Internal Air Transport Certification

AFLCMC/EZFC (ATTLA)
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https://intelshare.intelink.gov/sites/attla/

Date: 5 November 2019
Item Nomenclature: Hyster H40FT-AF 4K Forklift
File Number: 2019.11.01
Requestor: On File

Item Description: The subject item is identified to be a 2-axle, 4,000 lb capacity forklift. Approximate dimensions are 104” L x 49” W x 88” H. The gross weight is 9,640 lbs. The front axle is reported to weigh 4,430 lbs. The rear axle is reported to weigh 5,210 lbs.

NOTE: The listed dimensions are approximations. Actual dimensions can vary as long as aircraft limitations published in applicable cargo loading manuals and the conditions of certification listed below are not violated. Adjustments to loading methods shall be reported to ATTLA.

Figure 1: Hyster H40FT-AF 4K Forklift

Certified Aircraft: USAF C-130, C-17, and C-5

Conditions of Certification:

1. **Maximum Weight for Air Transport:**

   a. Gross Vehicle Weight: 10,500 lbs

   b. Axle Limits**:**

   Front – 4,790 lbs
   Rear – 5,710 lbs

2. **Item Preparation:**

   a. Shipper is responsible for providing all shoring materials. See paragraph 5 for specifications.

b. All hazardous materials (to include fuel level, batteries, etc.) must be prepared and certified for airlift in accordance with TM 38-250/AFMAN 24-204(I). Do not consider this air transport certification as approval for hazardous materials. Authorization for airlifting hazardous material is the responsibility of AFMC/A4RT (DSN 787-4503 or COM (937) 257-4503).

3. Loading Instructions:

a. The forklift can be loaded using general loading procedures as listed in the respective aircraft cargo loading manual.

b. Forklift carriage height may be adjusted during loading to avoid contact with the aircraft.

c. Once in position, lower forklift tines onto floor protection shoring. See paragraph 5 for specifications

4. Restraint Requirements: The Hyster H40FT-AF 4K Forklift and all accompanying cargo must be restrained to meet air transport requirements of 3G forward, 1.5G aft and lateral, and 2G up. In addition, stored or installed equipment must meet these requirements and be capable of withstanding a 4.5G down load. Restraint may be applied to axles up to their axle ratings in longitudinal and lateral directions as listed in paragraph 1.b. Do not apply more than 50% of required restraint to vehicle axles for longitudinal and lateral directions. There are 4 tie-down rings rated at 15,500 lbs each. The forklift carriage and frame points may be utilized for additional restraint.

5. Shoring Dimensions

a. Floor Protection: Position under the forklift tines with sufficient dimensions to avoid metal to metal contact with the aircraft floor. Thickness shall be a minimum of ½".

Required Distribution:

1. Shipper shall give a copy of this certification to the ATOC representative when the item is presented for airlift. This memo shall be part of the official cargo manifest documentation package and shall be briefed to the aircraft loadmaster prior to loading this item.

2. AMC/A3V.

3. SDDC TEA.

Point of Contact: Nathan Griesinger, at nathan.griesinger.2@us.af.mil or ATTLA@us.af.mil, DSN 986-9904 or Commercial (937) 656-9904. Refer to file number 2019.11.01 to reference this item.

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