Airport Compatibility Brochure
737 MAX

Specific airport compatibility questions concerning Boeing commercial aircraft should be forwarded to:

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Voice: 1-562-797-1172
E-mail: AirportCompatibility@boeing.com

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Introduction

This brochure contains the preliminary data for 737 MAX 7, MAX 200, MAX 9, and MAX BBJ 8 that have an impact on airport compatibility. The information is preliminary and subject to change during airplane development and testing. It is intended solely for airport planning purposes.

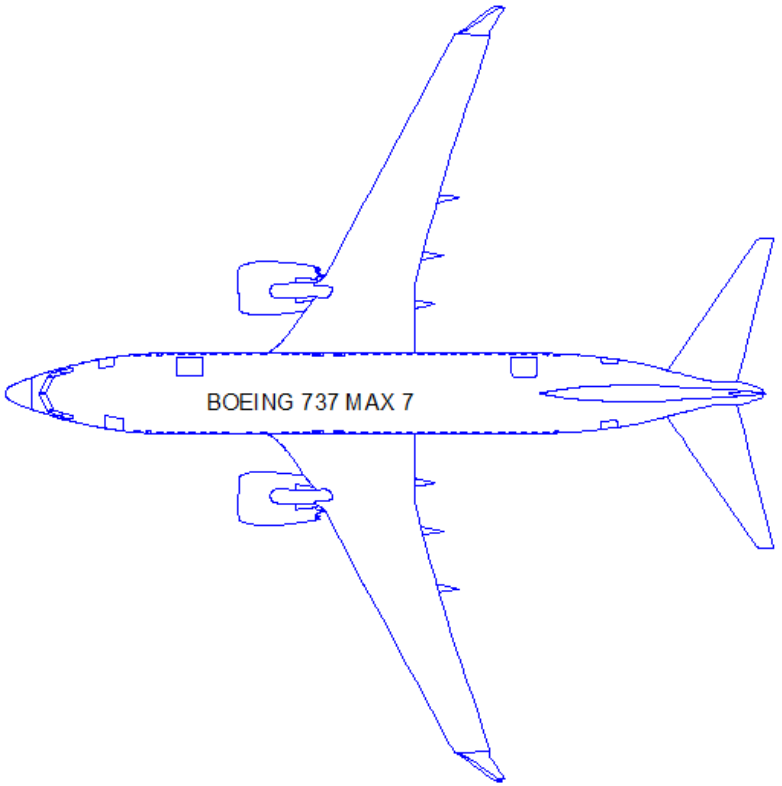
The anticipated entry-into-service dates are as follows:

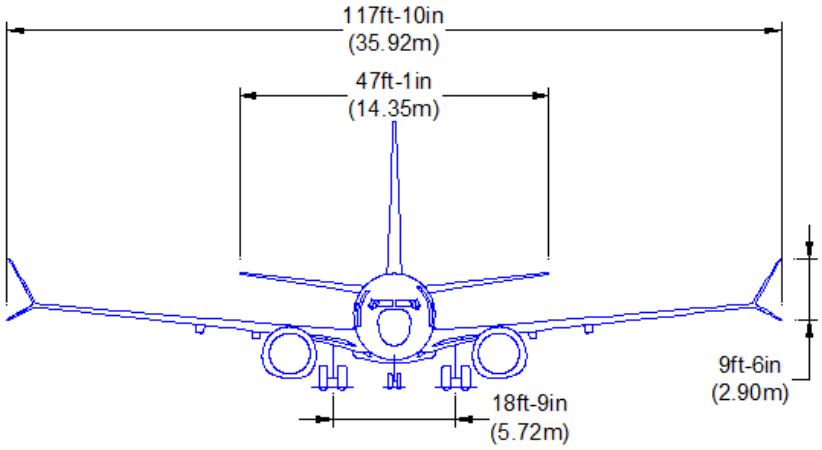
- 737 MAX 9 – 2018
- 737 MAX 7 – 2019
- 737 MAX 200 – 2018
- 737 MAX BBJ 8 – 2018 (delivery to modification center)

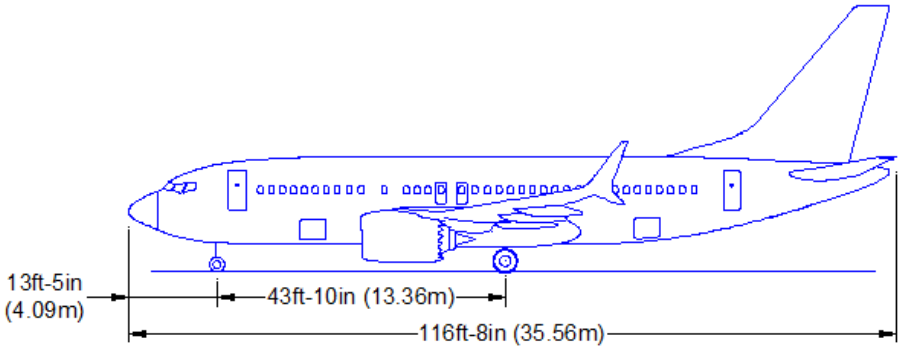
Detailed data for the 737 MAX 8 can be found in the Boeing Airplane Characteristics for Airport Planning (ACAP) document located at www.boeing.com/airports.

737 MAX 7 General Arrangement

* Static ground line condition, all gears approximately 80% compressed



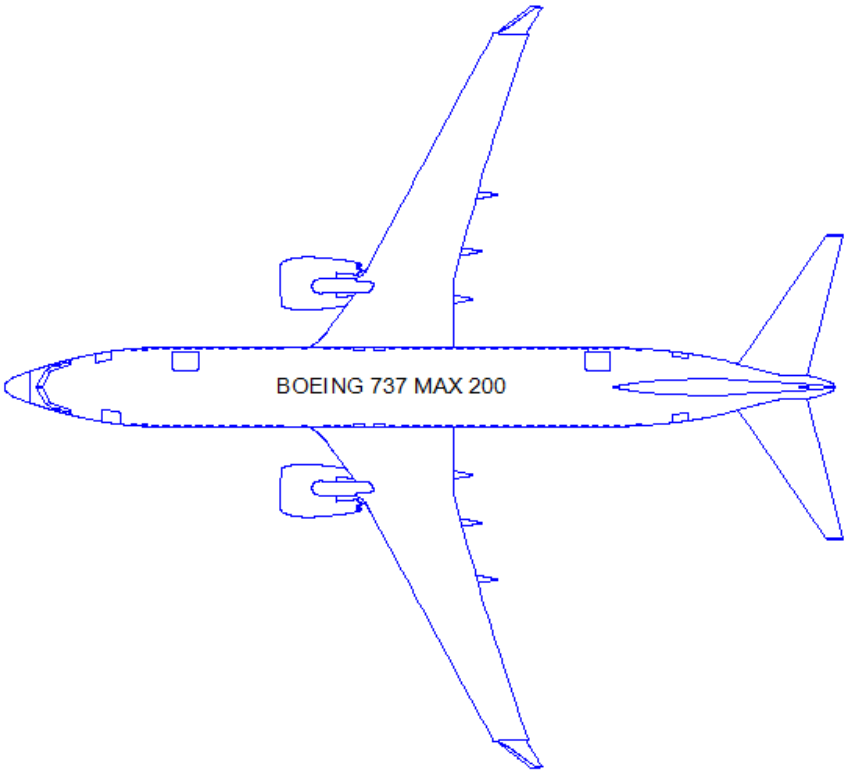


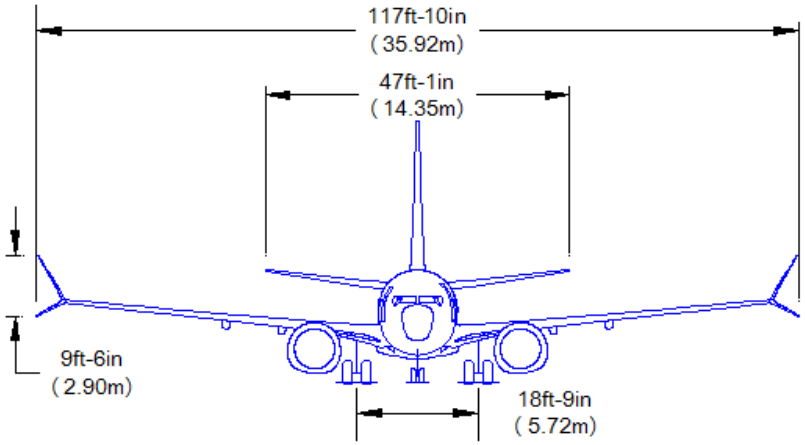


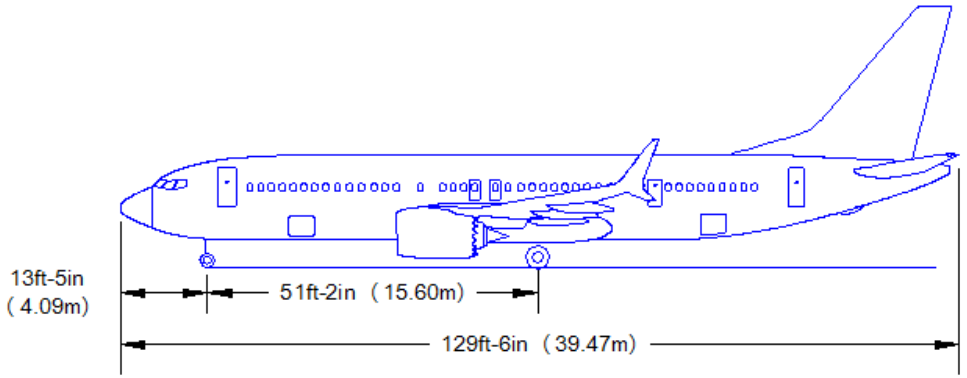
PRELIMINARY

737 MAX 200 General Arrangement

* Static ground line condition, all gears approximately 80% compressed



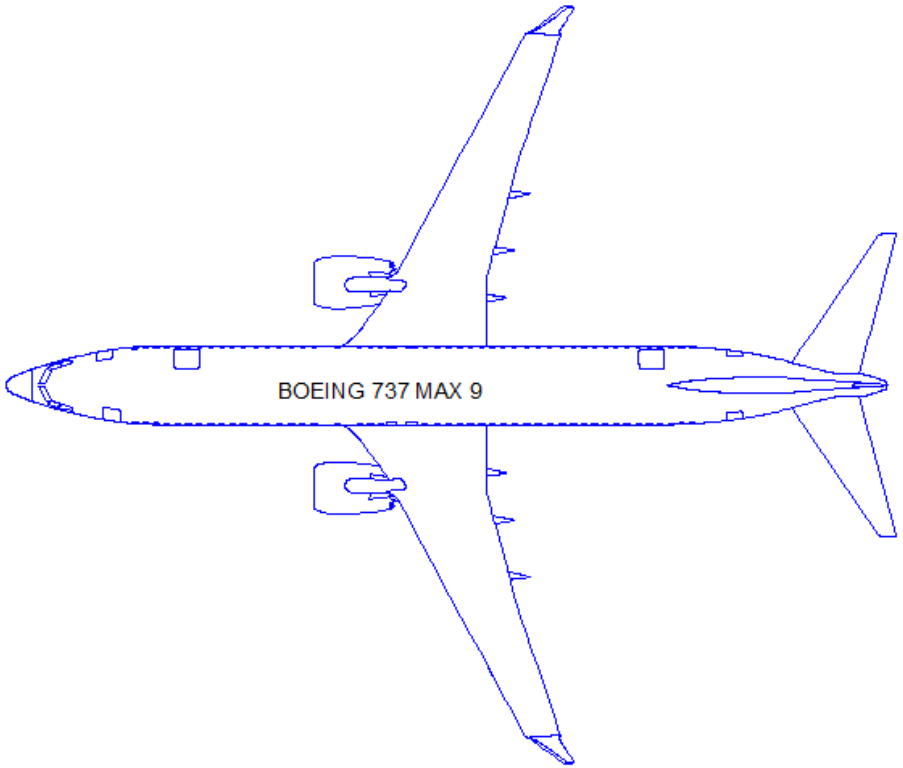


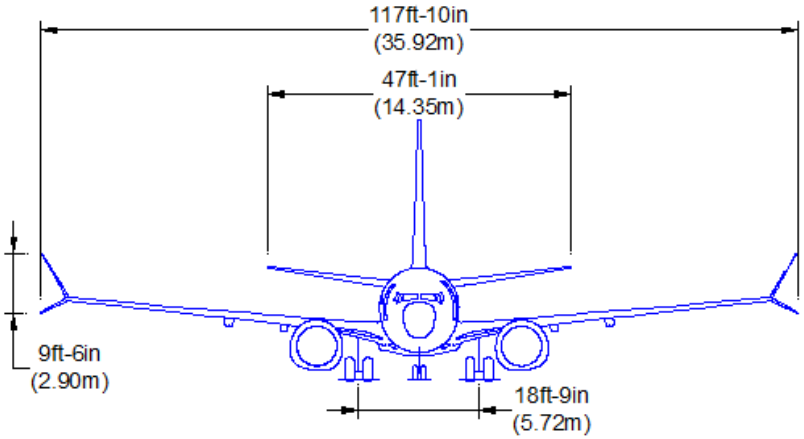


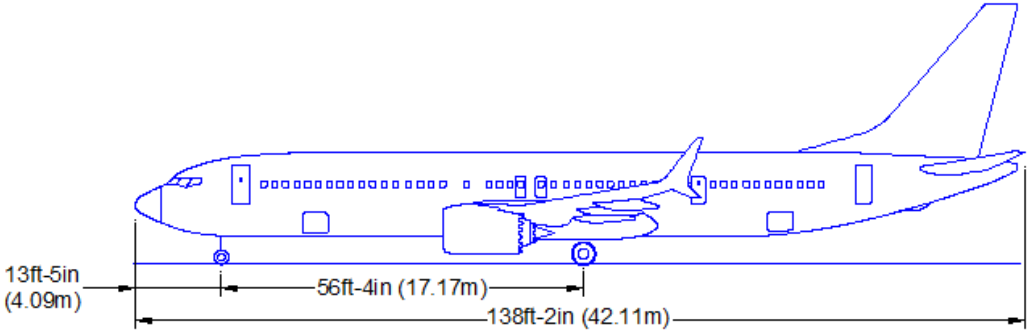
PRELIMINARY

737 MAX 9 General Arrangement

* Static ground line condition, all gears approximately 80% compressed







PRELIMINARY

737 MAX BBJ 8 General Arrangement

737 MAX BBJ 8 general arrangement is the same as the 737 MAX 8 (refer to the 737-8 Airplane Characteristics for Airport Planning)

Weight Comparisons with 737-700/800/900ER

Characteristics	Unit	737 MAX 7	737-700 with Winglet	737 MAX 200 & MAX BBJ 8	737-800 with Winglet	737 MAX 9	737-900ER with Winglet
Max Design Taxi Weight	lb	177,500	155,000	181,700	174,700	195,200	188,200
	kg	80,513	70,307	82,418	79,243	88,541	85,366
Max Design Takeoff Weight	lb	177,000	154,500	181,200	174,200	194,700	187,700
	kg	80,286	70,080	82,191	79,016	88,314	85,139
Max Design Landing Weight	lb	145,600	129,200	152,800	146,300	163,900	157,300
	kg	66,043	58,604	69,309	66,361	74,344	71,350
Max Design Zero Fuel Weight	lb	138,700	121,700	145,400	138,300	156,500	149,300
	kg	62,913	55,202	65,952	62,732	70,987	67,721
Max Usable Fuel	US gallon	6,820	6,875	6,820	6,875	6,820	6,875
	liter	25,817	26,024	25,817	26,024	25,817	26,024

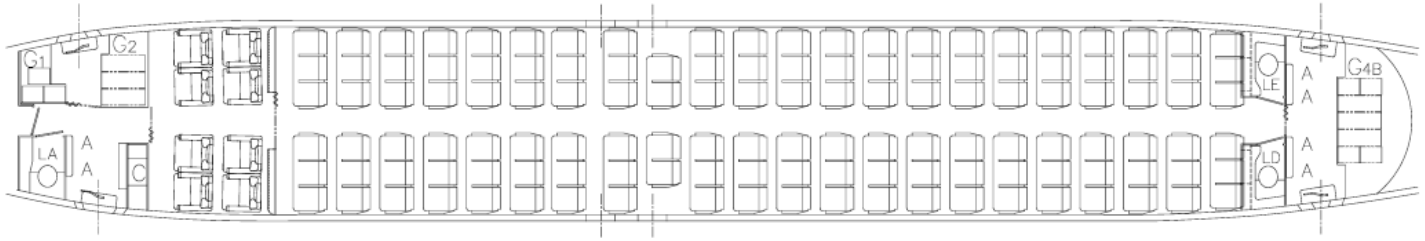
PRELIMINARY

Size Comparisons with 737-700/800/900ER

	737 MAX 7	737-700 with Winglet	737 MAX 200 & MAX BBJ 8	737-800 with Winglet	737 MAX 9	737-900ER with Winglet
Wing Span (ft-in / m)	117-10 / 35.92	117-5 / 35.79	117-10 / 35.92	117-5 / 35.79	117-10 / 35.92	117-5 / 35.79
ICAO Code Letter	C	C	C	C	C	C
FAA Design Group	III	III	III	III	III	III
Overall Length (ft-in /m)	116-8 / 35.56	110-4 / 33.63	129-6 / 39.47	129-6 / 39.47	138-2 / 42.11	138-2 / 42.11
RFF Category (ICAO)	6	6	7	7	7	7
ARFF Index (FAA)	B	B	C	C	C	C

PRELIMINARY

737 MAX 7 Interior Arrangement (typical)

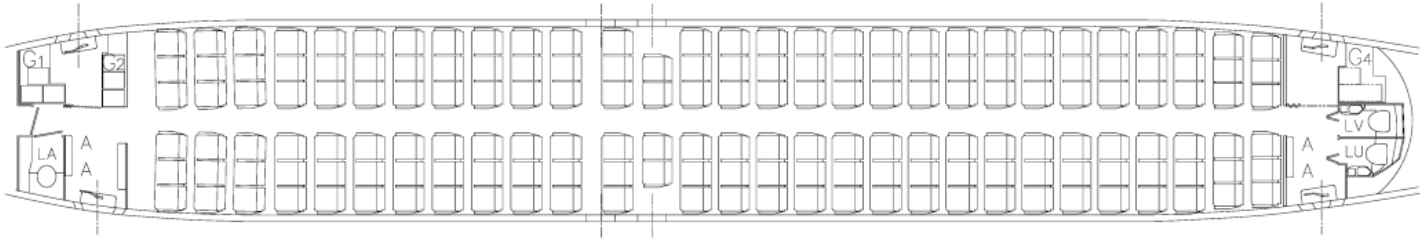


Two Class - 138 Passengers

8 Business Class – 36 in. Pitch

130 Economy Class – 32 in. Pitch

6 Seats at 31 in. Pitch



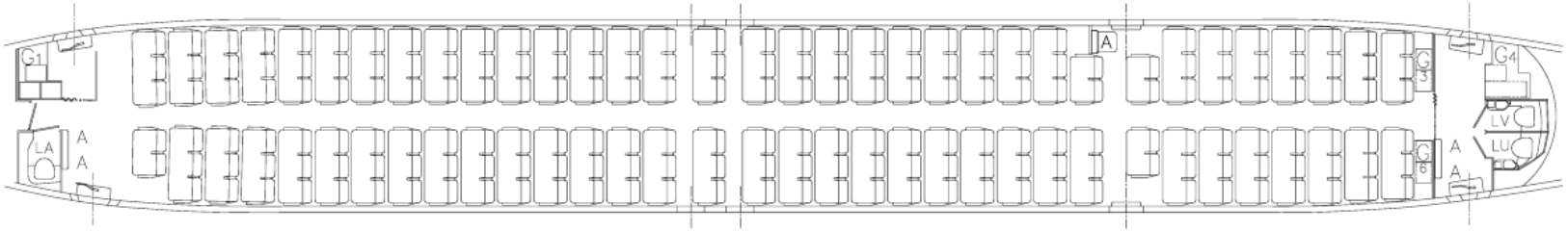
Max Seating - Single Class - 172 Passengers

28 in. Pitch

60 Seats at 29 in. Pitch

PRELIMINARY

737 MAX 200 Interior Arrangement (typical)

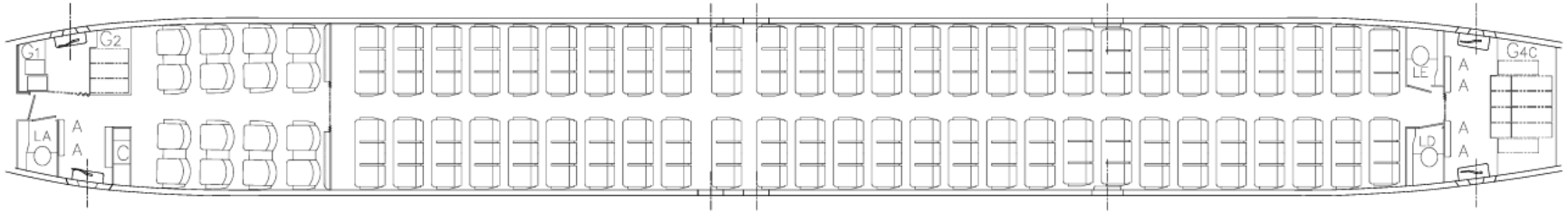


Max Seating - Single Class - 200 Passengers

28 in. Pitch

PRELIMINARY

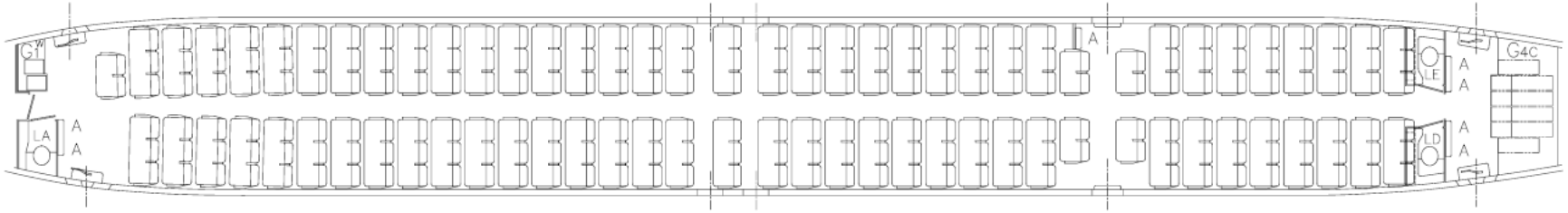
737 MAX 9 Interior Arrangement (typical)



Two Class – 178 Passengers

16 First Class – 36 in. Pitch

162 Economy Class – 32 in. Pitch

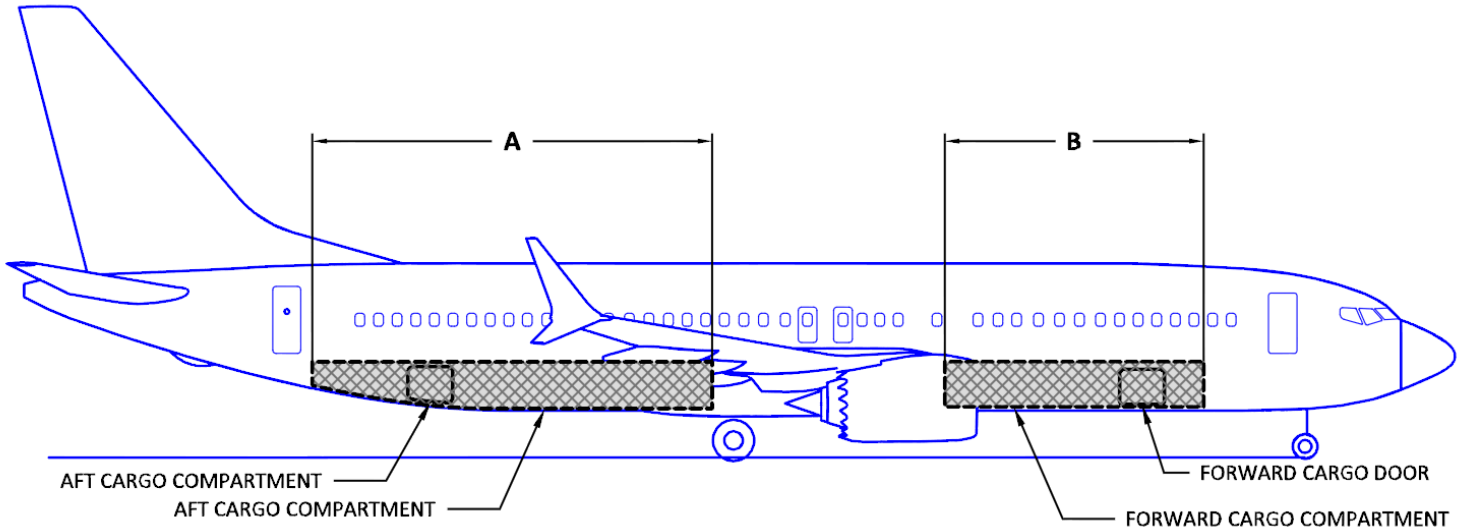


Max Seating - Single Class - 220 Passengers

28 in. Pitch

PRELIMINARY

737 MAX Cargo Compartments

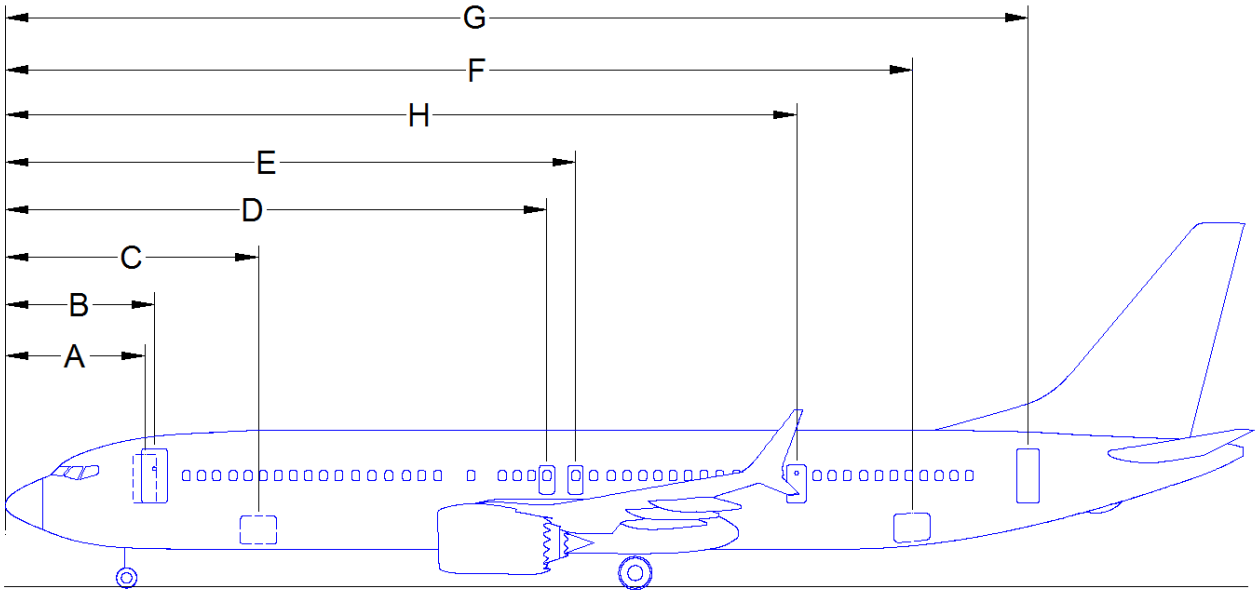


Airplane	Dimension A (ft-in / m)	Dimension B (ft-in / m)
737 MAX 7	30-3 / 9.22	17-4 / 5.28
737 MAX 200 / MAX BBJ 8	35-8 / 10.87	24-8 / 7.52
737 MAX 9	39-3 / 11.96	29-0 / 9.09

Airplane	AFT Cargo Compartment Capacity (cu. ft. / cu. m)	FWD Cargo Compartment Capacity (cu. ft. / cu. m)	Total Cargo Capacity (cu. ft. / cu. m)
737 MAX 7	714 / 20.22	432 / 12.23	1,146 / 32.45
737 MAX 200 / MAX BBJ 8	883 / 25.00	660 / 18.69	1,543 / 43.69
737 MAX 9	996 / 28.20	818 / 23.16	1,814 / 51.37

PRELIMINARY

737 MAX Door Locations



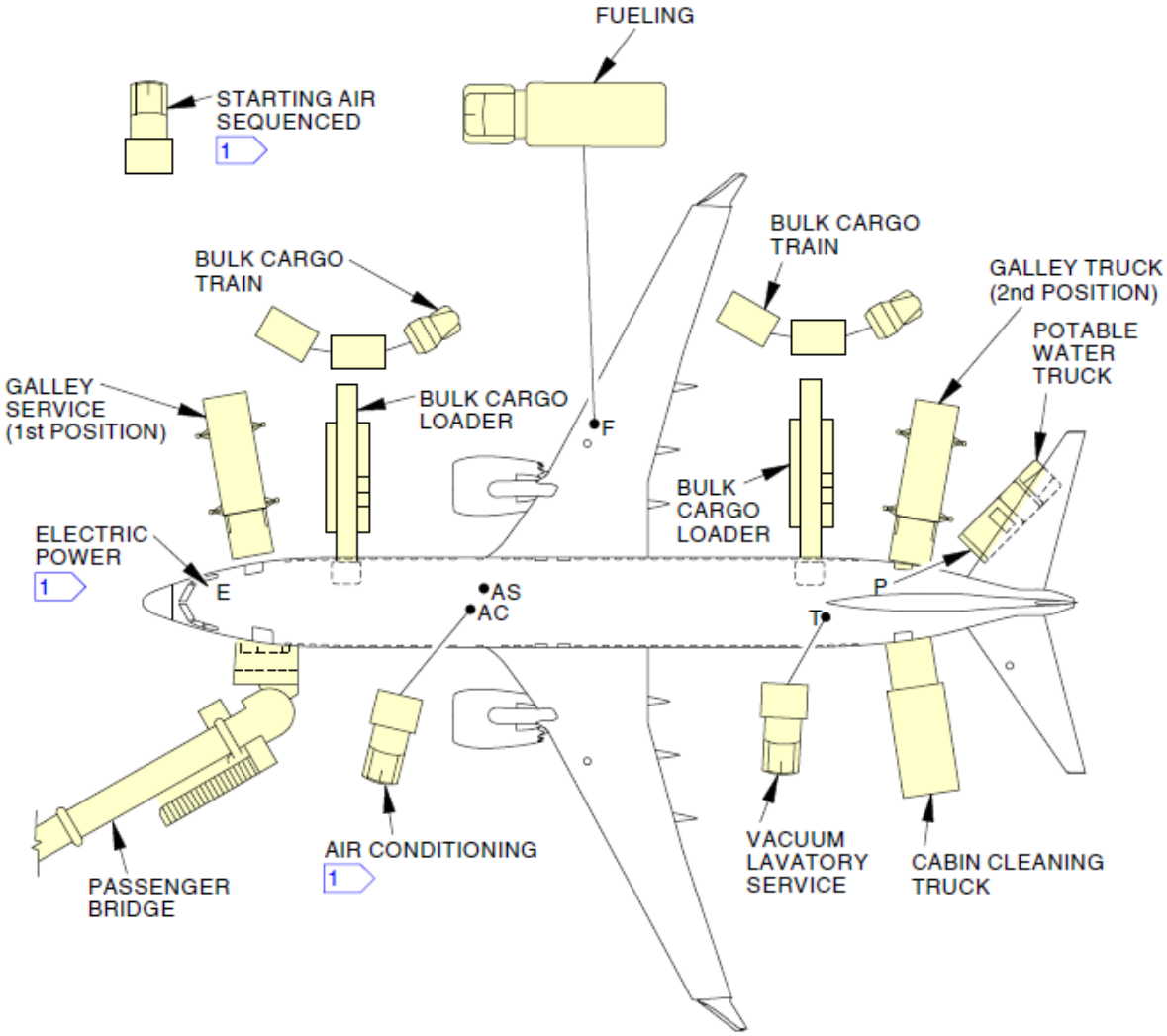
	Door Name	Door Location	737 MAX 7 (ft-in / m)	737 MAX 200 (ft-in / m)	737 MAX 9 (ft-in / m)	737 MAX BBJ 8 (ft-in / m)
A	**Fwd Service Door**	Right	15-4 / 4.67	15-4 / 4.67	15-4 / 4.67	15-4 / 4.67
B	**Fwd Main Entry Door**	Left	16-6 / 5.02	16-6 / 5.02	16-6 / 5.02	16-6 / 5.02
C	**Fwd Cargo Door**	Right	28-0 / 8.54	28-0 / 8.54	28-0 / 8.54	28-0 / 8.54
D	**Emergency Exit Door**	Left and Right	47-6 / 14.48	54-10 / 16.71	60-0 / 18.28	54-10 / 16.71
E	**Emergency Exit Door**	Left and Right	50-8 / 15.44	58-0 / 17.68	63-2 / 19.24	58-0 / 17.68
F	**Aft Cargo Door**	Right	78-11 / 24.05	91-9 / 27.95	100-5 / 30.59	91-9 / 27.95
G	**Aft Entry / Service Door**	Left and Right	91-9 / 27.97	104-7 / 31.88	113-3 / 34.52	104-7 / 31.88
H	**Emergency Exit Door**	Left and Right	--	82-8 / 25.19	87-7 / 26.70	--

PRELIMINARY

737 MAX 7 Ground Servicing

737 MAX 7 ground servicing arrangement is similar to the 737 MAX 8 (refer to the 737-8 Airplane Characteristics for Airport Planning)

737 MAX 8200 Ground Servicing



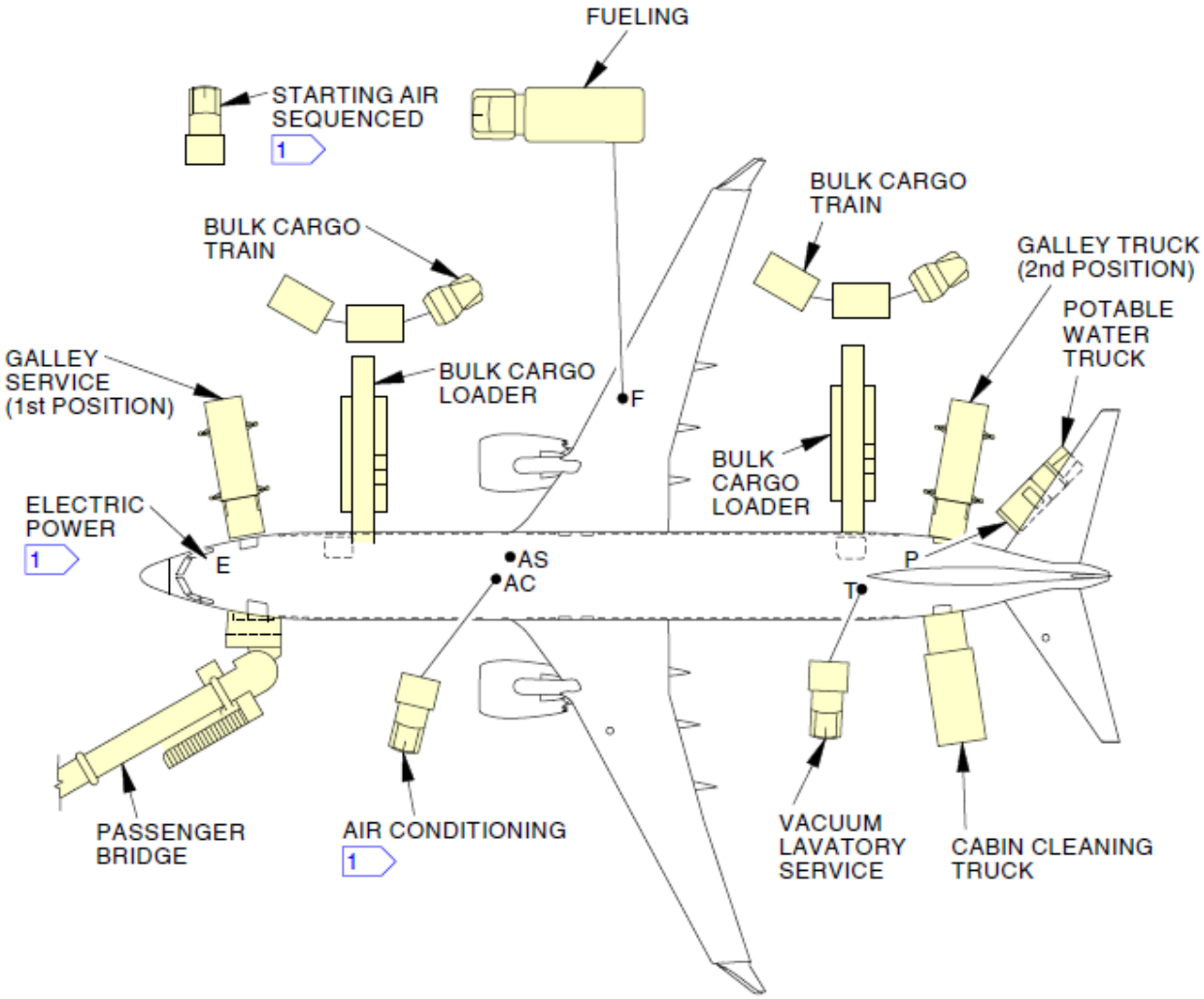
NOTE:

1 NOT REQUIRED IF APU IS IN USE

LEGEND:
F - FUEL
T - TOILET SERVICE
P - POTABLE WATER
E - ELECTRICAL POWER
AC - AIR CONDITIONING
AS - AIR START

PRELIMINARY

737 MAX 9 Ground Servicing



NOTE:

1 NOT REQUIRED IF APU IS IN USE

LEGEND:
F - FUEL
T - TOILET SERVICE
P - POTABLE WATER
E - ELECTRICAL POWER
AC - AIR CONDITIONING
AS - AIR START

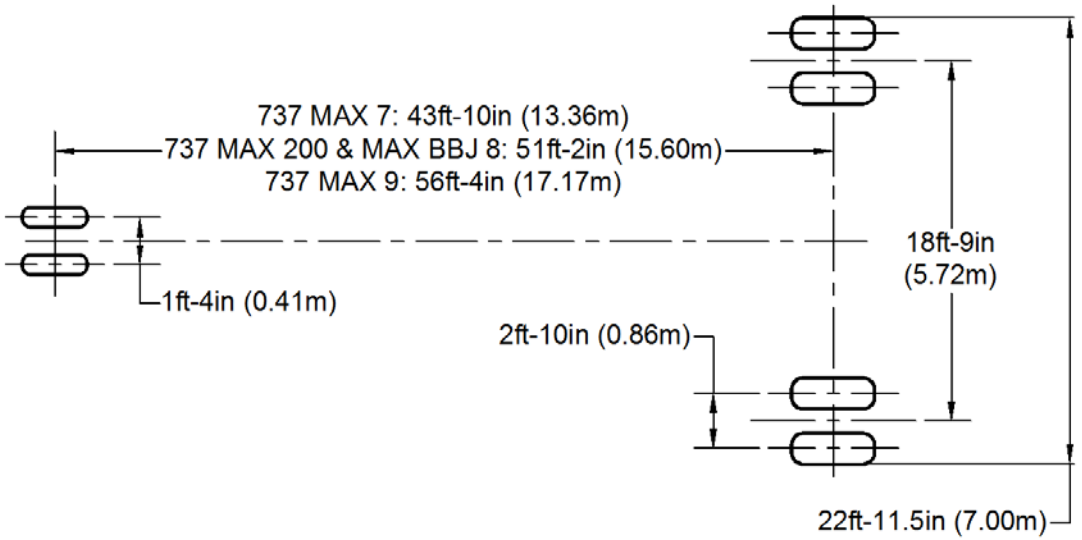
PRELIMINARY

737 MAX BBJ 8 Ground Servicing

737 MAX BBJ 8 ground servicing arrangement is the same as the 737 MAX 8 (refer to the 737-8 Airplane Characteristics for Airport Planning)

737 MAX Landing Gear Footprint

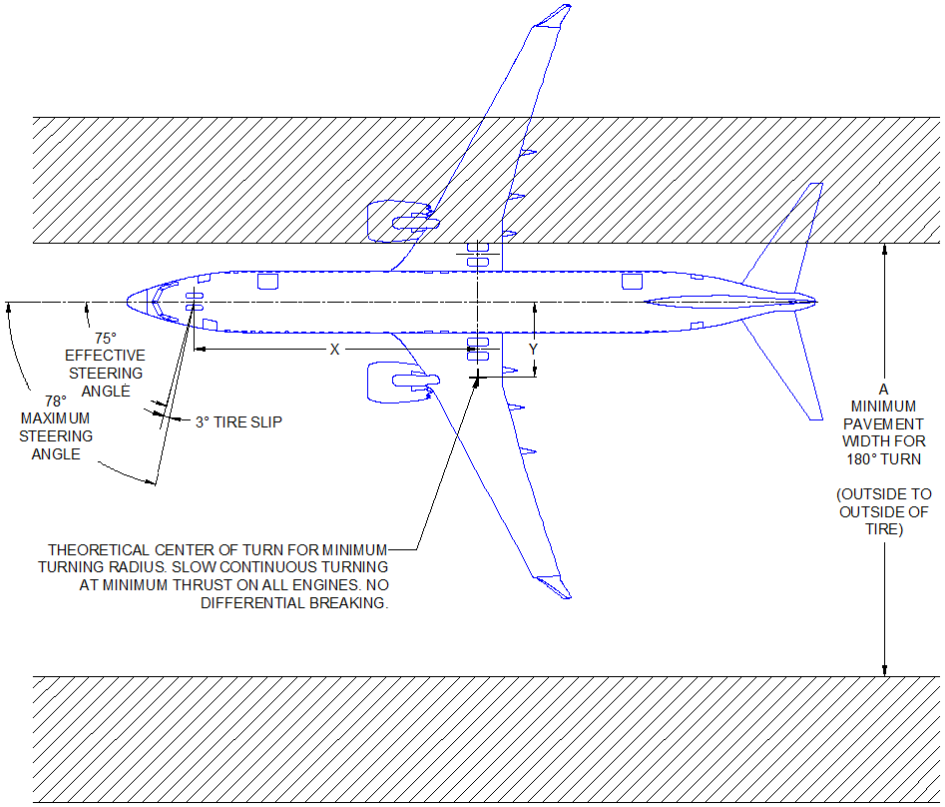
- 737 MAX 200 and MAX BBJ 8 landing gear footprint is the same as the 737 MAX 8 (and 737-800)
- 737 MAX 9 landing gear footprint remains the same as 737-900ER



	Unit	737 MAX 7	737 MAX 200 & MAX BBJ 8	737 MAX 9
Maximum Design Taxi Weight	lb	177,500	181,700	195,200
	Kg	80,513	82,418	88,541
Nose Gear Tire Size	In	27x7.75R15, 12PR	27x7.75R15, 12PR	27x7.75R15, 12PR
Nose Gear Tire Pressure	psi	205	190	170
	MPa	1.41	1.31	1.17
Main Gear Tire Size	In	H44.5X16.5R21, 30PR	H44.5X16.5R21, 30PR	H44.5X16.5R21, 32PR
Main Gear Tire Pressure	psi	205	210	230
	MPa	1.41	1.45	1.59

PRELIMINARY

737 MAX Min. U-Turn Pavement Width Requirements



Airplane	Effective Turning Angle (Deg)	X		Y		A	
		ft	m	ft	m	ft	m
737 MAX 7	75	44	13.4	12	3.7	70	21.3
737 MAX 200 & MAX BBJ8	75	52	15.8	14	4.3	80	24.4
737-9	75	57	17.4	16	4.9	86	26.2

Notes:
1. Approximate 3° tire slip angle for 78° steering angle.
2. Consult with airline for actual operating data.
3. Dimensions are rounded up to the next higher integer in feet, then converted and rounded to 0.1 meter

PRELIMINARY

737 MAX Aircraft Classification Number (ACN)

Airplane	Maximum Taxiway Weight Maximum Zero Fuel Weight (lb/kg)	Load on One Main Landing Gear Leg (%)	Tire Pressure (psi / MPa)	ACN for Rigid Pavement on Subgrade Strength Category (K, MN/m^3)				ACN for Flexible Pavement on Subgrade Strength Category (CBR)			
				A High (150)	B Medium (80)	C Low (40)	D Ultra Low (20)	A High (15)	B Medium (10)	C Low (6)	D Ultra Low (3)
737 MAX 7	177,500 / 80,513	46.69	205 / 1.41	50	53	55	57	44	46	51	56
	138,700 / 62,913			37	39	41	43	33	34	37	43
737 MAX 200	181,700 / 82,418	46.65	210 / 1.45	52	54	57	59	45	48	53	58
	145,400 / 65,952			40	42	44	45	35	36	40	45
737 MAX 9	195,200 / 88,541	47.07	230 / 1.59	59	61	64	65	50	53	58	63
	156,500 / 70,987			45	47	49	51	39	40	44	49

737 MAX BBJ 8 ACN values can be determined after the completion of all post-production modifications.

PRELIMINARY