

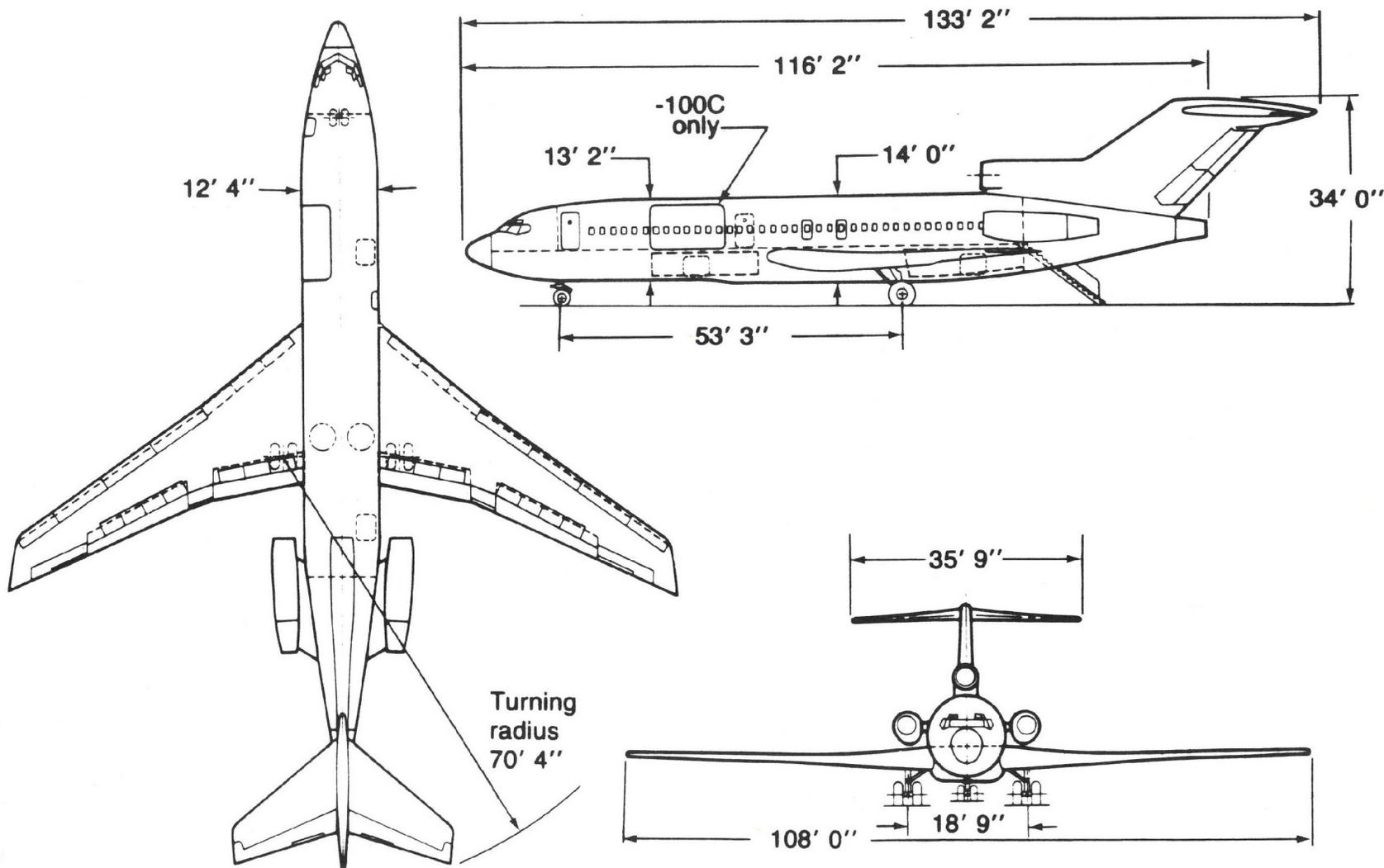
727-100

StartupBoeing



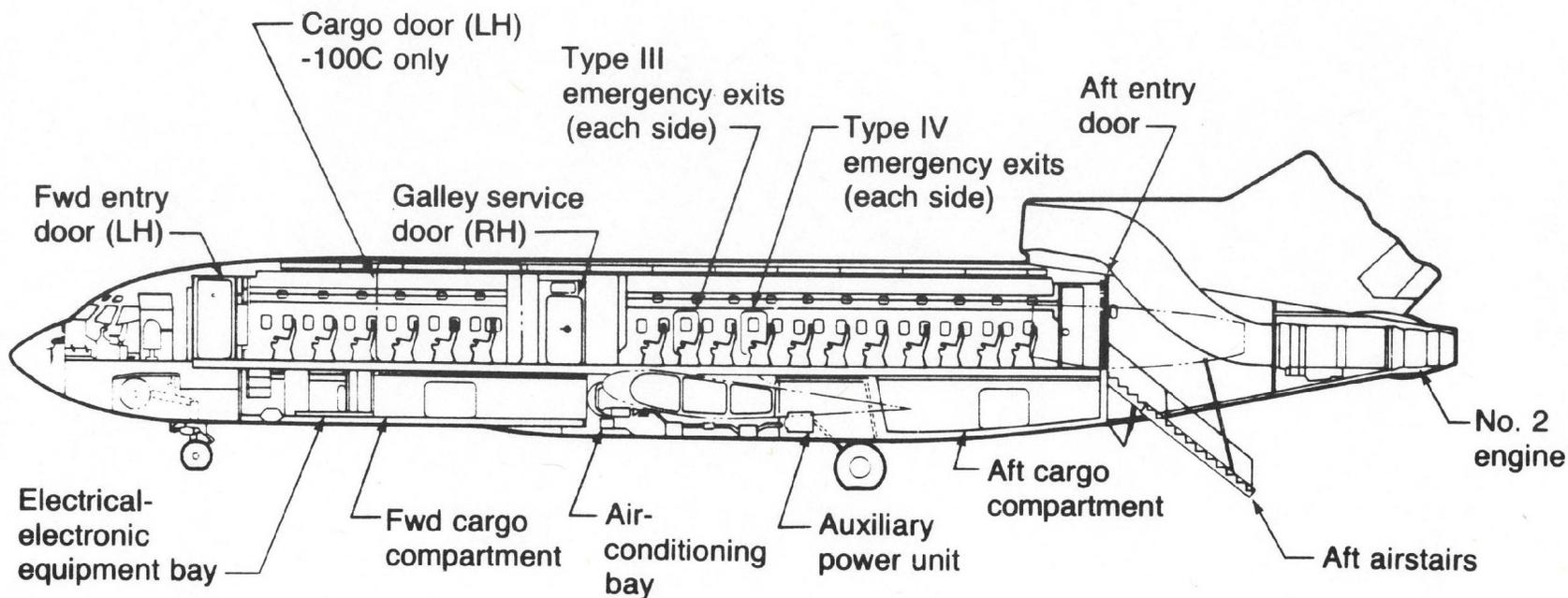
727-100/-100C General Arrangement

StartupBoeing



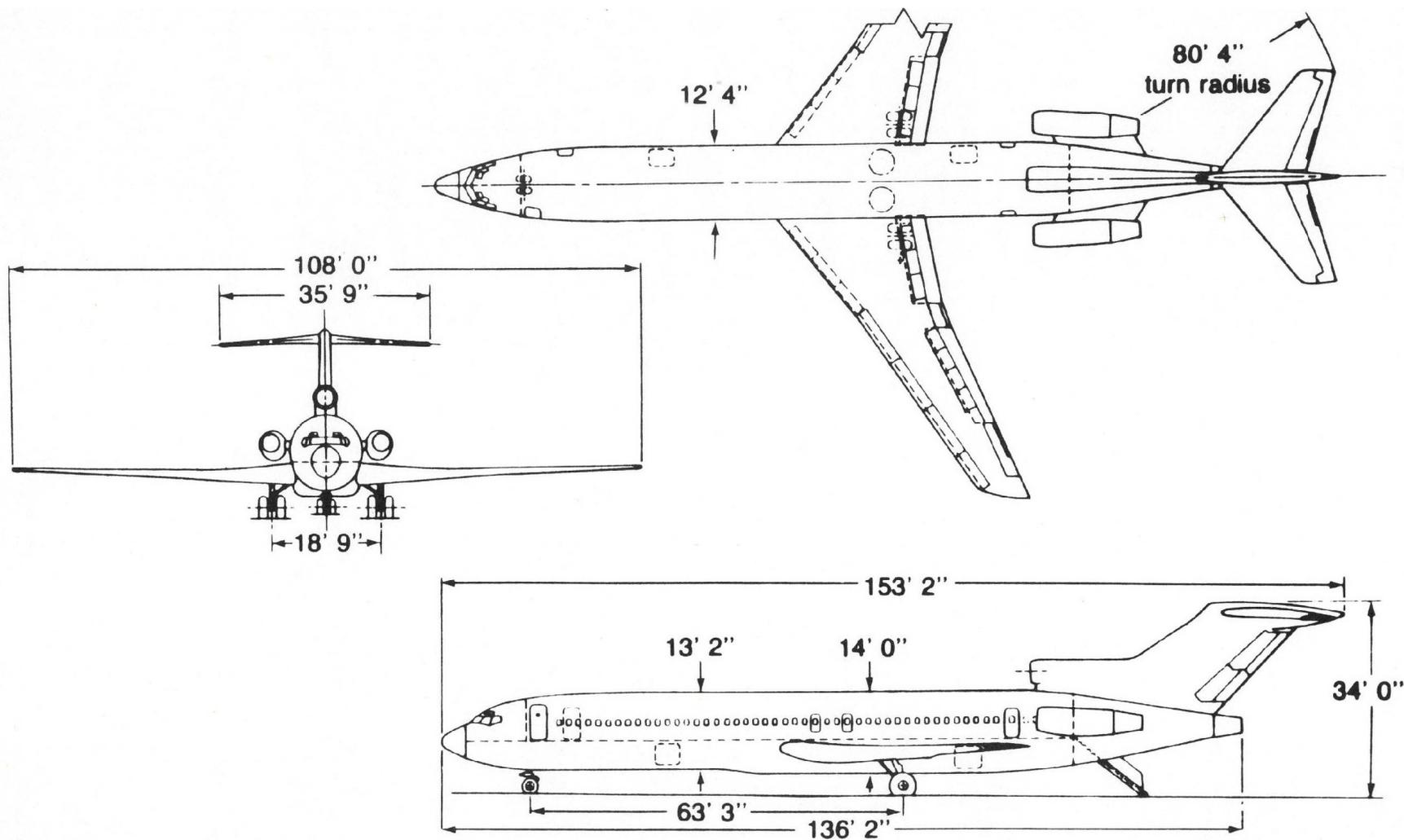
727-100/-100C General Arrangement

StartupBoeing



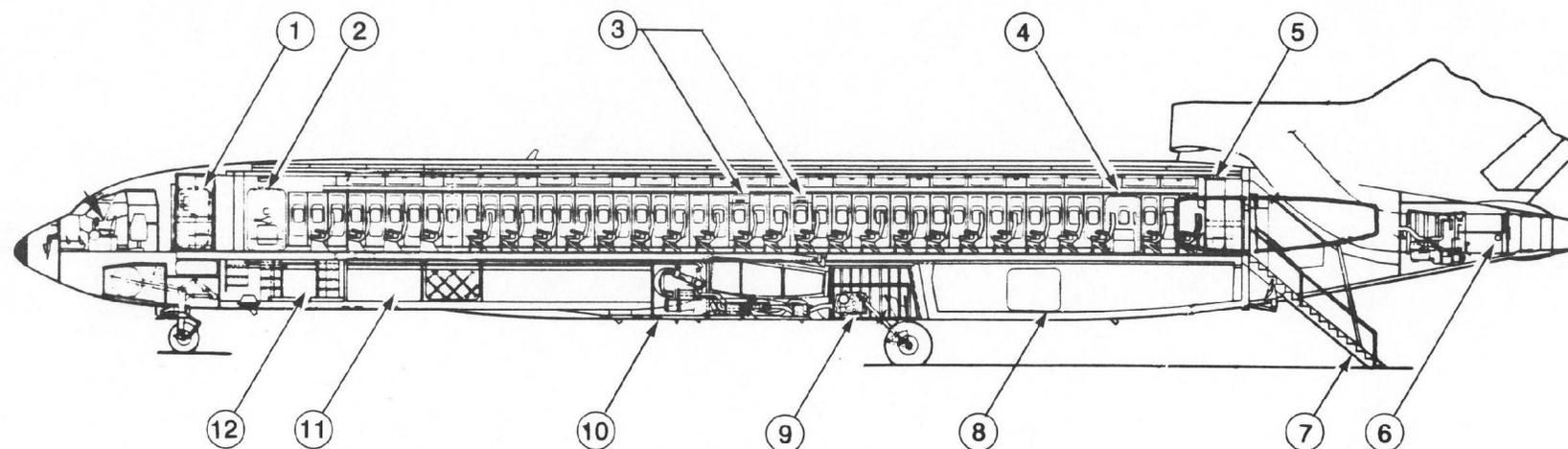
727-200 Advanced General Arrangement

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727-200 General Arrangement

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- | | |
|--|-----------------------------|
| ① Forward entry door (LH) | ⑦ Aft airstairs |
| ② Galley service door (RH) | ⑧ Aft cargo compartment |
| ③ Type III emergency exits (LH and RH) | ⑨ Auxiliary power unit |
| ④ Aft service door (LH and RH) | ⑩ Air-conditioning bay |
| ⑤ Aft entry door (centerline) | ⑪ Forward cargo compartment |
| ⑥ No. 2 engine | ⑫ Electrical-electronic bay |

727 Cascade Thrust Reverser

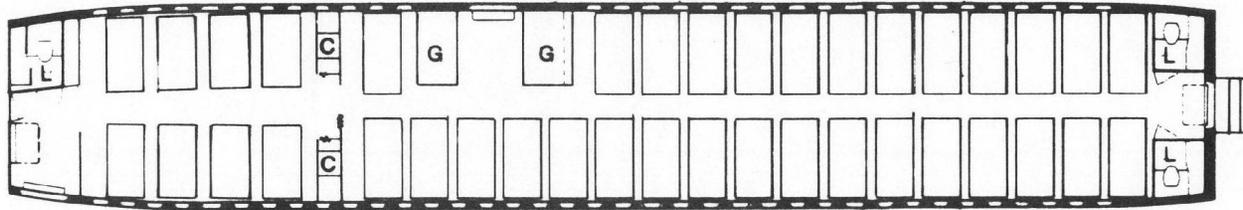
StartupBoeing



727 Series Interior Arrangements

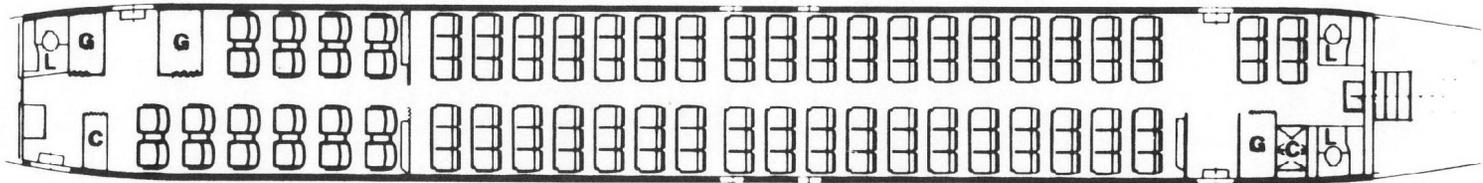
StartupBoeing

727-100



106 passengers (16 at 38" pitch and 90 at 34" pitch)

727-200



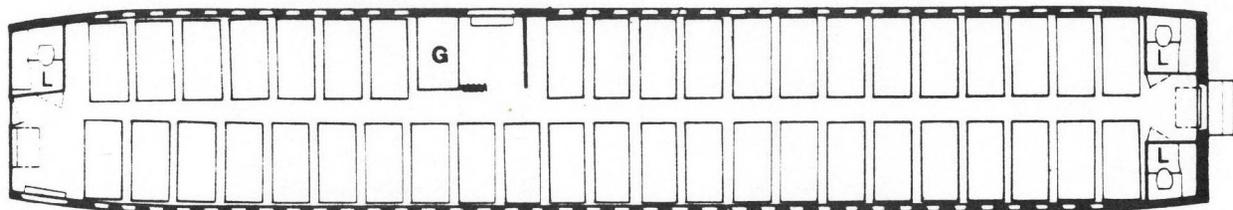
134 passengers (20 at 38" pitch and 114 at 34" pitch)

Mixed Class

727 Series Interior Arrangements

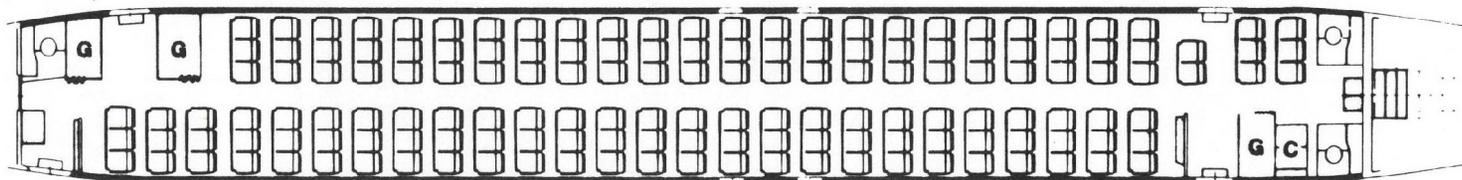
StartupBoeing

727-100



129 passengers at 34" pitch

727-200



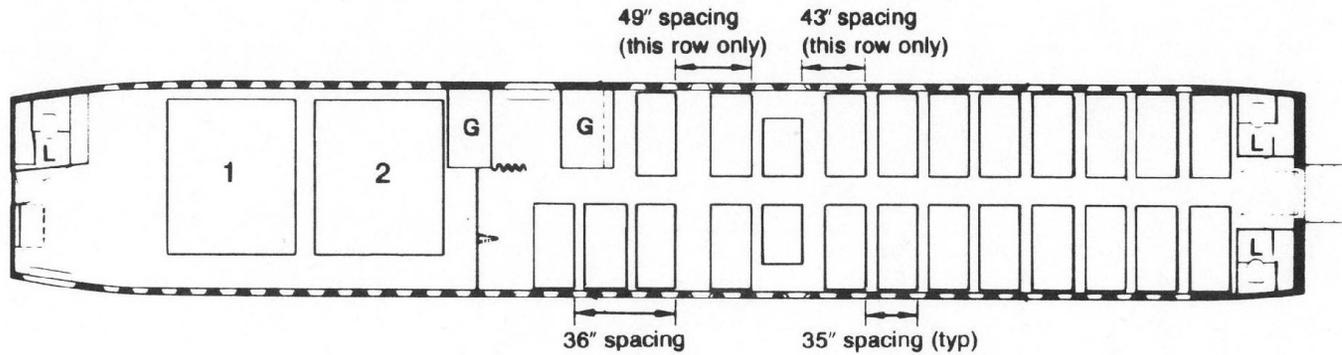
155 passengers at 34" pitch

Tourist Class

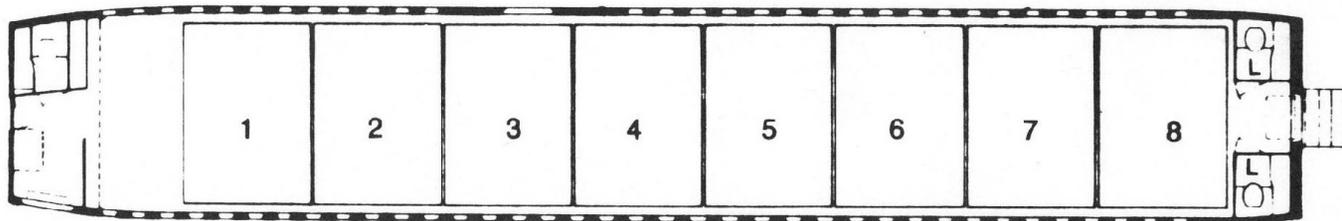
727-100 Combi Interior Arrangements

StartupBoeing

2 pallets
70 passengers



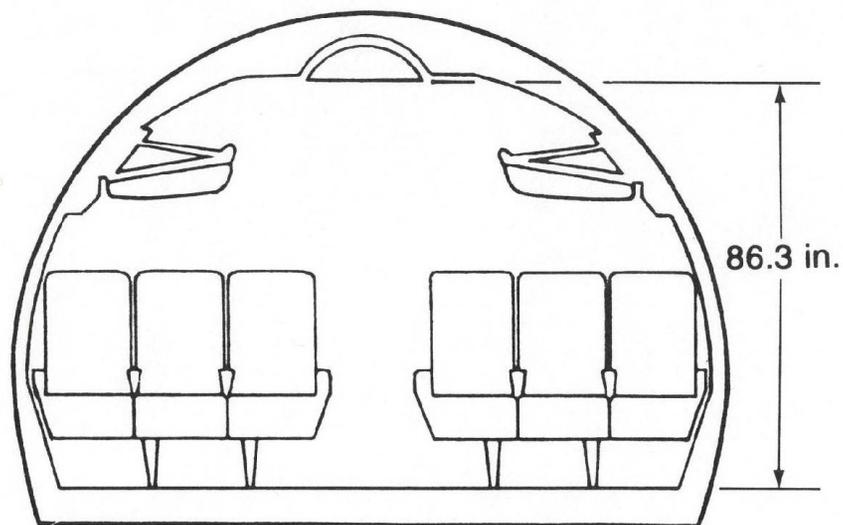
8 pallets
88 x 125 inches



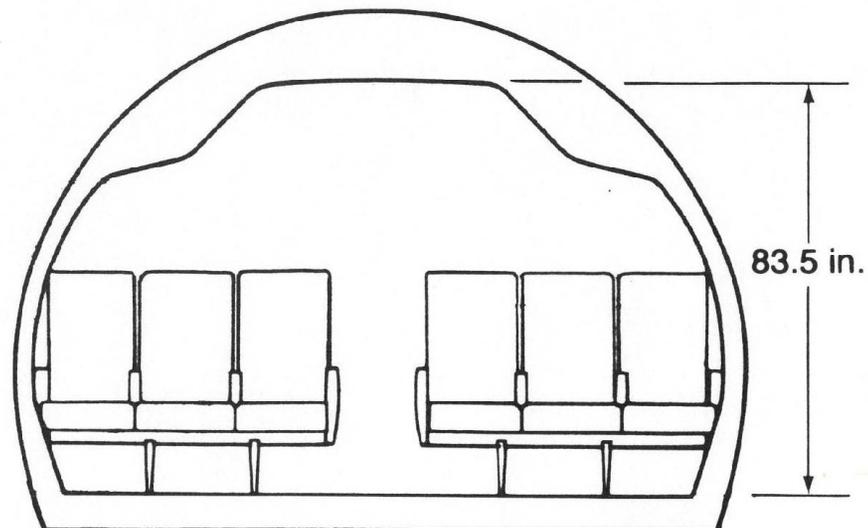
727 Series Cross Section

StartupBoeing

727-100

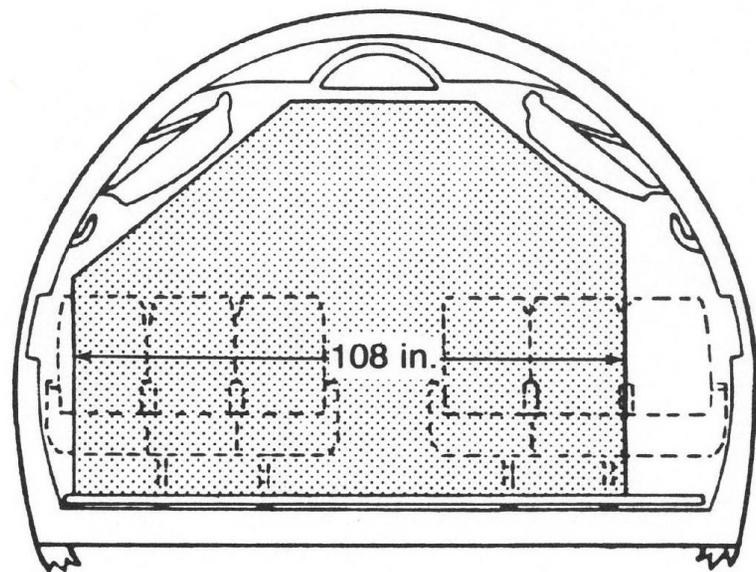


727-200

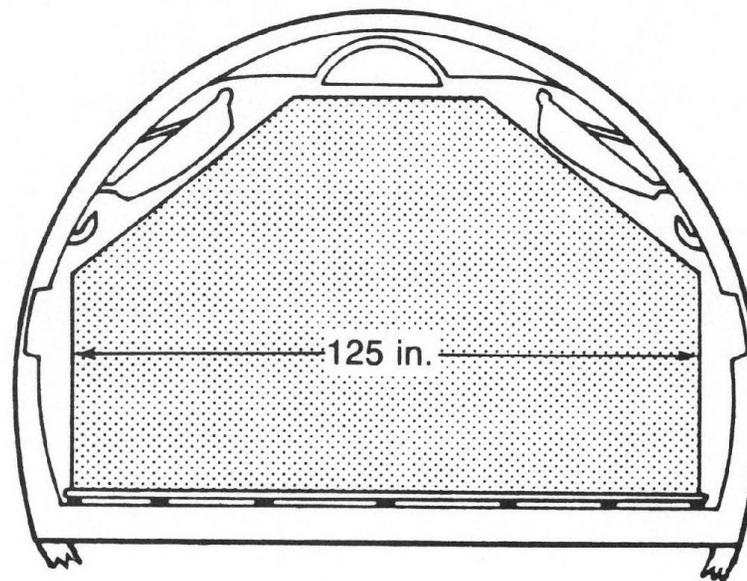


727-100C Cross Section

StartupBoeing



88" x 108" pallet

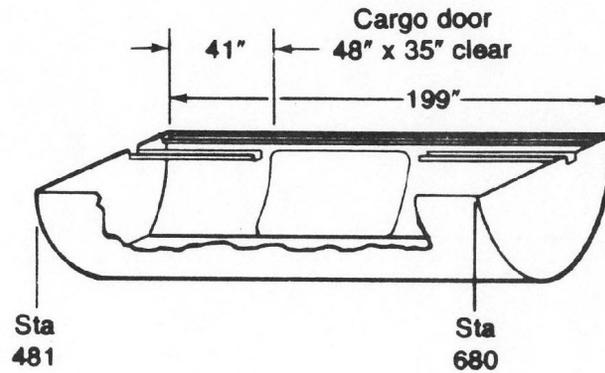


88" x 125" pallet

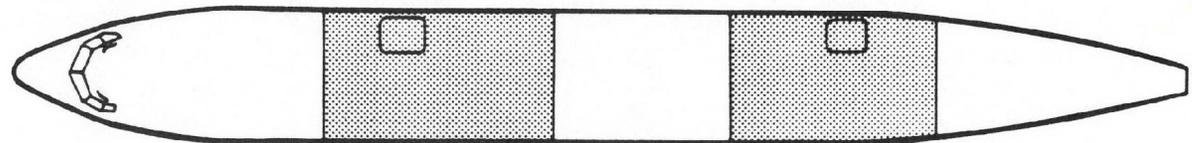
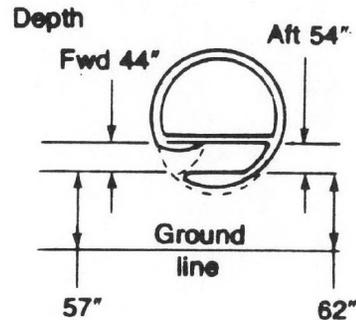
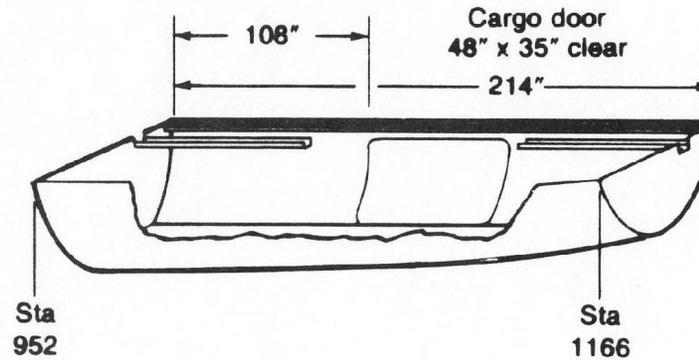
727-100/-100C Lower Cargo Compartments

StartupBoeing

Fwd compartment



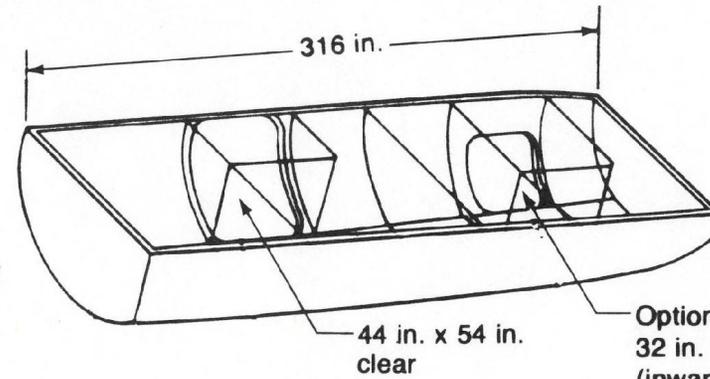
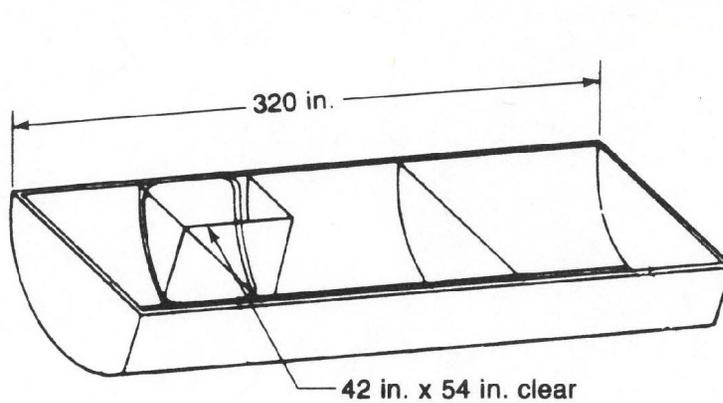
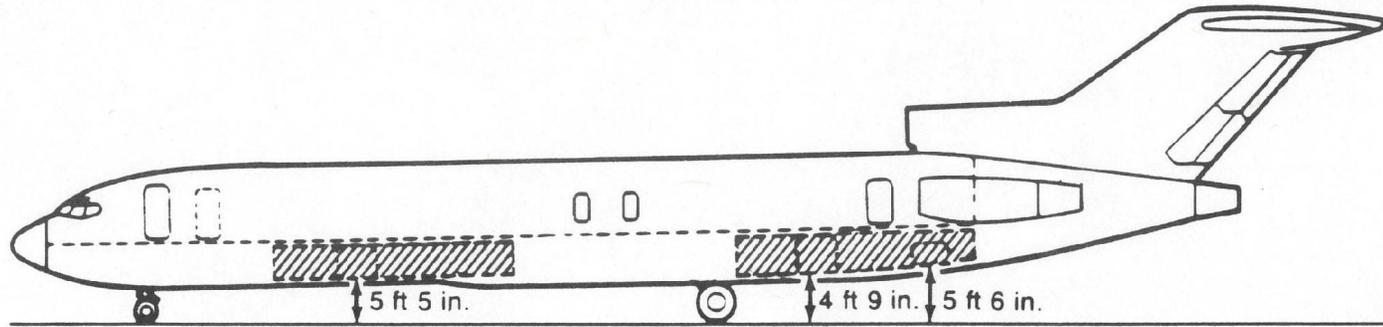
Aft compartment



	Volume, cu ft	
	-100	-100C
Fwd	425	420
Aft	475	470
Total	900	890

727-200 Lower Cargo Compartments

StartupBoeing

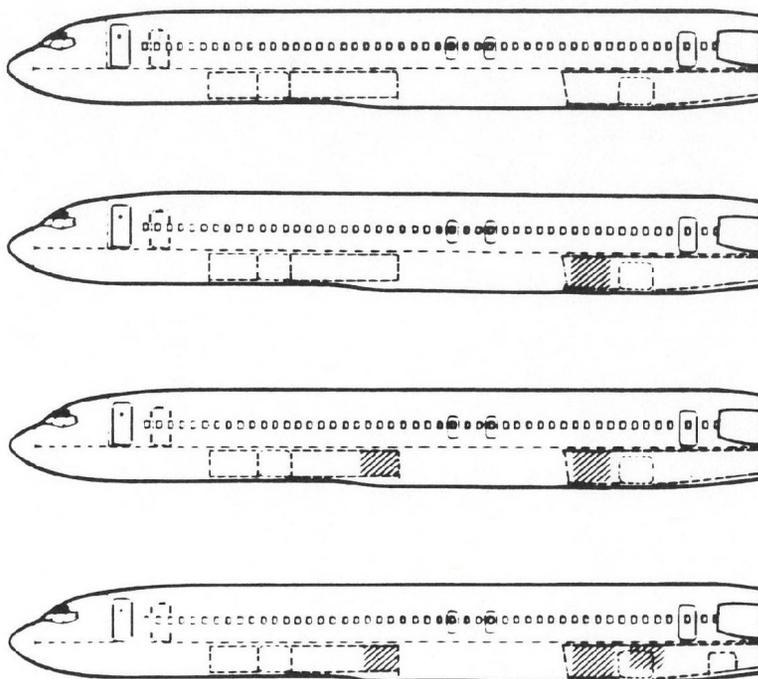


Optional third door
32 in. x 48 in. clear
(inward opening)

	Volume, cu ft
Fwd	710
Aft	815
Total	1525

727-200 Advanced Optional Fuel

StartupBoeing



Requires second aft cargo door

Additional fuel, U.S. gal	Total fuel, U.S. gal*	Cargo volume, cu ft
0	8090	710 fwd 815 aft <u>1525**</u>
1 tank 860	8950	710 610 <u>1320**</u>
2 tanks 860 810 <u>1670</u>	9760	520 610 <u>1130**</u>
3 tanks 860 810 810 <u>2480</u>	10 570	510 290 <u>810</u>

*Assumes basic wing

**Subtract 70 cu ft with second aft cargo door

727 General Characteristics

StartupBoeing

	727-100/-100C	727-200
Wing		
Area (nominal), sq ft	1650	1650
Span, ft	108	108
Sweepback C/4, deg	32	32
MAC, in.	181	181
Horizontal tail area, sq ft	376	376
Vertical tail area, sq ft	356	356
Fuselage (dimensions, inches wide x inches high)		
Passenger windows	10 x 14	10 x 14
Fwd entry door (LH)	34 x 72	34 x 72
Aft entry door	32 x 76	32 x 76
Fwd service door (RH)	33 x 65	33 x 65
Aft service doors (LH and RH)	-	30 x 60
Upper deck cargo door (-100C only)	86 x 134	-
Fwd lower deck cargo door (RH)	48 x 35	54 x 42
Aft lower deck cargo door (RH)	48 x 35	54 x 44
Overwing emergency exits (4)	20 x 38	20 x 38
Pressurization (max differential), psi	8.6	8.6
Hydraulic system pressure, psi	3000	3000
Electrical system		
Three phase, 400 Hz, volt ac	115/200	115/200
Volt dc	28	28
Alternators(3) kVA	40	40

727-100/-100C Principal Characteristics

StartupBoeing

Model	-100						-100C		
							Primary	Alt I	Alt II
Max taxi wt, lb	153 000	161 000	161 000	161 000	170 000	170 000	161 000	161 000	170 000
Max flight wt, lb	152 000	160 000	160 000	160 000	169 000	169 000	160 000	160 000	169 000
Max landing wt, lb	135 000	137 500	142 500	142 500	142 500	142 500	142 500	140 000	142 500
Max zero fuel wt, lb	114 000	118 000	118 000	123 500	123 500	123 500	123 500	123 500	132 000
V_{mo}	390				350	390	390	390	350
M_{mo}	0.90						0.90		
Engines	JT8D-1, (-1 Adv) -7, -9						JT8D-1, (-1 Adv) -7, -9		
Fuel capacity, U.S. gal.									
2 cell	7174						7174		
3 cell	7680						7680		
Cargo volume, cu ft									
Lower deck	900						890		
Upper deck	-						3410		

727-200 Principal Characteristics

StartupBoeing

Maximum taxi weight, lb	185 800	191 000	195 500	197 700	210 000
Maximum takeoff weight, lb	184 800	190 500	194 800	197 000	209 500
Maximum landing weight, lb	154 500	154 500	154 500	154 500	160 000
Maximum zero fuel weight, lb	138 000	140 000	140 000	140 000	144 000
V_{mo}	350/390				350
M_{mo}	0.90		0.88		
Engines					
JT8D-9A	-9A				
JT8D-15	-15	-15	-15		
JT8D-17	-17	-17	-17	-17	-17
JT8D-17R	-17R	-17R	-17R	-17R	-17R
Fuel capacity, U.S. gallons					
Basic fuel	8090		8060		8105
Auxiliary fuel One tank			860		
Two tanks			1670		
Three tanks			2480		
Cargo volume, cu ft					
No aux. tank			1525		
One aux. tank			1320		
Two aux. tanks			1130		
Three aux. tanks			810		

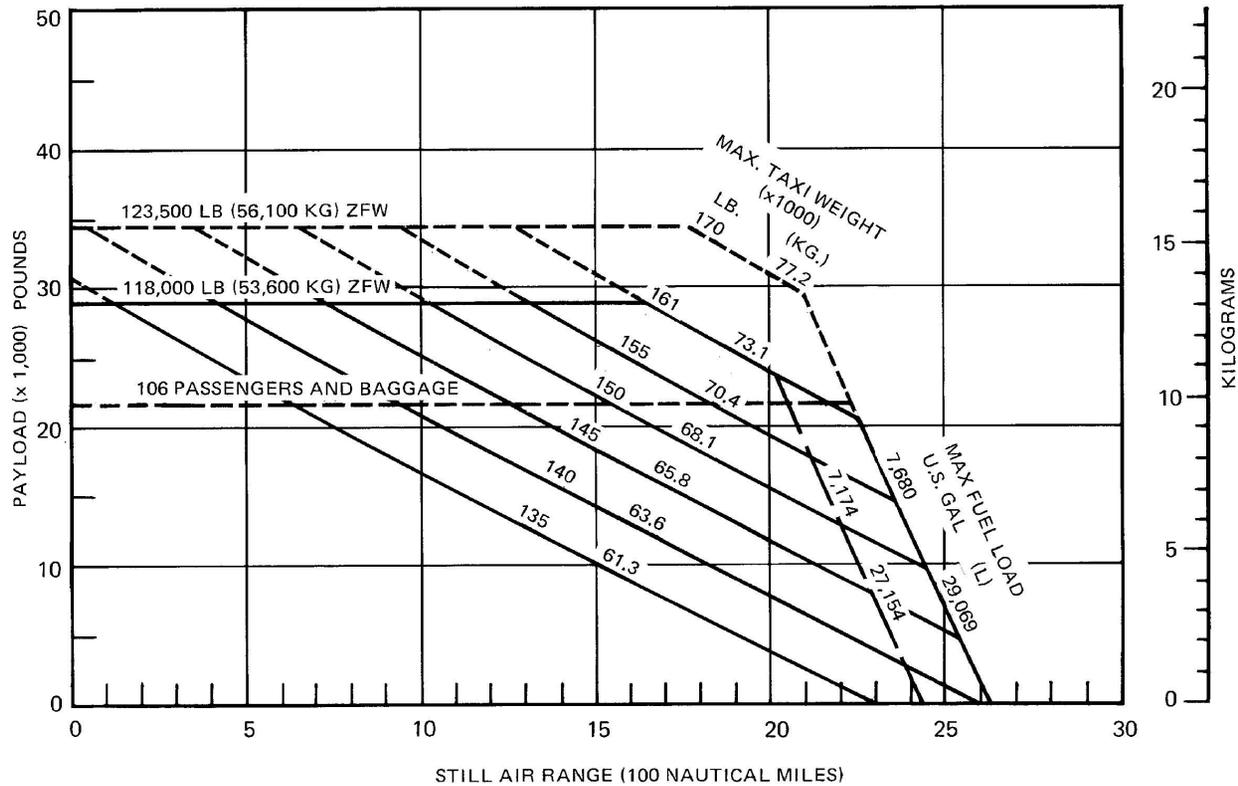
727 Engine Characteristics

StartupBoeing

	Thrust, lb	Flat rating temp, °F	727-100/ -100C	727-200
JT8D-1, (-1 Adv)	14 000	59 ⁰	X	
JT8D-7/7A	14 000	84 ⁰	X	
JT8D-9	14 500	84 ⁰	X	
JT8D-9A	14 500	84 ⁰		X
JT8D-15	15 500	84 ⁰		X
JT8D-17	16 000	84 ⁰		X
JT8D-17R	17 400	77 ⁰		X

727-100 Payload-Range

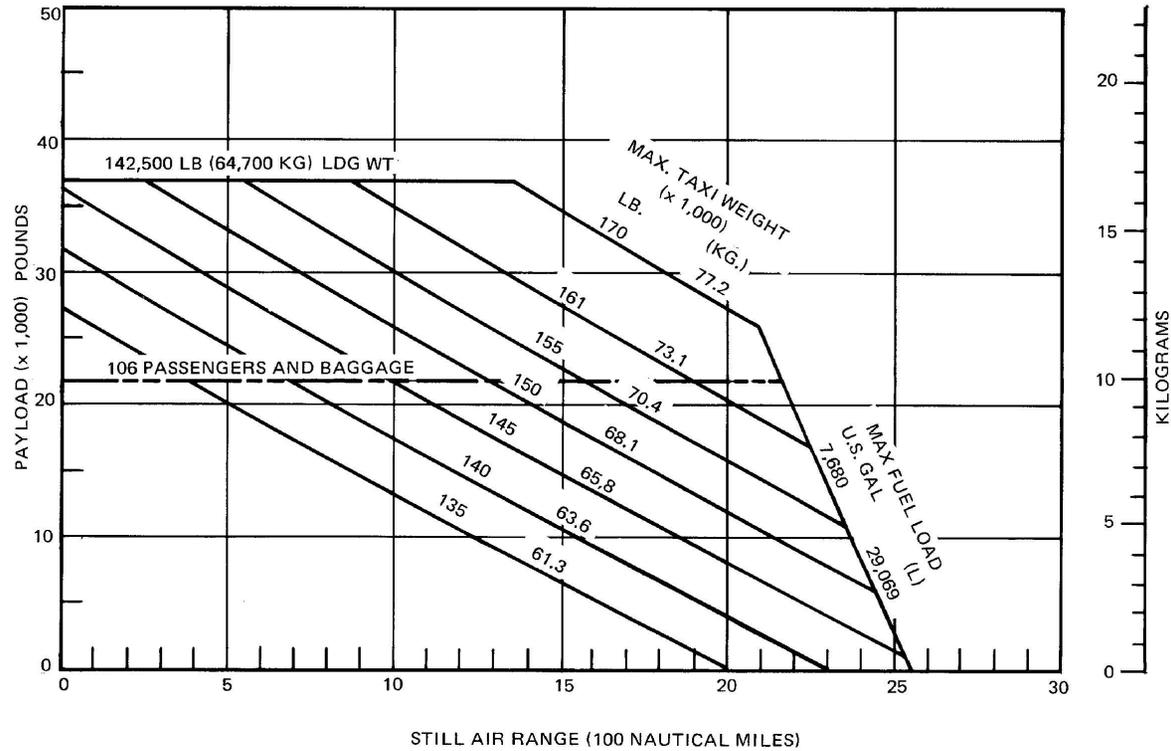
StartupBoeing



PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-7 OR -9 ENGINES)

727-100C Payload-Range

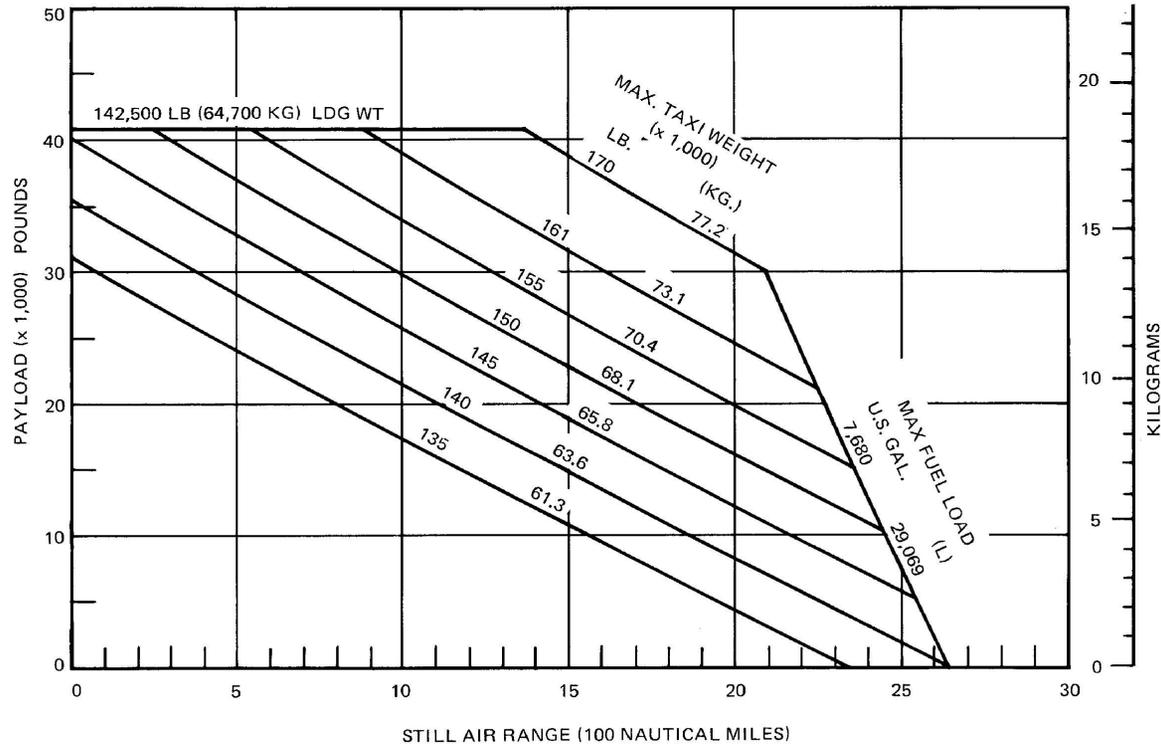
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PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-7 OR -9 ENGINES)
MODEL 727-100C PASSENGER CONFIGURATION

727-100C Payload-Range

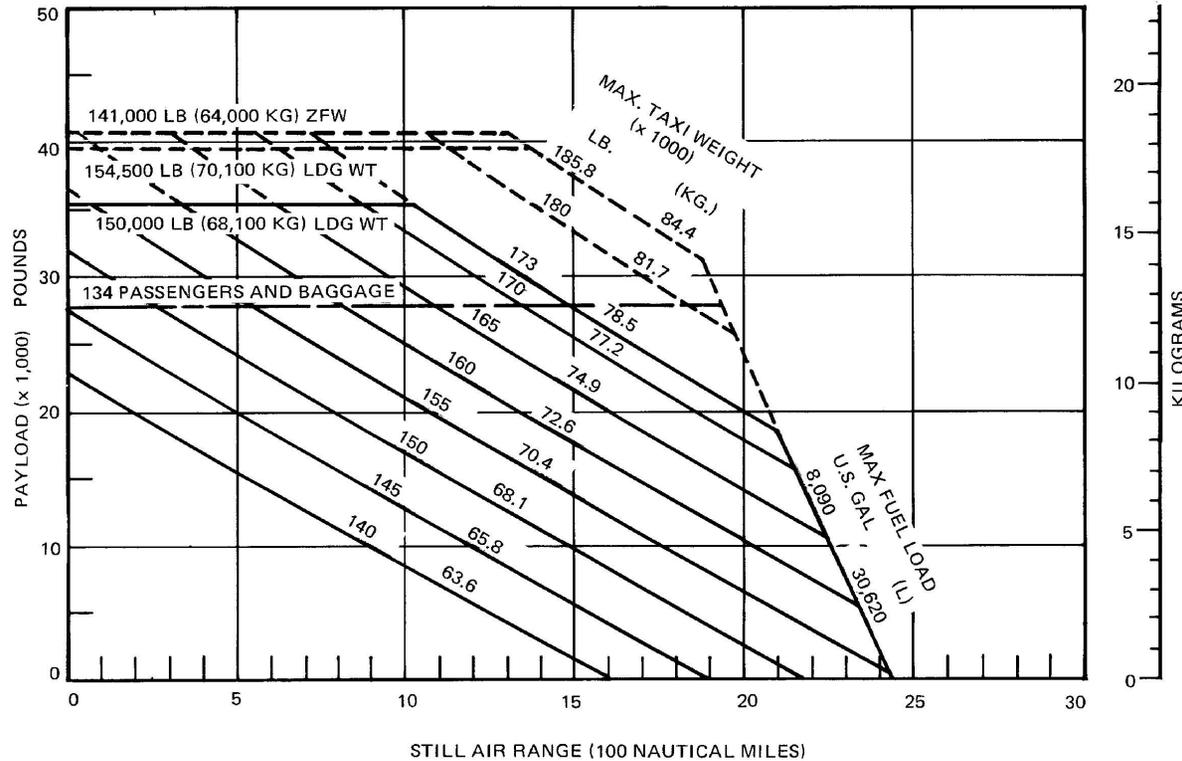
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PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-7 OR -9 ENGINES)
MODEL 727-100C CARGO CONFIGURATION

727-200 Payload-Range

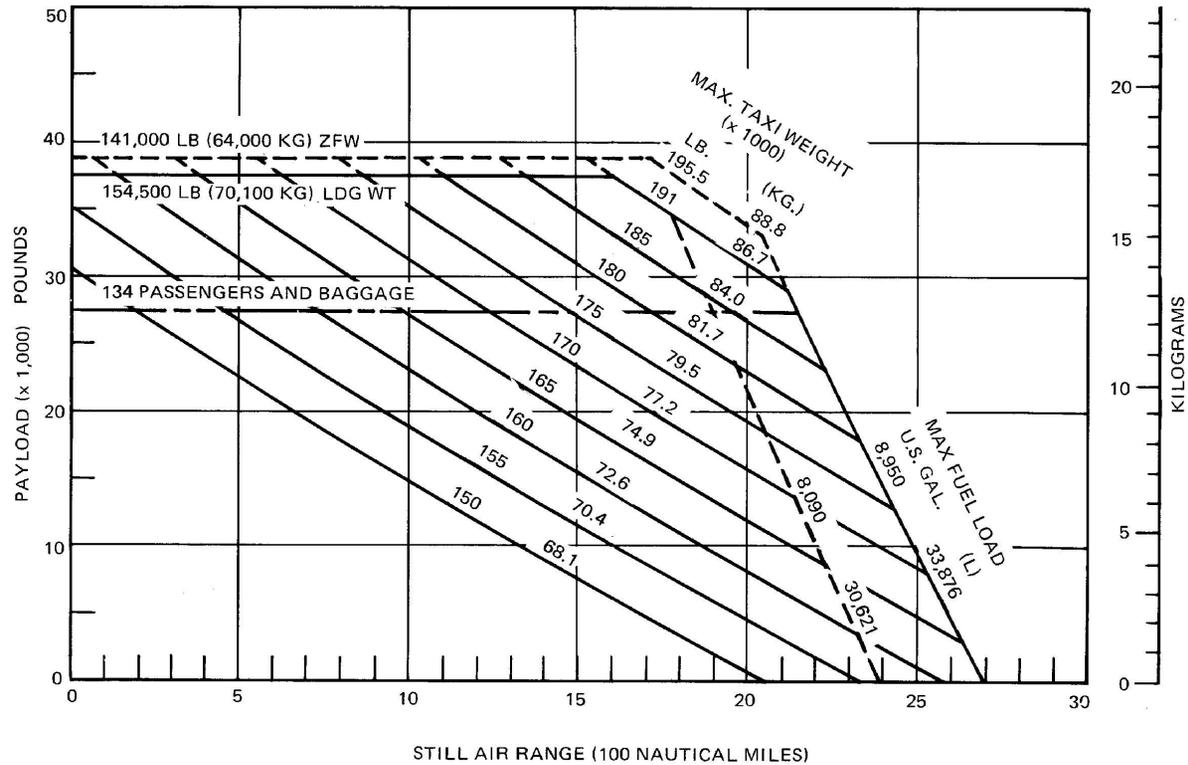
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**PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-7 ENGINES, STANDARD MODEL).
 MODEL 727-200 — (JT8D-9 ENGINES, STANDARD OR ADVANCED MODELS).**

727-200 Payload-Range

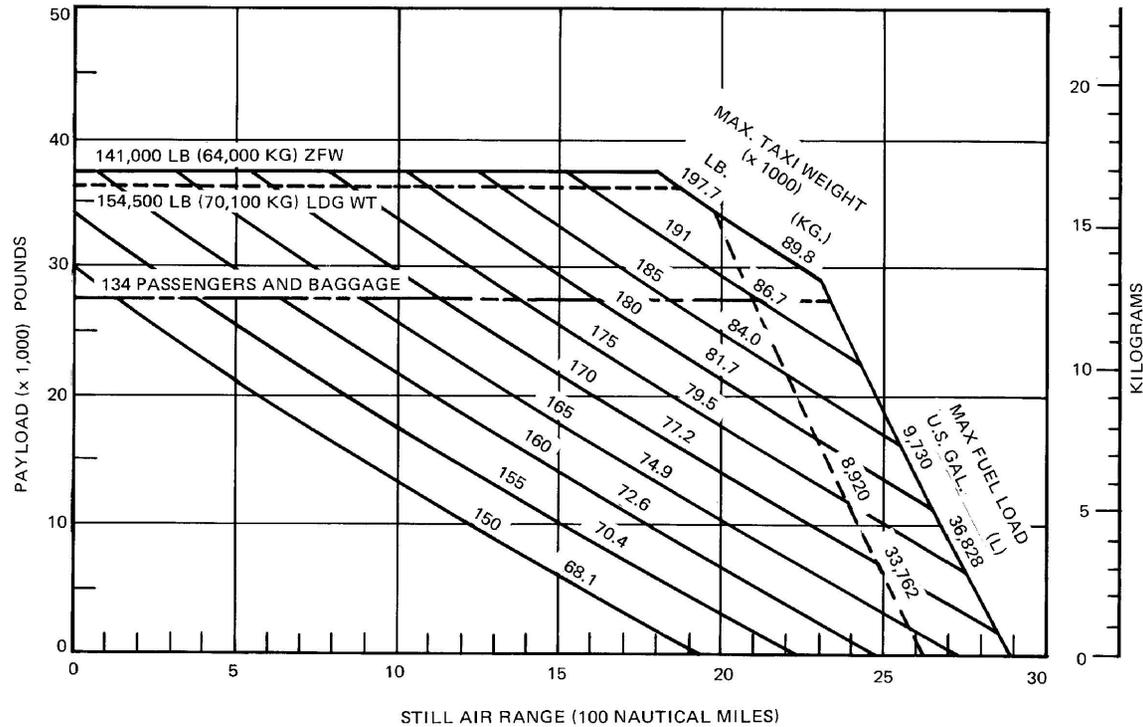
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PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-15 ENGINES)
MODEL ADVANCED 727-200

727-200 Payload-Range

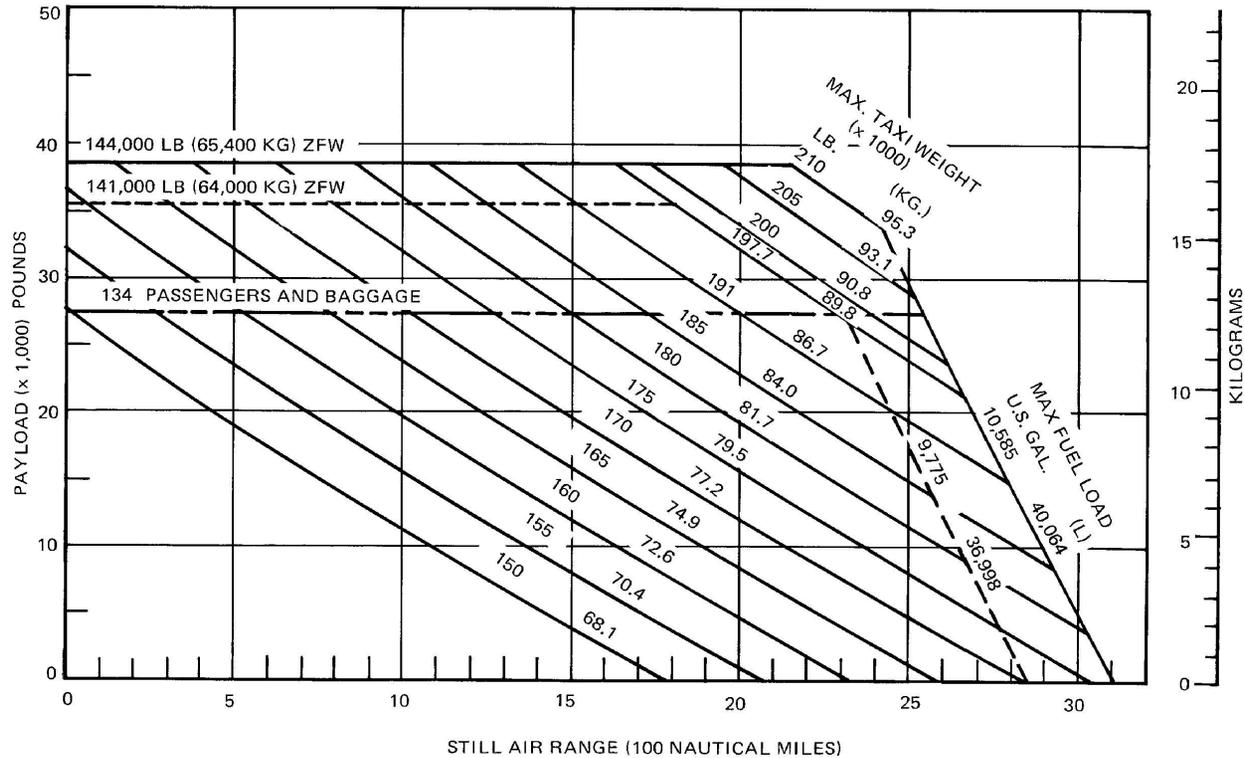
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PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-17 ENGINES)
MODEL ADVANCED 727-200

727-200 Payload-Range

StartupBoeing



PAYLOAD/RANGE FOR LONG-RANGE CRUISE—(JT8D-17R ENGINES)
MODEL ADVANCED 727-200

727 Flight Deck

StartupBoeing

