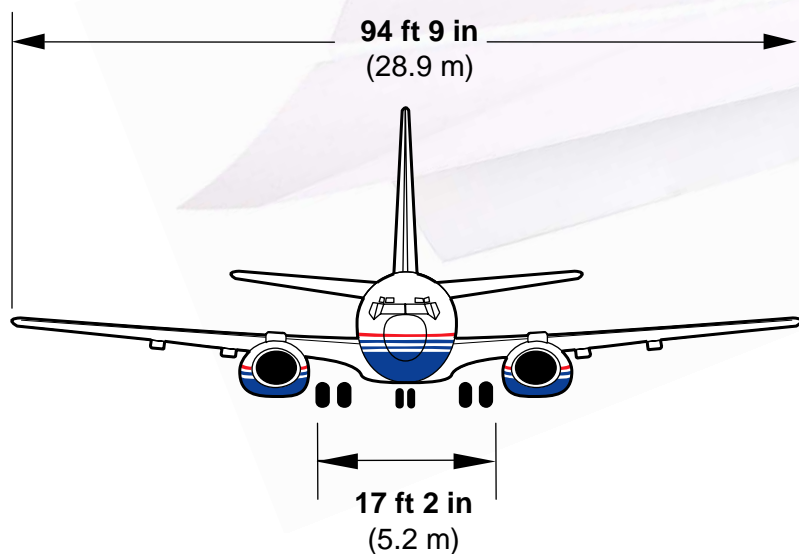
737-300

94 ft 9 in
(5.2 m)

17 ft 2 in
(26.9 m)

109 ft 7 in
(33.4 m)

36 ft 6 in
(11.1 m)

BOEING 737-300

737

General Arrangement

737-400

94 ft 9 in
(28.9 m)

119 ft 7 in
(36.4 m)

17 ft 2 in
(5.2 m)

36 ft 6 in
(11.1 m)

BOEING 737-400

737

737-500

94 ft 9 in
(28.9 m)

101 ft 9 in
(31.0 m)

17 ft 2 in
(5.2 m)

36 ft 6 in
(11.1 m)

BOEING 737-500

737
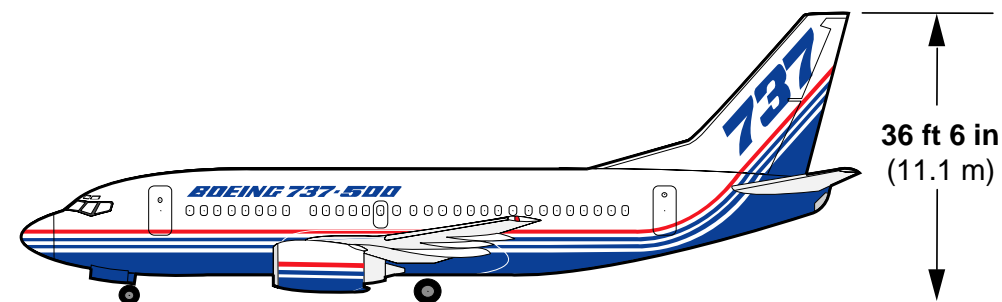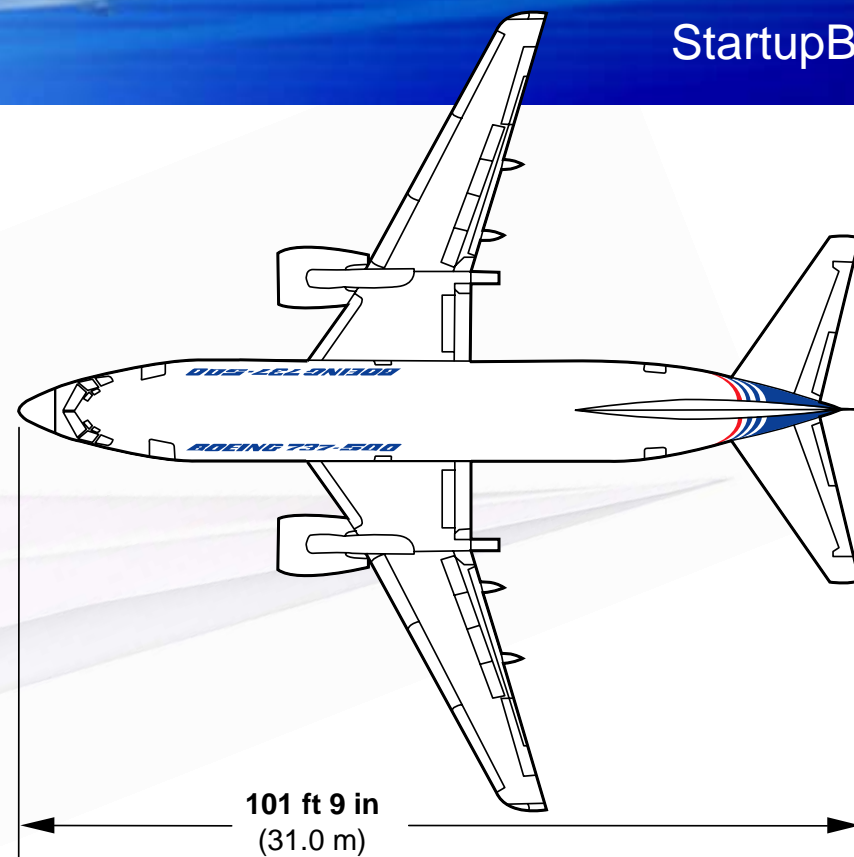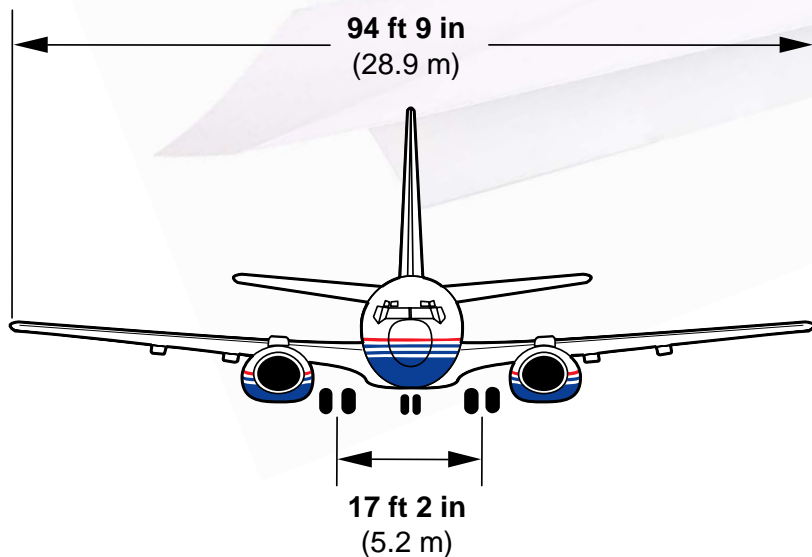
Interior Arrangements

Two-Class

737-500
8 first
102 economy
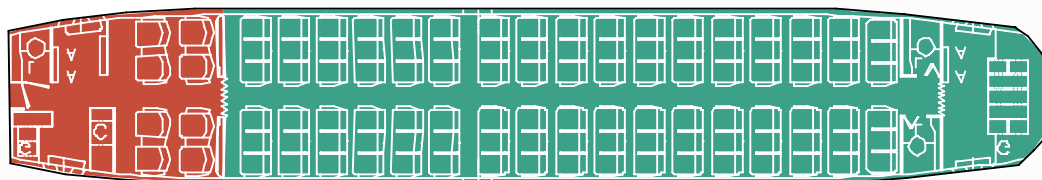
110 passengers

737-300
8 first
118 economy
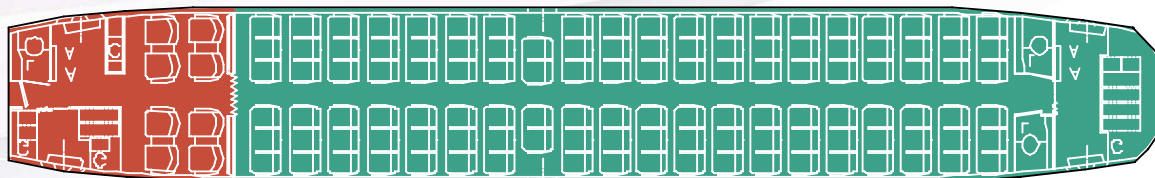
126 passengers

737-400
10 first
137 economy

147 passengers

• 36-/-32-in pitch

B370078
B370082
B370107

Interior Arrangements

One-Class
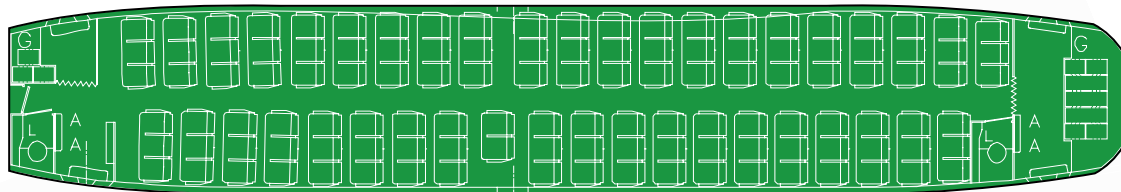
737-500

122 passengers

737-300
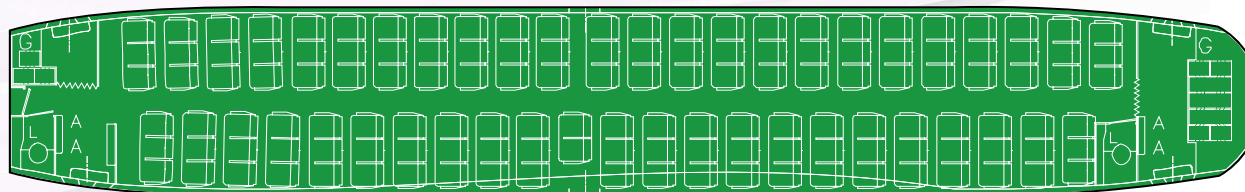
140 passengers

737-400
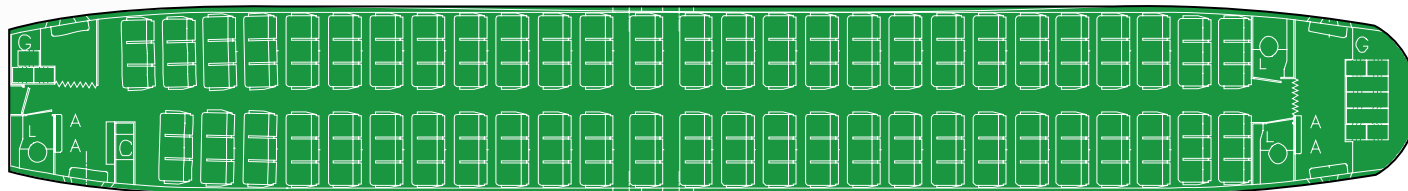
159 passengers

- 32-in pitch

B370130
B370137
B370129

Interior Arrangements

Inclusive Tour

737-500

Exit limits: 145 passengers
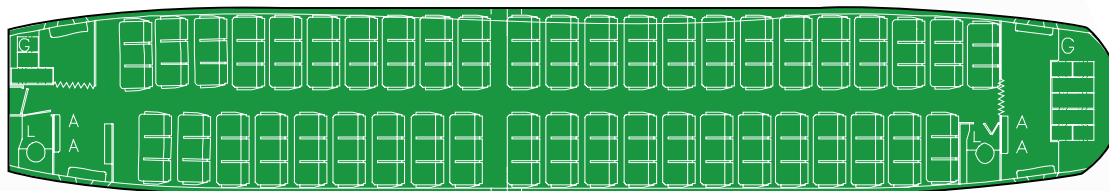
132 passengers

737-300

Exit limits: 149 passengers
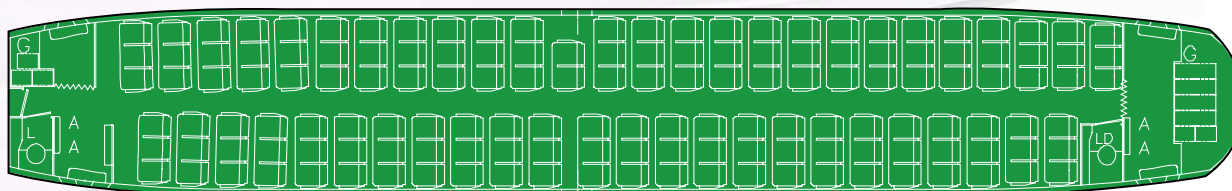
149 passengers

737-400

Exit limits: 188 passengers
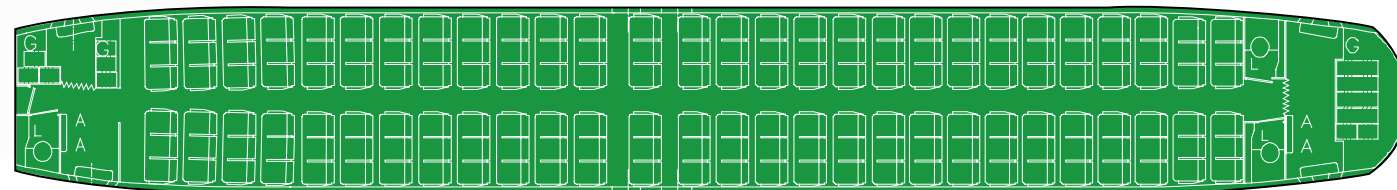
168 passengers

- 30-in pitch

B370131
B370144
B370141

Comfort in Every Class

First class

21.0 (53.3)
7.0 (17.8)
4.0 (10.2)
24.0 (61.0)
57.0 (144.8)

Business class

46.0 (116.8)
19.0 (48.3)
84.2 (213.9)
3.5 (8.9)
2.5 (6.4)
69.0 (175.3)
23.0 (58.4)
46.0 (116.8)

Economy class

17.0 (43.2)
2.0 (5.1)
59.0 (149.9)
20.0 (50.8)
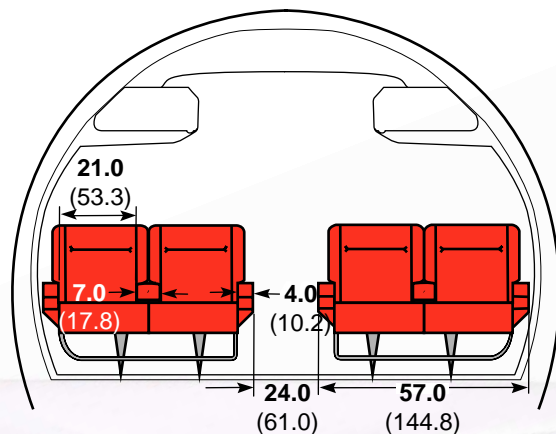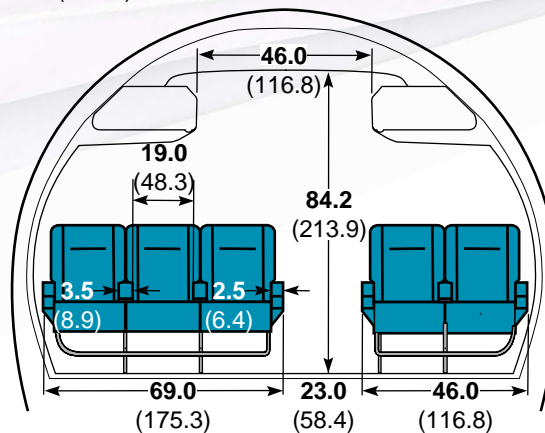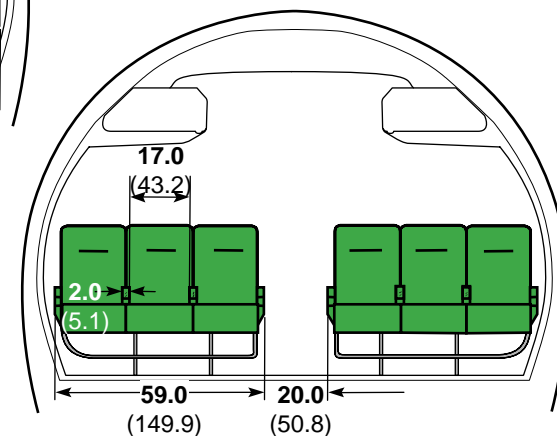
737-300/-400/-500 First-Class Seating

737-300/-400/-500 Economy Seating

737 Lower Hold Volume

737-300/-400/-500

124 in
(315 cm)

44.4 in* (113 cm)

48 in (122 cm)
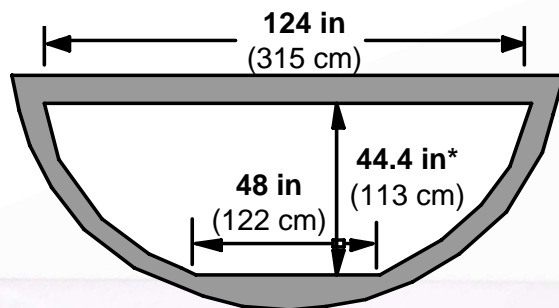
Total volume

737-300 = 1,068 ft^3 (30.2 m^3)
737-400 = 1,373 ft^3 (38.9 m^3)
737-500 = 822 ft^3 (23.3 m^3)

Forward

Aft
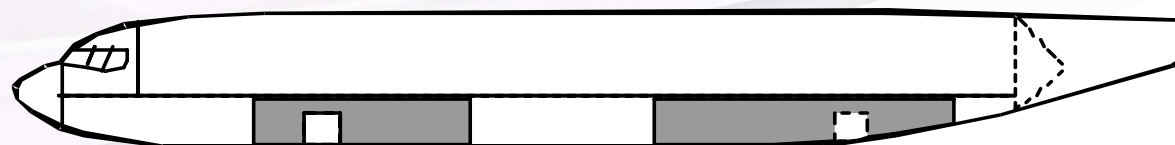
Door 35 in x 48 in
(89 cm x 122 cm)

737-300 = 425 ft^3 (12.0 m^3)
737-400 = 607 ft^3 (17.2 m^3)
737-500 = 287 ft^3 (8.1 m^3)

Door 33 in x 48 in
(84 cm x 122 cm)

737-300 = 643 ft^3 (18.2 m^3)
737-400 = 766 ft^3 (21.7 m^3)
737-500 = 535 ft^3 (15.2 m^3)

*47.1 in (120 cm) forward end of aft compartment

Cargo Hold Can Be Loaded Easily by Hand

737-300/-400/-500

35 in (89cm) **F**

33 in (84 cm) **A**

Cargo handling equipment not required

55 in (140 cm) **maximum**

55 in (127 cm) **maximum**

T

S
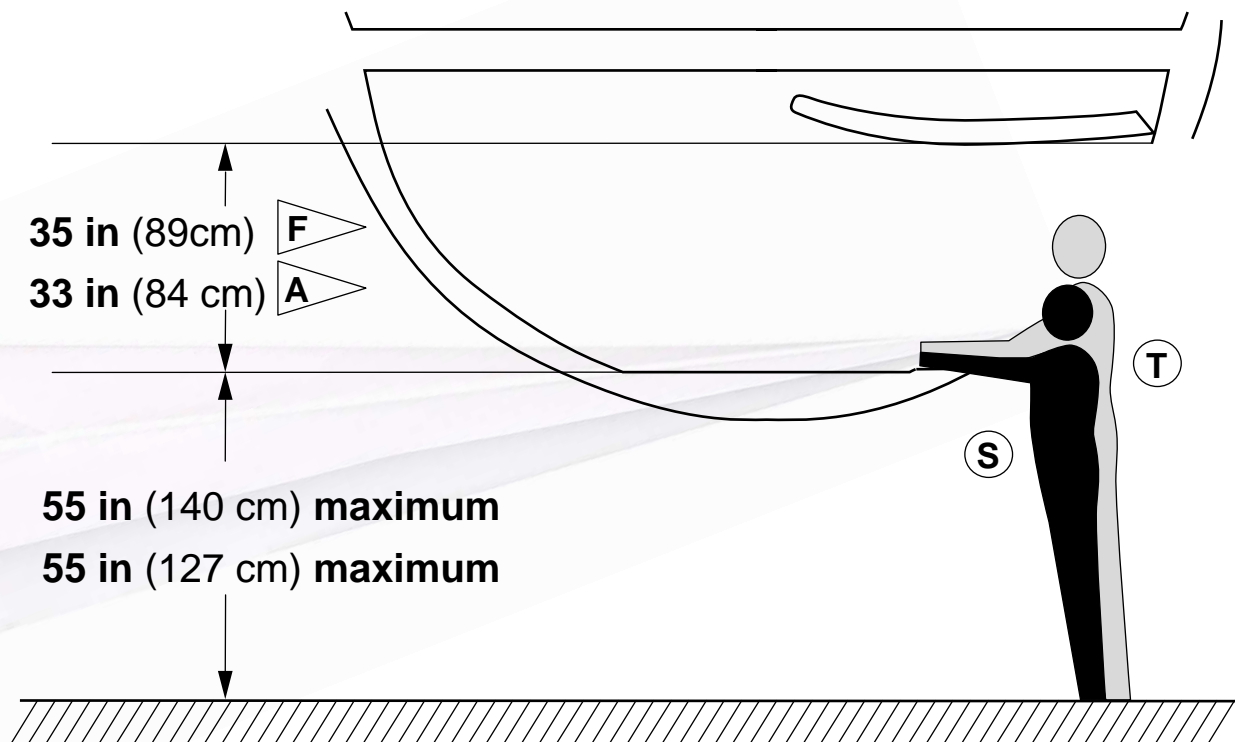
F Forward cargo hold

A Aft cargo hold

T 97.5-percentile man: 6 ft 2 in (188 cm) tall

S 2.5-percentile man: 5 ft 3.5 in (161 cm) tall

Performance Summary

737-300 Mixed-Class Interior

		737-300 Basic GW	737-300 HGW
Engines		CFM56-3C-1	CFM56-3C-1
Engine rating/flat rated temp	lb/°F	20,000/86	22,000/86
Passengers	FC/TC	126 (8/118)	126 (8/118)
Cargo volume	ft³ **(m³)**	1,068 **(30.2)**	1,068 **(30.2)**
Maximum design - takeoff	lb **(kg)**	124,500 **(56,470)**	138,500 **(62,820)**
- landing	lb **(kg)**	114,000 **(57,710)**	116,600 **(52,880)**
- zero fuel	lb **(kg)**	105,000 **(47,620)**	109,600 **(49,710)**
Operating empty weight	lb **(kg)**	72,360 **(32,820)**	72,360 **(32,820)**
Fuel capacity	U.S. gal **(L)**	5,311 **(20,100)**	5,311 **(20,100)**
Design range	nmi	1,635	2,255*
Cruise Mach number (LRC avg for design range)		0.745	0.745
Takeoff field length (TOFL) **[MTOW, SL., 86°F]**	ft **(m)**	6,500 **(1,981)**	7,500 **(2,286)**
Altitude capability–all engines **(ISA + 10°C) [MTOW]**	ft	35,700	33,450
Landing field length **[MLW, S.L.]**	ft **(m)**	4,580 **(1,396)**	4,700 **(1,433)**
Approach speed **[MLW]**	kt	133	135
Block fuel per passenger - 500 nmi	lb/pass **(kg/pass)**	56.7 **(25.7)**	56.6 **(25.7)**
- 1,000 nmi	lb/pass **(kg/pass)**	102.0 **(46.3)**	102.0 **(46.3)**

*Fuel volume limited

Performance Summary

737-400 Mixed-Class Interior

		737-400 Basic GW	737-400 HGW
Engines		CFM56-3C-1	CFM56-3C-1
Engine rating/flat rated temp	lb/°F	22,000/86	23,500/86
Passengers	FC/TC	147 (10/137)	147 (10/137)
Cargo volume	ft³ (m³)	1,373 (38.9)	1,373 (38.9)
Maximum design - takeoff	lb (kg)	138,500 (62,820)	150,000 (68,040)
- landing	lb (kg)	121,000 (54,880)	124,000 (56,240)
- zero fuel	lb (kg)	113,000 (51,250)	117,000 (53,070)
Operating empty weight	lb (kg)	76,180 (34,560)	76,760 (34,820)
Fuel capacity	U.S. gal (L)	5,311 (20,100)	5,311 (20,100)
Design range	nmi	1,907	2,060*
Cruise Mach number (LRC avg for design range)		0.745	0.745
Takeoff field length (TOFL) **[MTOW, SL., 86°F)**	ft (m)	7,350 (2,240)	8,690 (2,649)
Altitude capability–all engines **(ISA + 10°C) [MTOW]**	ft	33,400	31,700
Landing field length **[MLW, S.L.]**	ft (m)	4,880 (1,487)	5,050 (1,539)
Approach speed **[MLW]**	kt	137	139
Block fuel per passenger - 500 nmi	lb/pass (kg/pass)	51.7 (23.5)	56.6 (23.5)
- 1,000 nmi	lb/pass (kg/pass)	93.7 (42.5)	102.0 (42.7)

*Fuel volume limited

Performance Summary

737-500 Mixed-Class Interior

		737-500 Basic GW	737-500 HGW
Engines		CFM56-3C-1	CFM56-3C-1
Engine rating/flat rated temp	lb/°F	18,500/86	20,000/86
Passengers	FC/TC	110 (8/102)	110 (8/102)
Cargo volume	ft³ (m³)	822 (23.3)	882 (23.3)
Maximum design - takeoff	lb (kg)	115,500 (52,390)	133,500 (60,550)
- landing	lb (kg)	110,000 (49,890)	110,000 (49,890)
- zero fuel	lb (kg)	102,500 (48,490)	103,000 (46,720)
Operating empty weight	lb (kg)	70,440 (31,950)	70,440 (31,950)
Fuel capacity	U.S. gal (L)	5,311 (20,100)	5,311 (20,100)
Design range	nmi	1,415	2,375*
Cruise Mach number (LRC avg for design range)		0.745	0.745
Takeoff field length (TOFL) [MTOW, SL., 86°F)	ft (m)	5,880 (1,792)	8,630 (2,630)
Altitude capability–all engines (ISA + 10°C) [MTOW]	ft	37,000	34,250
Landing field length [MLW, S.L.]	ft (m)	4,450 (1,356)	4,450 (1,356)
Approach speed [MLW]	kt	128	128
Block fuel per passenger - 500 nmi	lb/pass (kg/pass)	62.5 (28.4)	62.5 (28.4)
- 1,000 nmi	lb/pass (kg/pass)	112.0 (50.8)	112.0 (50.8)

*Fuel volume limited

Payload-Range Capability
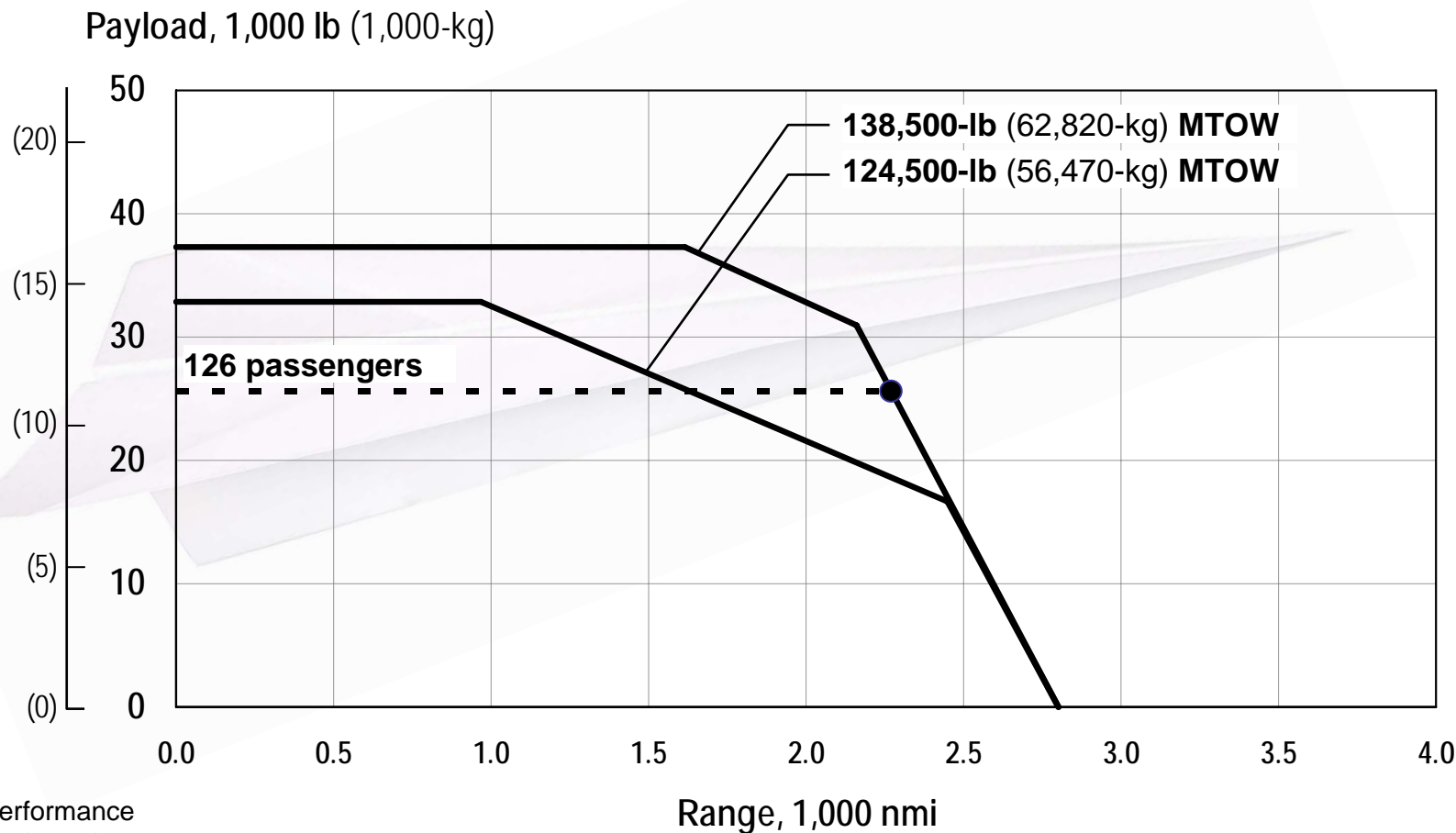
737-300

- Nominal performance
- Typical mission rules
- Mixed-class interiors
- 6.70 lb/U.S. gal fuel density
- 200 lb per passenger

Payload-Range Capability

737-400

Payload, 1,000 lb (1,000-kg)

150,000-lb (68,040-kg) **MTOW**
138,500-lb (62,820-kg) **MTOW**

MZFW limits

147 passengers

Fuel capacity
5,311 U.S. gal (20,100 L)

Range, 1,000 nmi

- Nominal performance
- Typical mission rules
- Mixed-class interiors
- 6.70 lb/U.S. gal fuel density
- 200 lb per passenger

Payload-Range Capability

737-500

Payload, 1,000 lb (1,000-kg)

133,500-lb (60,550-kg) **MTOW**
115,500-lb (52,390-kg) **MTOW**

MZFW limits

110 passengers

Fuel capacity
5,311 U.S. gal (20,100 L)

Range, 1,000 nmi
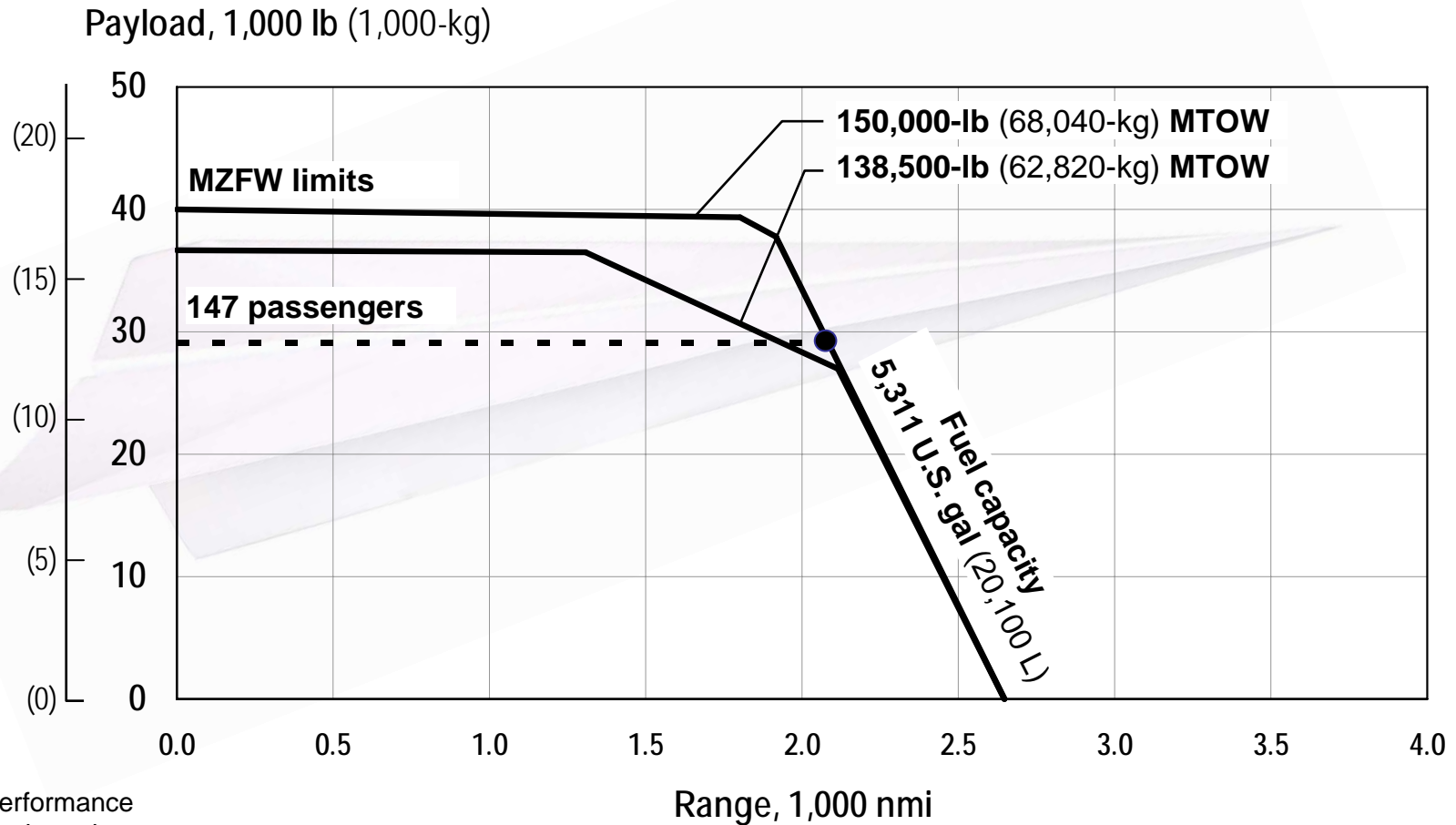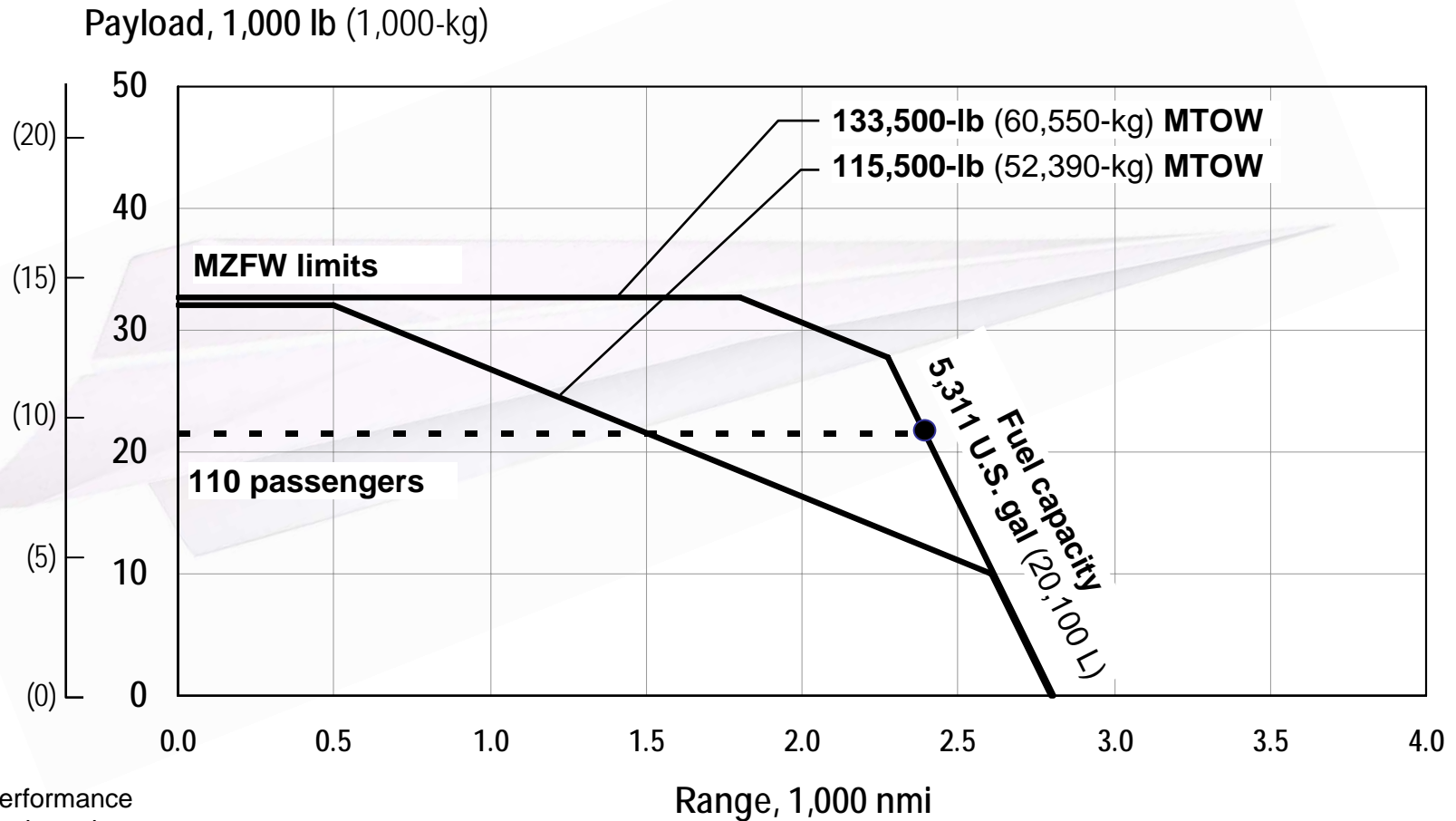
- Nominal performance
- Typical mission rules
- Mixed-class interiors
- 6.70 lb/U.S. gal fuel density
- 200 lb per passenger

Mission Profile

Typical Mission Rules

Mission

Reserves

Taxi out (9 min)

Takeoff to 35 ft

Climb to 1,500 ft and accelerate to 250 kn

Climb to 10,000 ft at 250 kn

Accelerate to climb speed

Climb

Cruise

Descend to 1,500 ft

Approach and land (5 min)

Taxi in (5 min from reserves)

Still air range

Flight time and fuel

Block time and fuel

5% flight fuel

Missed approach

Economy climb

LRC

Economy descent

Approach and land (5 min)

30-min hold at 1,5000 ft

← 200 nmi →
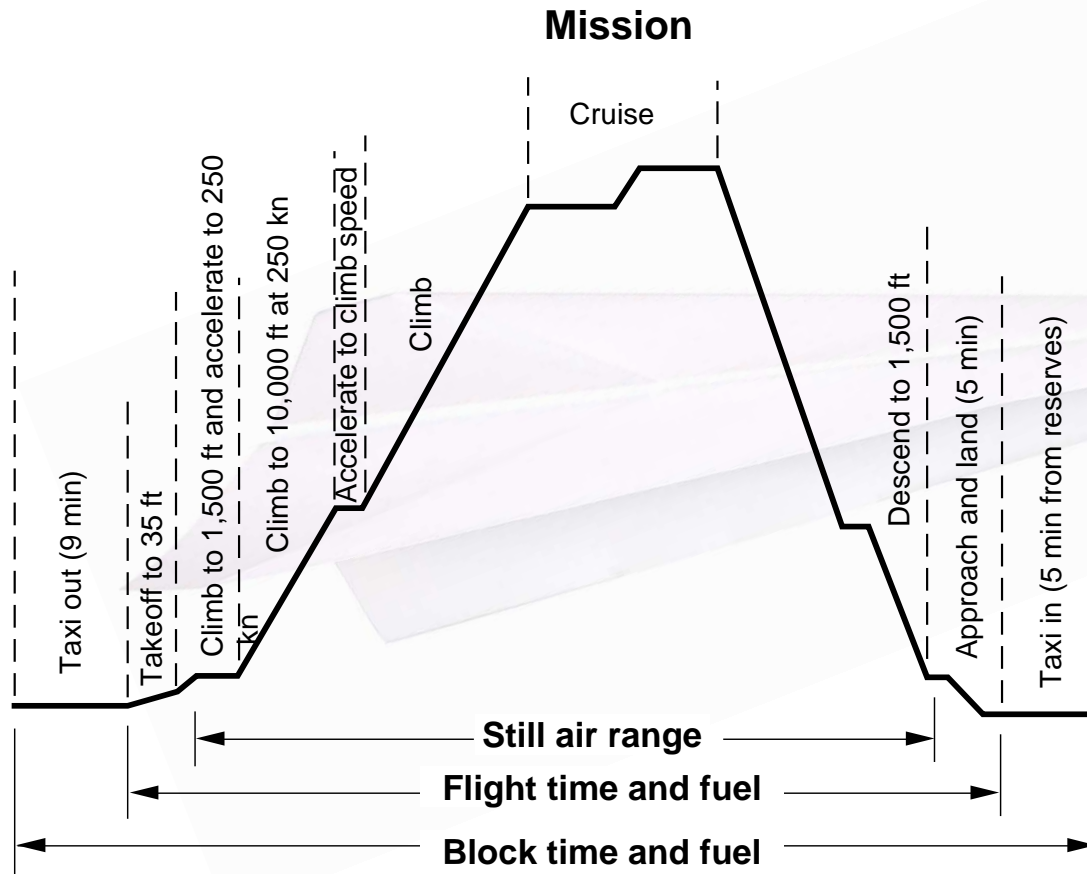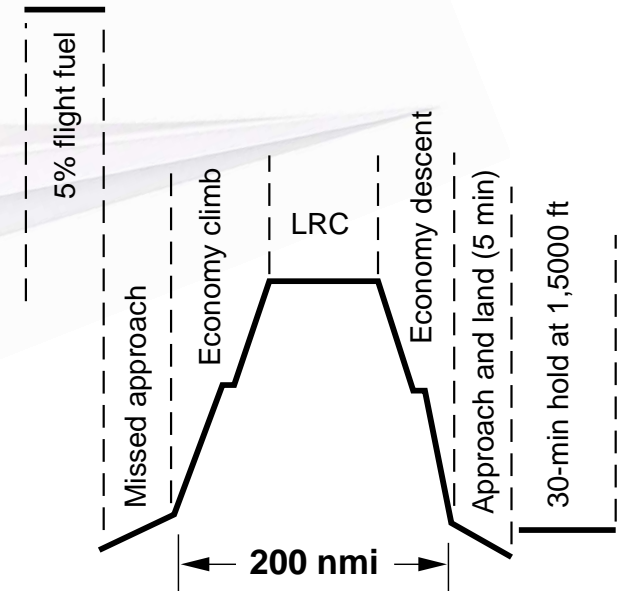
- Standard day
- Fuel density 6.7 lb/U.S. gal
- Cruise at M 0.785
- Nominal performance
- Passengers at 200 lb (89 kg) (passenger + baggage)

Range Capability From Boston

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

• Reykjavik

• Edmonton

Denver •

• Kansas City

▲ BOSTON

• Miami

• Mexico City

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Boston

737-300

737-300
133,300-lb (60,465-kg) TOGW*
126 passengers

737-300
124,500-lb (56,470-kg) MTOW
126 passengers

- Reykjavik
- Edmonton
- Denver
- Kansas City
- ▲ BOSTON
- New Orleans
- Miami

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

737-400

737-400
141,100-lb (64,000-kg) **TOGW***
147 passengers

737-400
138,500-lb (62,820-kg) **MTOW**
147 passengers

Denver

Kansas City

▲ BOSTON

New Orleans

Miami

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Copenhagen

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

- Novosibirsk
- Reykjavik
- Oslo
- Moscow
- Tashkent
- London
- ▲COPENHAGEN
- Paris
- Madrid
- Rome
- Istanbul
- Athens
- Tel Aviv-Yafo
- Casablanca
- Cairo
- Gran Canaria

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Copenhagen

737-300

737-300
133,300-lb (60,465-kg) TOGW*
126 passengers

737-300
124,500-lb (56,470-kg) MTOW
126 passengers

Reykjavik

Oslo

Moscow

▲COPENHAGEN

London

Paris

Madrid

Rome

Istanbul

Casablanca

Cairo

Gran Canaria

Tel Aviv-Yafo

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Copenhagen

737-400

737-400
141,100-lb (64,000-kg) **TOGW***
147 passengers

737-400
138,500-lb (62,820-kg) **MTOW**
147 passengers

Reykjavik

Oslo · · Moscow

London ▲ COPENHAGEN

Paris

Madrid · Rome · Istanbul

Casablanca

Tel Aviv-Yafo

Cairo

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Jeddah

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

Moscow
Rome
Istanbul
Tashkent
Tripoli
Tehran
Kabul
Tel Aviv-Yafo
Delhi
Cairo
Bahrain
Karachi
JEDDAH
Mumbai
Khartoum
Addis Ababa
Liberville
Nairobi

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Jeddah

737-300

737-300
133,300-lb (60,465-kg) **TOGW***
126 passengers

737-300
124,500-lb (56,470-kg) **MTOW**
126 passengers

- Moscow
- Rome
- Tashkent
- Istanbul
- Kabul
- Tehran
- Delhi
- Tel Aviv-Yafo
- Karachi
- Cairo
- Bahrain
- Mumbai
- ▲ JEDDAH
- Addis Ababa
- Nairobi

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Jeddah

737-400

737-400
141,100-lb (64,000-kg) **TOGW***
147 passengers

737-400
138,500-lb (62,820-kg) **MTOW**
147 passengers

- Tashkent
- Istanbul
- Kabul
- Tel Aviv-Yafo
- Cairo
- Karachi
- ▲ JEDDAH
- Mumbai
- Addis Ababa
- Nairobi

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Singapore

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

Kunming

Kaohsiung

Mumbai

Calcutta

Hong Kong

Bangkok

Manila

Colombo

▲ **SINGAPORE**

Darwin

Perth

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Singapore

737-300

737-300
133,300-lb (60,465-kg) **TOGW***
126 passengers

737-300
124,500-lb (56,470-kg) **MTOW**
126 passengers

Kunming

Kaohsiung

Mumbai

Calcutta

Hong Kong

Bangkok

Manila

Colombo

▲ **SINGAPORE**

Darwin

Perth

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

737-400

737-400
141,100-lb (64,000-kg) TOGW*
147 passengers

737-400
138,500-lb (62,820-kg) MTOW
147 passengers

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Kunming

Hong Kong

Kaohsiung

Bangkok

Manila

Colombo

▲ SINGAPORE

Darwin

Range Capability From Sydney

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

Nauru

Port Moresby

Darwin

Pago Pago

Suva

Brisbane

▲ SYDNEY

Perth

Auckland

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included
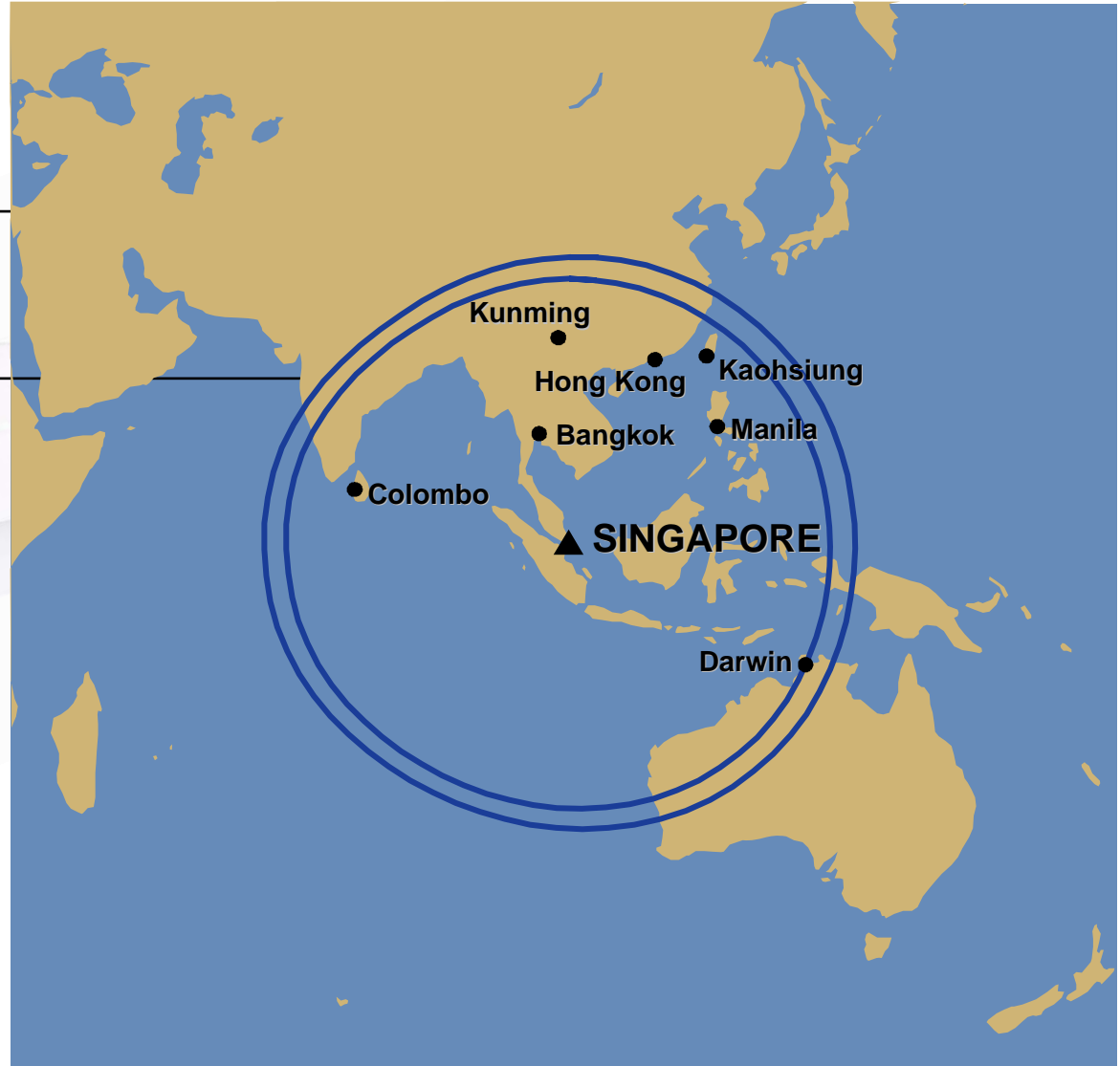
*   Fuel volume limited

Range Capability From Sydney

737-300

737-300
133,300-lb (60,465-kg) TOGW*
126 passengers

737-300
124,500-lb (56,470-kg) MTOW
126 passengers

● Nauru

Darwin
● Port Moresby

● Suva

● Brisbane

▲ SYDNEY

● Perth

● Auckland

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Sydney

737-400

737-400
141,100-lb (64,000-kg) TOGW*
147 passengers

737-400
138,500-lb (62,820-kg) MTOW
147 passengers

Darwin
Port Moresby
Suva
▲ SYDNEY
Auckland

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Denver

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Juneau
Edmonton
Saint John
Seattle
New York
San Francisco
▲ DENVER
Los Angeles
Atlanta
Miami
Mexico City
San Jose

Range Capability From Denver

737-300

737-300
133,300-lb (60,465-kg) TOGW*
126 passengers

737-300
124,500-lb (56,470-kg) MTOW
126 passengers

- Edmonton
- Saint John
- Seattle
- New York
- San Francisco
- ▲ **DENVER**
- Los Angeles
- Atlanta
- Miami
- Mexico City

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included
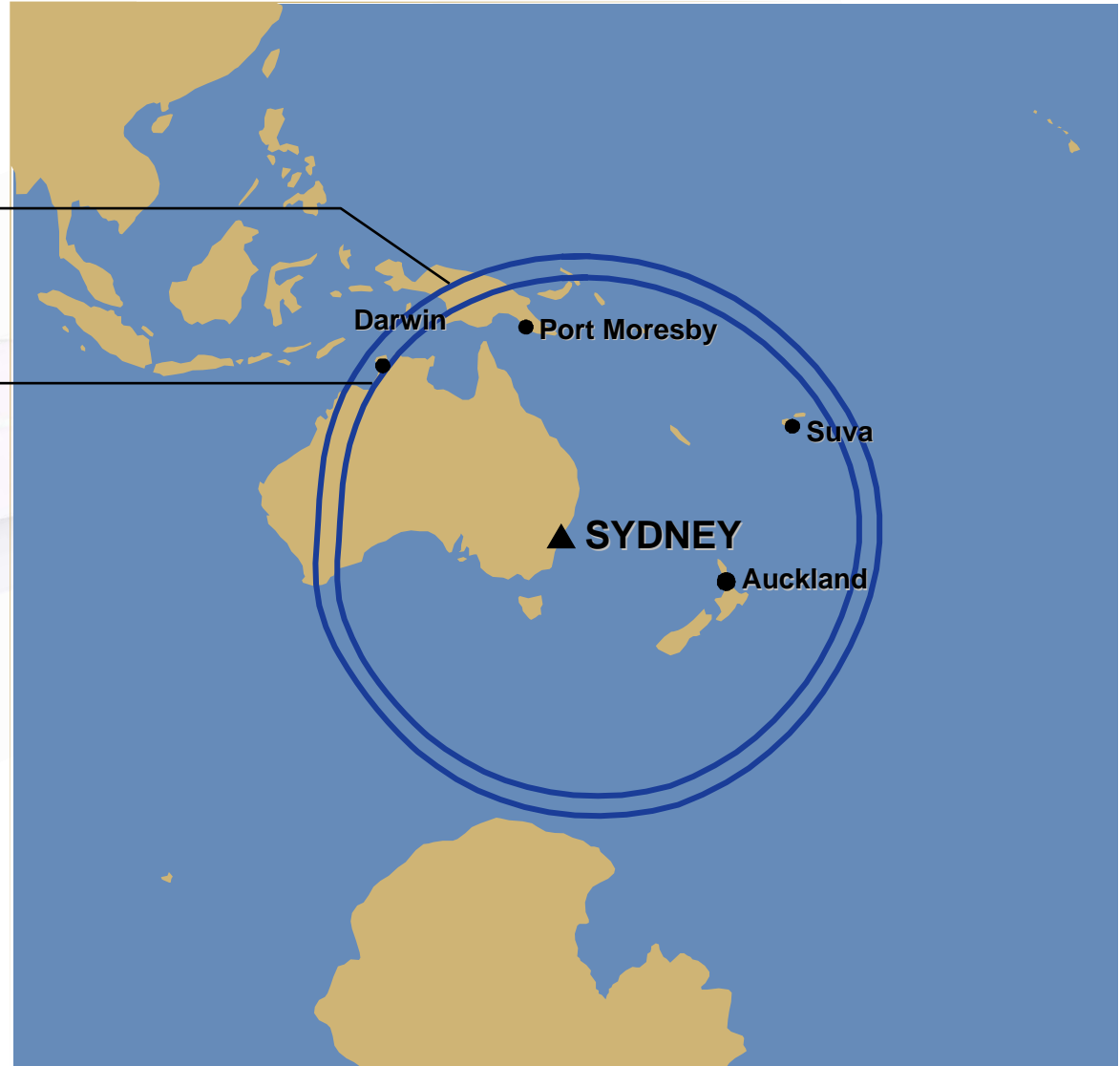
* Fuel volume limited

Range Capability From Denver

737-400

737-400
141,100-lb (64,000-kg) **TOGW***
147 passengers

737-400
138,500-lb (62,820-kg) **MTOW**
147 passengers

Edmonton
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- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Chicago/Midway

737-500

737-500
127,440-lb (57,810-kg) TOGW*
110 passengers

737-500
115,500-lb (52,390-kg) MTOW
110 passengers

Seattle
Edmonton
Gander
Saint John
MIDWAY
San Francisco
New York
Los Angeles
Atlanta
Miami
Mexico City

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

Range Capability From Chicago/Midway

737-300

737-300
133,300-lb (60,465-kg) TOGW*
126 passengers

737-300
124,500-lb (56,470-kg) MTOW
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Edmonton

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- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited

737-400

737-400
141,100-lb (64,000-kg) TOGW*
147 passengers

737-400
138,500-lb (62,820-kg) MTOW
147 passengers

- Edmonton
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- **MIDWAY** ▲
- New York
- Atlanta
- Miami

- Two-class seating
- Typical mission rules
- 85% annual winds
- Airways and traffic allowance included

* Fuel volume limited