
TEMA: 0623 ATP-RTC - Weight & Balance - Chap.5

COD_PREG: **PREGUNTA:**

RPTA:

8419 What is the result of loading a helicopter so that the CG is aft of the rearward limit?

C

OPCION A: Insufficient aft cyclic control to decelerate properly during an approach.

OPCION B: Inability of the pilot to recognize this dangerous condition when hovering in a strong headwind.

OPCION C: Insufficient forward cyclic control to fly in the upper allowable airspeed range.

8769 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 x 48.5 inches?

C

Floor load limit - 76 lb/sq ft.

Pallet weight - 44 lb.

Tiedown devices - 27 lb.

OPCION A: 857.4 pounds.

OPCION B: 830.4 pounds.

OPCION C: 786.5 pounds.

8770 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 36.5 x 48.5 inches?

B

Floor load limit -112 lb/sq ft.

Pallet weight - 45 lb.

Tiedown devices -29 lb.

OPCION A: 1,331.8 pounds.

OPCION B: 1,302.8 pounds.

OPCION C: 1,347.8 pounds.

8771 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 42.6 x 48.7 inches?

B

Floor load limit - 121 lb/sq ft.

Pallet weight - 47 lb.

Tiedown devices - 33 lb.

OPCION A: 1,710.2 pounds.

OPCION B: 1,663.2 pounds.

OPCION C: 1,696.2 pounds.

8772 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 x 68.7 inches?

A

Floor load limit - 85 lb/sq ft.

Pallet weight - 44 lb.

Tiedown devices - 29 lb.

OPCION A: 924.5 pounds.

OPCION B: 968.6 pounds.

OPCION C: 953.6 pounds.

8773 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 34.6 x 46.4 inches?

A

Floor load limit ----- 88 lb/sq ft

Pallet weight ----- 41 lb

Tiedown devices ----- 26 lb

OPCION A: 914.1 pounds

OPCION B: 940.1 pounds

OPCION C: 981.1 pounds

8776 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 x 48.5 inches?

B

Floor load limit ----- 66 lb/sq ft

Pallet weight ----- 34 lb

Tiedown devices ----- 29 lb

OPCION A: 744.6 pounds

OPCION B: 681.6 pounds

OPCION C: 663.0 pounds

8777 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 36.5 x 48.5 inches? C
Floor load limit ----- 107 lbs/sq ft
Pallet weight ----- 37 lb
Tiedown devices ----- 33 lb

- OPCION A:** 1,295.3 pounds
OPCION B: 1,212.3 pounds
OPCION C: 1,245.3 pounds

8778 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 42.6 x 48.7 inches? A
Floor load limit ----- 117 lb/sq ft
Pallet weight ----- 43 lb
Tiedown devices ----- 31 lb

- OPCION A:** 1,611.6 pounds
OPCION B: 1,654.6 pounds
OPCION C: 1,601.6 pounds

8779 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 x 68.7 inches? B
Floor load limit ----- 79 lb/sq ft
Pallet weight ----- 43 lb
Tiedown devices ----- 27 lb

- OPCION A:** 884.1 pounds
OPCION B: 857.1 pounds
OPCION C: 841.1 pounds

8781 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 143 x 125.2 inches? C
Floor load limit ----- 209 lb/sq ft
Pallet weight ----- 197 lb
Tiedown devices ----- 66 lb

- OPCION A:** 25,984.9 pounds
OPCION B: 25,787.9 pounds
OPCION C: 25,721.9 pounds

8787 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 138.5 x 97.6 inches? B
Floor load limit ----- 235 lb/sq ft
Pallet weight ----- 219 lb
Tiedown devices ----- 71 lb

- OPCION A:** 21,840.9 pounds
OPCION B: 21,769.9 pounds
OPCION C: 22,059.9 pounds

8788 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 96.1 x 133.3 inches? A
Floor load limit ----- 249 lb/sq ft
Pallet weight ----- 347 lb
Tiedown devices ----- 134 lb

- OPCION A:** 21,669.8 pounds
OPCION B: 21,803.8 pounds
OPCION C: 22,120.8 pounds

8789 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 87.7 x 116.8 inches? A
Floor load limit ----- 175 lb/sq ft
Pallet weight ----- 137 lb
Tiedown devices ---. 49 lb
OPCION A: 12,262.4 pounds
OPCION B: 12,448.4 pounds
OPCION C: 12,311.4 pounds

8790 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 98.7 x 78.9 inches? C
Floor load limit ----- 183 lb/sq ft
Pallet weight ----- 161 lb
Tiedown devices ----- 54 lb
OPCION A: 9,896.5 pounds
OPCION B: 9,735.5 pounds
OPCION C: 9,681.5 pounds

8791 What minimum floor load limit must an aircraft have to carry the following pallet of cargo? C
Pallet size is 78.9 wide and 98.7 long
Pallet weight ----- 161 lb
Tiedown devices ----- 54 lb
Cargo weight ----- 9,681.5 lb
OPCION A: 182 lb/sq ft
OPCION B: 180 lb/sq ft
OPCION C: 183 lb/sq ft

8844 What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? A
Pallet dimensions are 39 x 37 inches
Pallet weight - 37 lbs.
Tiedown devices - 21 lbs.
Cargo weight - 1,094.3 lbs.
OPCION A: 115 lbs/sq ft.
OPCION B: 112 lbs/sq ft.
OPCION C: 109 lbs/sq ft.

8845 What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? C
Pallet dimensions are 37.5 x 35 inches.
Pallet weight - 34 lbs.
Tiedown devices - 23 lbs.
Cargo weight - 1,255.4 lbs.
OPCION A: 152 lbs/sq ft.
OPCION B: 148 lbs/sq ft.
OPCION C: 144 lbs/sq ft.

8846 What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? B
Pallet dimensions are 48.5 x 33.5 inches
Pallet weight - 44 lbs.
Tiedown devices - 27 lbs.
Cargo weight - 786.5 lbs.
OPCION A: 79 lbs/sq ft.
OPCION B: 76 lbs/sq ft.
OPCION C: 73 lbs/sq ft.

8847 What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo?

B

Pallet dimensions are 116.8 x 87.7 inches

Pallet weight 137 lbs

Tiedown devices 49 lbs.

Cargo weight 12,262.4 lbs

OPCION A: 172 lbs/sq ft

OPCION B: 176 lbs/sq ft

OPCION C: 179 lbs/sq ft
