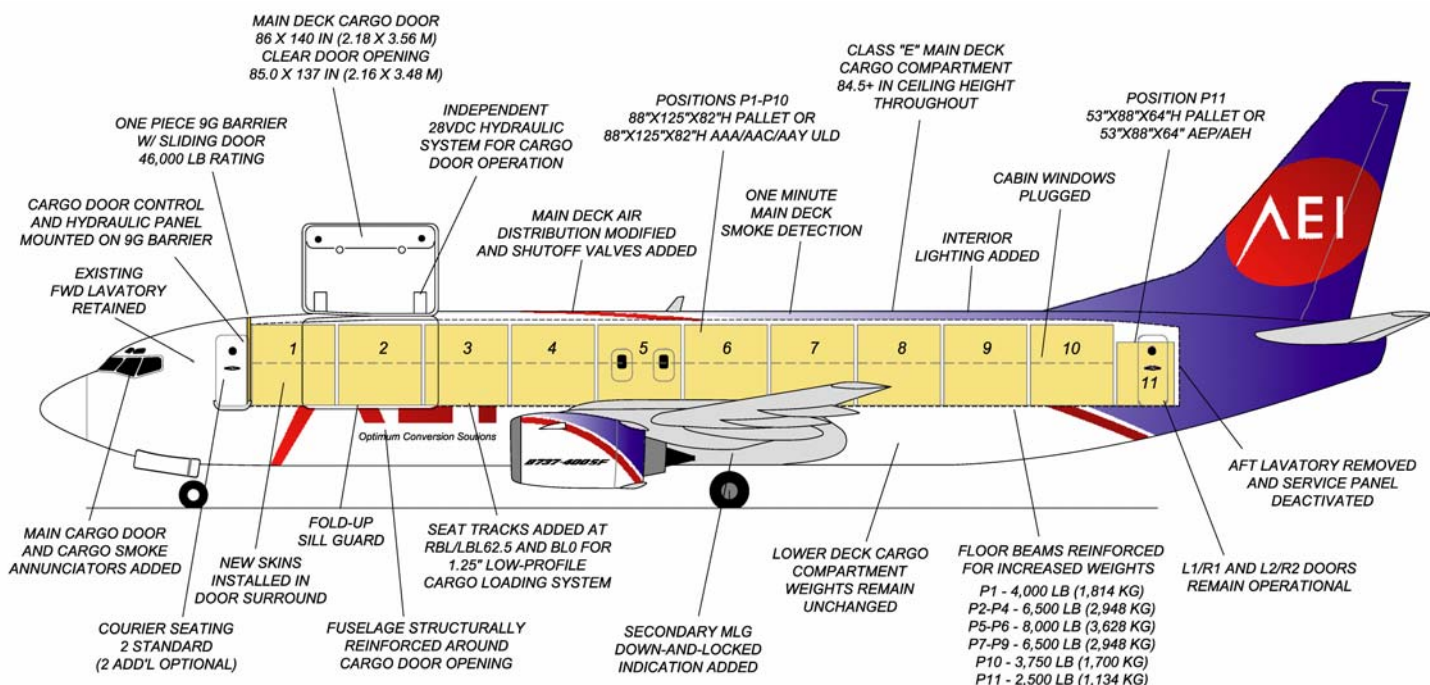




Freighter Conversion Data Sheet

The Aeronautical Engineers Inc. (AEI) B737-400SF Cargo Conversion per FAA STC ST01827LA, consists of the installation of a 86"x140" cargo door on the left side of the fuselage, and modification of main deck to a Class E cargo compartment. After conversion the aircraft can carry ten 88"x125" AAA full height containers or pallets plus one AEP/AEH, with pallet weights up to 8,000 lbs.

AEI's cargo door has earned a reputation of being the most robust and reliable in the conversion industry. The cargo door is hydraulically operated and actuated from the inside of the aircraft by an independent system. Hydraulic pressure is available from two sources; a 28VDC electrically operated hydraulic pump or a manual hand pump. The door control and manual pump are located on the 9g barrier, allowing a single person to operate the door manually.



Approvals

United States FAA
STC ST01827LA

European EASA
EASA.IM.A.S.01754

Chinese CAAC
VSTC-201

Brazilian ANAC
CHST 2008S09-09

Russian & CIS
No 19-737



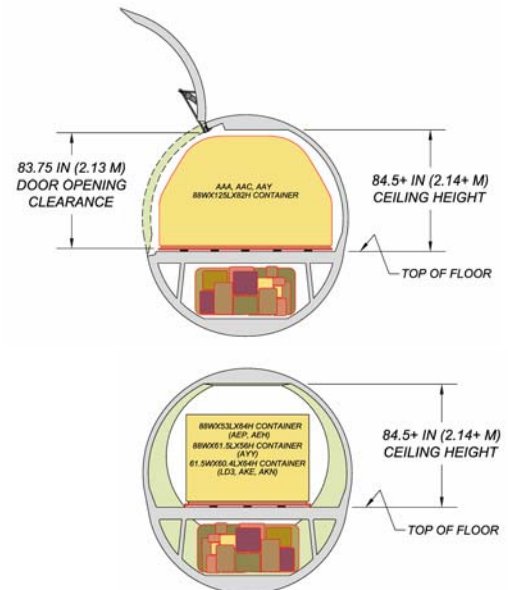
Freighter Weights and Volumes

	Standard Gross Weight	Heavy Gross Weight
MTW*	Up to 144,000 LB Max (65,317 kg)	Up to 150,500 LB Max (68,265 kg)
MTOW*	Up to 143,500 LB Max (65,090 kg)	Up to 150,000 LB Max (68,038 kg)
MZFW*	Up to 113,000 LB Max (51,257 kg)	Up to 117,000 LB Max (53,070 kg)
MLW*	Up to 121,600 LB Max (54,884 kg)	Up to 124,000 LB Max (56,245 kg)
BEW**	69,900 LB (31,706 kg)	70,900 LB (32,160 kg)
Total Aircraft Payload***	Up to 43,100 LB Max (19,550 kg)	Up to 47,100 LB Max (21,364 kg)
Fuel Capacity	5,311 USG (20,103 L)	5,311 USG (20,103 L)

*Aircraft as-delivered weights
**Typical BEW after conversion, depends on original aircraft configuration
***Typical Max Payload, depends on aircraft OEW and MZFW

Main Deck Usage Volume	
10 ULD's - 88"x125"x82"H 1 ULD - 53"x88"x64"H	4,572 Ft³ (129 m ³)
10 Netted Pallets 1 ULD - 53"x88"x64"H	4,416 FT³ (125.0 m ³)

POSITION 1 TO 10 88"x125"x82"H CONTAINERS



POSITION 11 53"x88"x64"H Pallet AEP/AEH or 60.4"x61.5" AKE/LD3 or 61.5"x88"x56"H AYY

Main Attributes

- Ten 88"x125" Pallet Positions
- Can accommodate AAA containers in P1-P10 and a AEP/AEH in P11
- Up to 47,100 LB (21,364 KG) Main Deck Payload (depending on Model & Aircraft Weight Limits)
- Reinforced Floor structure for highest average position weights in industry
- 86" x 140" cargo door
- Dual Vent Door System
- High reliability, 28VDC, independent cargo door hydraulic system
- Cabin windows replaced with lightweight aluminum window plugs
- 9g rigid cargo / smoke barrier with sliding door
- Relocated DFDR for 84.5" + ceiling height through out cargo compartment, including last position
- Stretch Formed fuselage skins
- Up to 4 Supernumerary Seats



Aeronautical Engineers, Inc.

Corporate Headquarters
7765 NW 54 Street
Miami, FL 33166

Phone: 1.305.594.5802
Fax: 1.305.594.5804

Sales & Marketing
Robert T. Convey
Vice President Sales & Marketing
2945 Townsgate Road
Suite 200
Westlake Village, CA 91361
Cell Phone: 1.818.406.3666

Email:
rconvey@aeronautical-engineers.com
sales@aeronautical-engineers.com
engineering@aeronautical-engineers.com

Web:
www.aeronautical-engineers.com