



MAMMOTH FREIGHTERS

Introducing the
777-200LRMF & 777-300ERMF



Mammoth Freighters LLC (Mammoth) was founded in December of 2020 by two top cargo conversion program executives – Bill Wagner and Bill Tarpley – specifically to design, develop, convert, and support the development of passenger to freighter conversions. The launch type is the Boeing 777 (both the 200 LR and 300 ER variants). The Mammoth converted 777 is one of the most productive and economical 777 long range freighters in the world.

Mammoth, a Boeing Licensee for the Boeing 777, is developing a global production and conversion site network which will include its Ft. Worth, Alliance Texas Facility as well as additional conversion capacity planned at three other sites around the world.

Mammoth is backed by private investment funds managed by Fortress Investment Group LLC and its affiliates. Mammoth is based in Fort Worth, Texas with additional facilities in Rancho Bernardo, California, and Seattle, Washington.



Benefits & Differentiation



777 Fleet Commonality:
Aircraft, Containers, Tooling,
Engines, Training



Multiple Cargo Handling System
Capabilities Designed
for Every Mission



Superior Operating Economics



Highly Fuel Efficient
GE90-110/115 Engines



Emission Friendly Freighters



A Company and Product Built
with the Environment, Social
Responsibility and Corporate
Governance at the Forefront

GENERAL LAYOUT

Supernumerary compartment:
4 business class seats, 2 person crewrest

Electronically sequenced, hydraulically actuated
163.2" x 120" Main Deck Cargo Door

Powered Cargo Handling Systems

Window plugs

Perishable Cargo Temp Control
on Main Deck

9G Rigid Cargo Barrier

GE90 engine
carriage capable

Replaced and reinforced
floor and fuselage structure

Deactivated passenger doors
except L1 and R1

L3 door deleted



Supernumerary Area

4 business class seats with reading lights, eyeball air, and charging power access

Galley with 12 chilled Atlas compartments, oven, coffee maker,
boiler, pour over and potable water

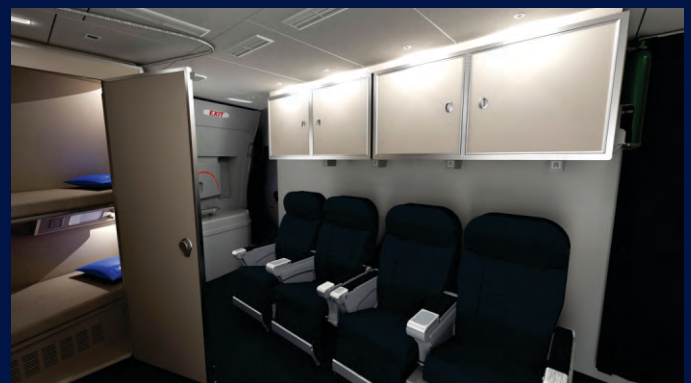
Full sized vacuum waste lavatory (retained)

Large crew rest with two sleeping bunks

Spacious, deployable dressing room area outside crew rest bunks

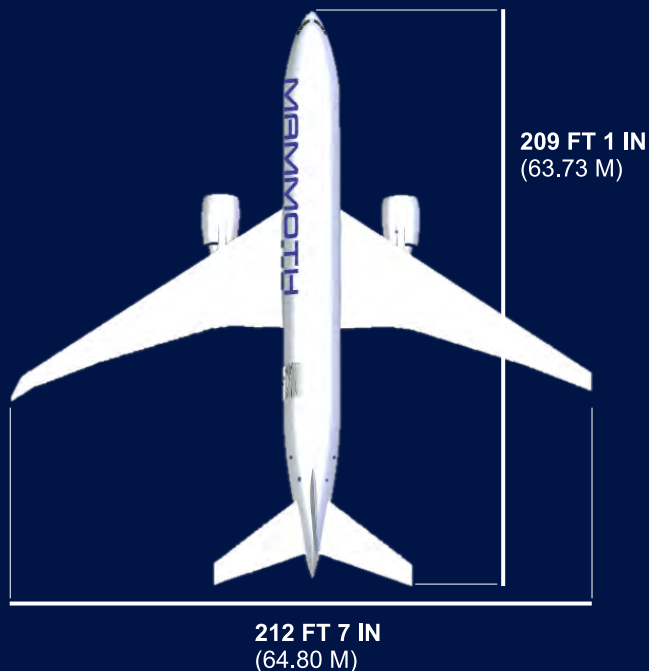
Stowage closet and coat rack

2 Degree AOA bed incline for level sleeping surface at cruise

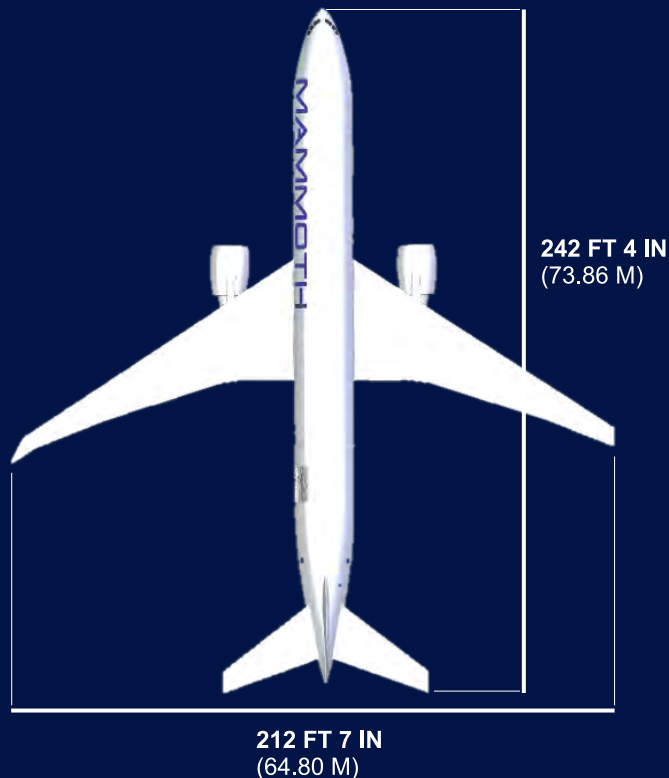


DIMENSIONS

777-200LRMF



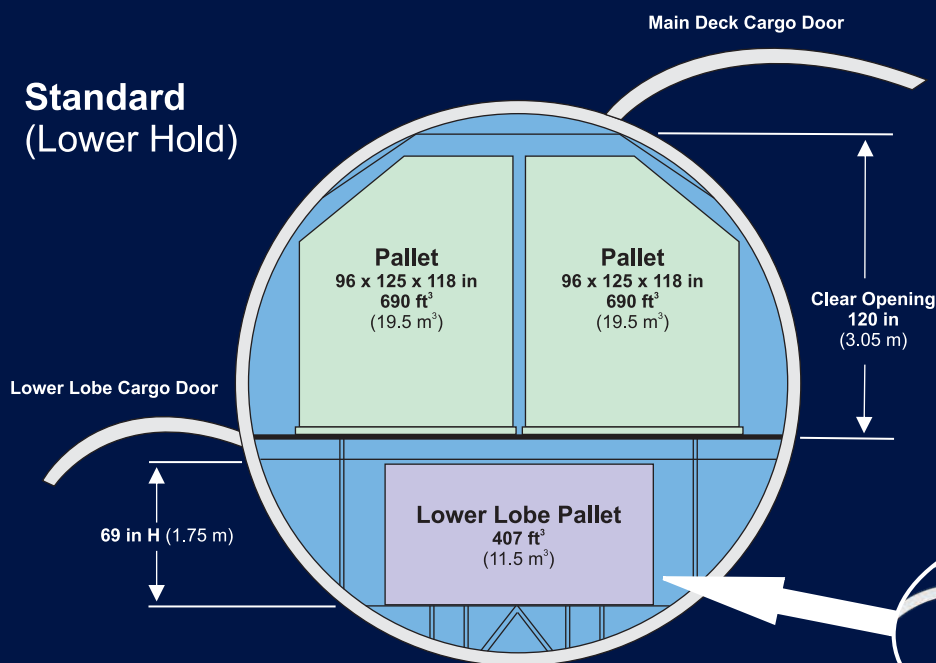
777-300ERMF



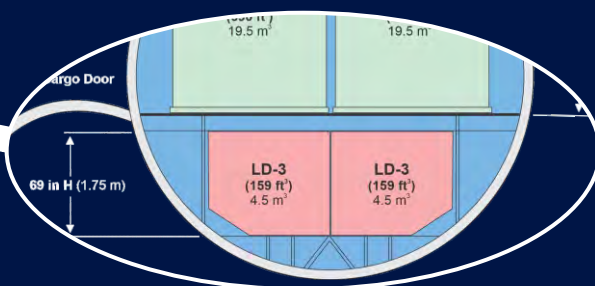
Cross Section

Same Size for all 777 Models

Standard (Lower Hold)



Alternate (Lower Hold)



777-200LRMF

Main Deck Cargo Layouts

Side by Side 96" x 125" (Standard)



- (22) 96x125x118 contoured pallets or containers at 690 ft³ each
- (4) 96x125x116 contoured pallets or containers at 627 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

Size Code G Side by Side (Standard)



- (2) 96x238.5x108-R contoured pallets at 1,054 ft³ each
- (2) 96x238.5x116-L contoured pallets at 1,400 ft³ each
- (4) 96x238.5x118-R contoured pallets at 1,283 ft³ each
- (3) 96x238.5x118-L contoured pallets at 1,419 ft³ each
- (4) 96x125x118 contoured pallets or containers at 690 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

88"x108" (Option)



- (30) 88x108x96 pallets or containers at 528 ft³ each

Size Code G Centerline (Option)



- (2) 96x238.5x108 contoured pallets at 1,054 ft³ each
- (2) 96x238.5x116 contoured pallets at 1,400 ft³ each
- (1) 96x238.5x118-R contoured pallets at 1,283 ft³ each
- (4) 96x238.5x118-L & Centerline contoured pallets at 1,419 ft³ each
- (2) 96x125x118 contoured pallets or containers at 690 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

Lower Hold Cargo Layouts



- (10) 96-inch pallets [6 FWD, 4 AFT*]
- * Requires large aft lower hold door



- (32) LD3 Containers [18 FWD, 14 AFT]

AFFORDABLE

FLEXIBLE

PURPOSE-BUILT

Weights & Capabilities (preliminary)

777-200LRMF

Maximum Takeoff Weight (MTOW)	766,000 lb	347,452 kg
Maximum Landing Weight (MLW)	570,000 lb	258,548 kg
Max Design Zero Fuel Weight (MZFW)	541,000 lb	245,394 kg
Operating Empty Weight (OEW)	308,000 lb	139,707 kg
Max Gross Payload	233,000 lb	105,687 kg
Total Volume	22,971 ft ³	650 m ³
Density	10.14 lbs/ft ³	162.60 kgs/m ³
Maximum Range at Max Payload	4,900 NM	4,900 NM
Maximum Fuel Capacity	47,890 US Gal	181,283 L

777-300ERMF

Main Deck Cargo Layouts

Side by Side 96" x 125" (Standard)



- (28) 96x125x118 contoured pallets or containers at 690 ft³ each
- (4) 96x125x116 contoured pallets or containers at 627 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

Size Code G Side by Side (Standard)



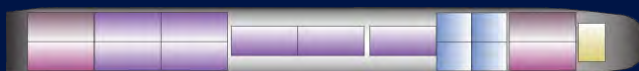
- (2) 96x238.5x108-R contoured pallets at 1,054 ft³ each
- (2) 96x238.5x116-L contoured pallets at 1,400 ft³ each
- (5) 96x238.5x118-R contoured pallets at 1,283 ft³ each
- (4) 96x238.5x118-L contoured pallets at 1,419 ft³ each
- (6) 96x125x118 contoured pallets or containers at 690 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

88"x108" (Option)



- (36) 88x108x96 pallets or containers at 528 ft³ each

Size Code G Centerline (Option)



- (2) 96x238.5x108 contoured pallets at 1,054 ft³ each
- (2) 96x238.5x116 contoured pallets at 1,400 ft³ each
- (2) 96x238.5x118-R contoured pallets at 1,283 ft³ each
- (5) 96x238.5x118-L & Centerline contoured pallets at 1,419 ft³ each
- (4) 96x125x118 contoured pallets or containers at 690 ft³ each
- (1) 96x125x96 contoured pallets or containers at 613 ft³ each

Lower Hold Cargo Layouts



- (14) 96-inch pallets [8 FWD, 6 AFT]



- (44) LD3 Containers [24 FWD, 20 AFT]

LIFT MORE

FLY FARTHER

LEAVE NOTHING BEHIND

Weights & Capabilities (preliminary)

777-300ERMF

Maximum Takeoff Weight (MTOW)	775,000 lb	351,534 kg
Maximum Landing Weight (MLW)	572,000 lb	259,455 kg
Max Design Zero Fuel Weight (MZFW)	543,000 lb	246,301 kg
Operating Empty Weight (OEW)	327,000 lb	148,325 kg
Max Gross Payload	216,000 lb	97,976 kg
Total Volume	28,939 ft ³	819 m ³
Density	7.46 lbs/ft ³	119.49 kgs/m ³
Maximum Range at Max Payload	4,800 NM	4,800 NM
Maximum Fuel Capacity	47,890 US Gal	181,283 L

FACILITIES

ASPIRE MRO

Alliance Airport, Fort Worth, TX USA



Facility Features:

778,125 sq/ft clear span hangar. One of the largest aircraft modifications and heavy maintenance facilities in the world

180,000 sq/ft back shops, manufacturing, engineering, design and test labs

7 wide body bays; Full 10 Ton Overhead Crane System in each bay

Accommodates all Boeing aircraft including 777-200LR and 777-300ER in all bays

Two full heavy maintenance widebody docks (fuselage, wings, and empennage)

Priority use of significant ramp space (Entire Apron and Wash Rack)

62,000 sq/ft Main Cargo Door and door surround assembly and support shop – Building 6 (4 Ton Crane System)



mammoth777.com

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