

1973 BEECH C23

ERA17FA106 (N24695)

Generic Weight and Balance

max gross wt 2450

useful load =

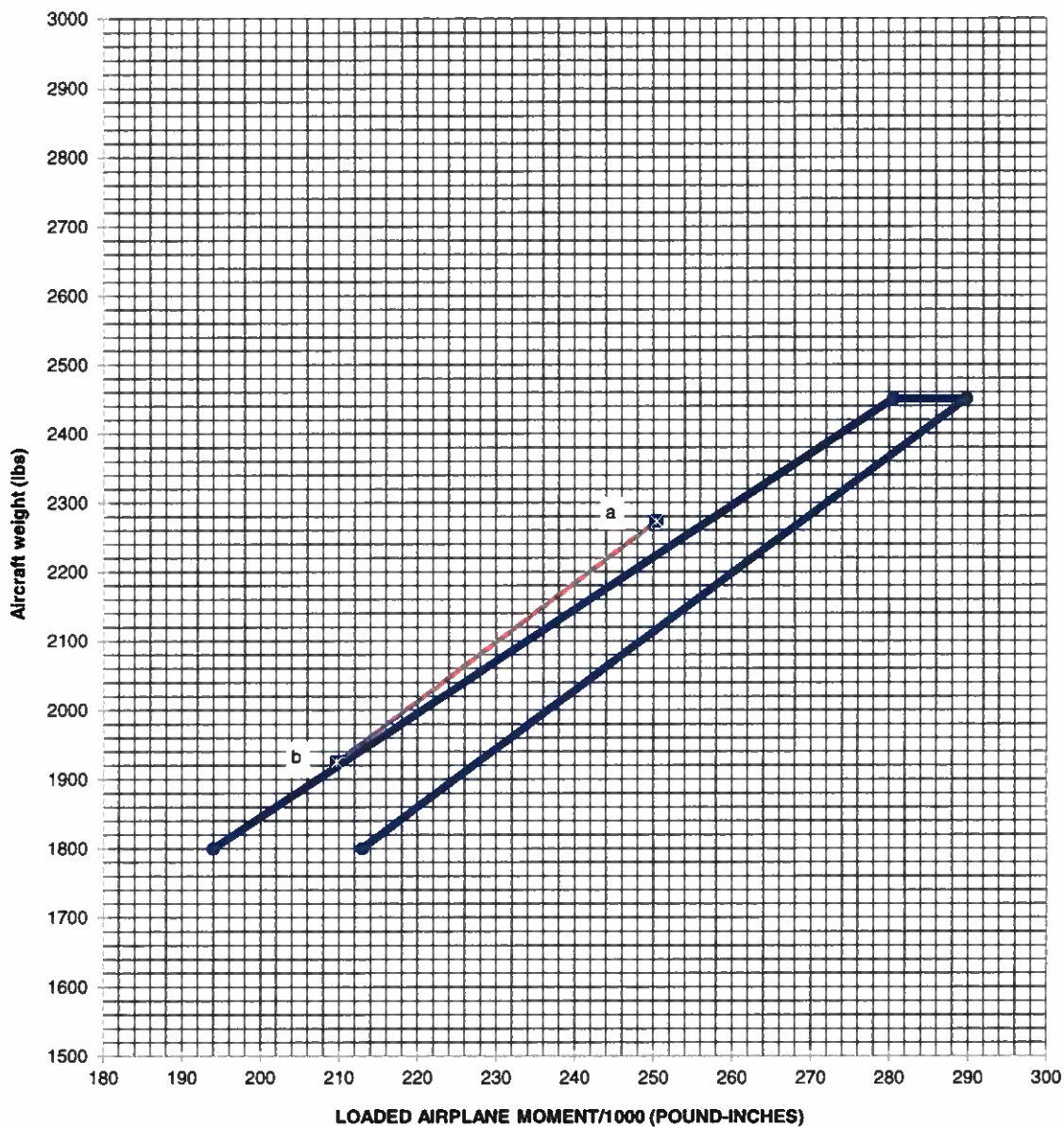
Loaded Aircraft				
	wt	arm	mom/1000	C.G.
empty wt	1521	xxx	167.3	
fuel	348	xxx	40.7	58 gallons
oil			0.0	0 quarts
Seat # 1	214	105	22.5	
Seat # 2	190	105	20.0	
Seat # 3	0		0.0	
Seat # 4	0		0.0	
Seat # 5	0		0.0	
Seat # 6	0		0.0	
Seat #7	0		0.0	
Fwd bag	0		0.0	
Aft bag	0		0.0	
Bag area A	0		0.0	
Bag area b	0		0.0	
Bag area C	0		0.0	
Bag area D	0		0.0	
Aft Baggage	0		0.0	
Total Wt.	2273	110.2	250.4	177 lbs.

PLOT DATA					
Envelope		Actual Data			
mom/1000	wt				
194	1800	250.4	2272.7	a	Loaded a/c
280.525	2450	209.7	1924.7	b	empty fuel
289.835	2450				
212.94	1800				

Note 1: Shaded areas require manual input

Note 2: A & b tags must be positioned manually

CENTER OF GRAVITY MOMENT ENVELOPE WORKSHEET



1973 BEECH C23

ERA17FA106 (N24695)

Pilots + 100 Pounds of Ballast

max gross wt 2450

useful load =

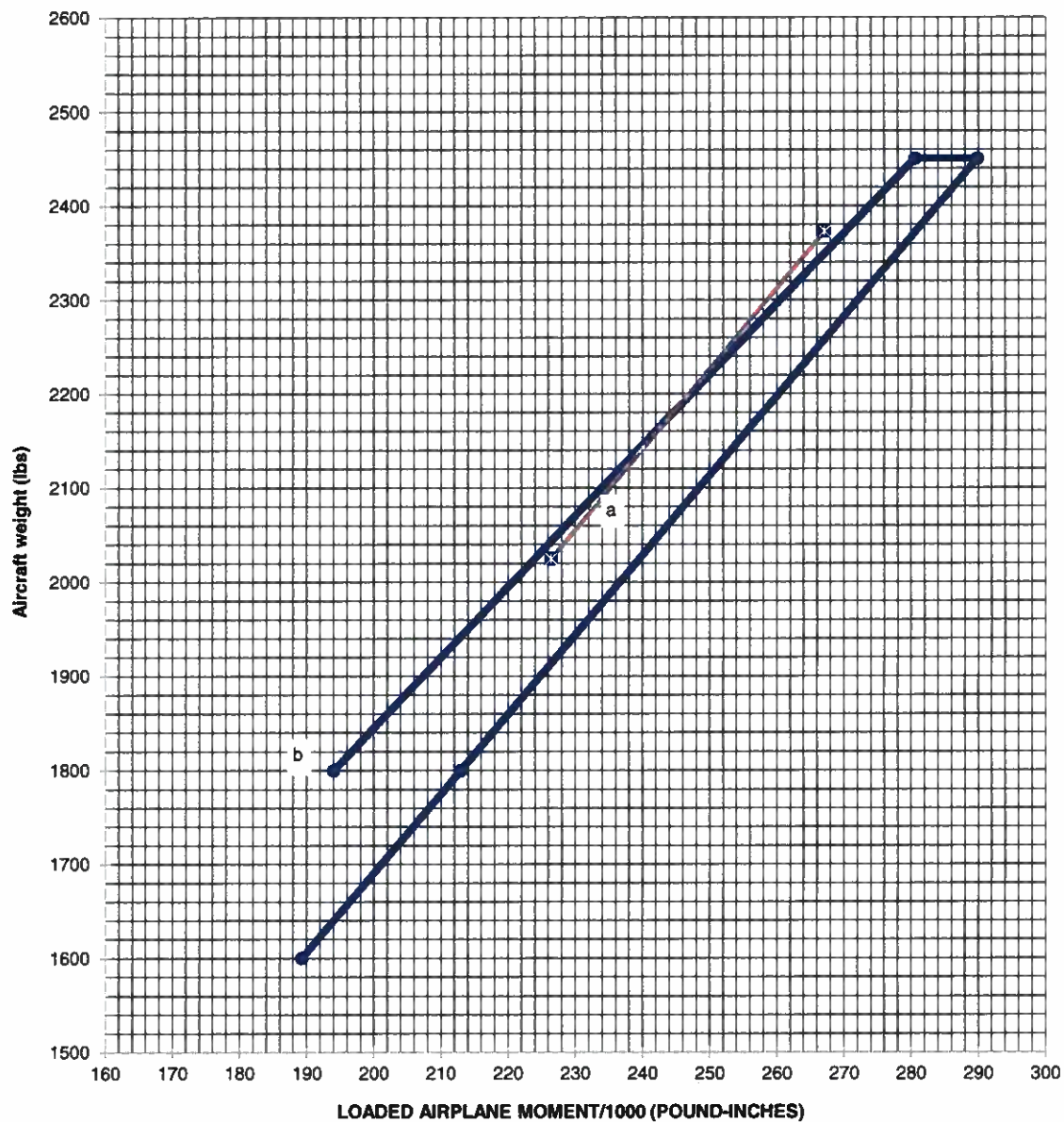
Loaded Aircraft				
	wt	arm	mom/1000	C.G.
empty wt	1521	xxx	167.3	
fuel	348	xxx	40.7	58 gallons
oil			0.0	0 quarts
Seat # 1	214	105	22.5	
Seat # 2	190	105	20.0	
Seat # 3	0		0.0	
Seat # 4	0		0.0	
Seat # 5	0		0.0	
Seat # 6	0		0.0	
Seat #7	0		0.0	
Fwd bag	0		0.0	
Aft bag	100	167	16.7	
Bag area A	0		0.0	
Bag area b	0		0.0	
Bag area C	0		0.0	
Bag area D	0		0.0	
Aft Baggage	0		0.0	
Total Wt.	2373	112.6	267.1	77 lbs.

PLOT DATA					
Envelope		Actual Data			
mom/1000	wt				
172.48	1600	267.1	2372.7	a	Loaded a/c
194	1800	226.4	2024.7	b	empty fuel
280.525	2450				
289.835	2450				
212.94	1800				
189.28	1600				

Note 1: Shaded areas require manual input

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CENTER OF GRAVITY MOMENT ENVELOPE WORKSHEET



1973 BEECH C23

ERA17FA106 (N24695)

Seat #1 Pilot Only

max gross wt 2450

useful load =

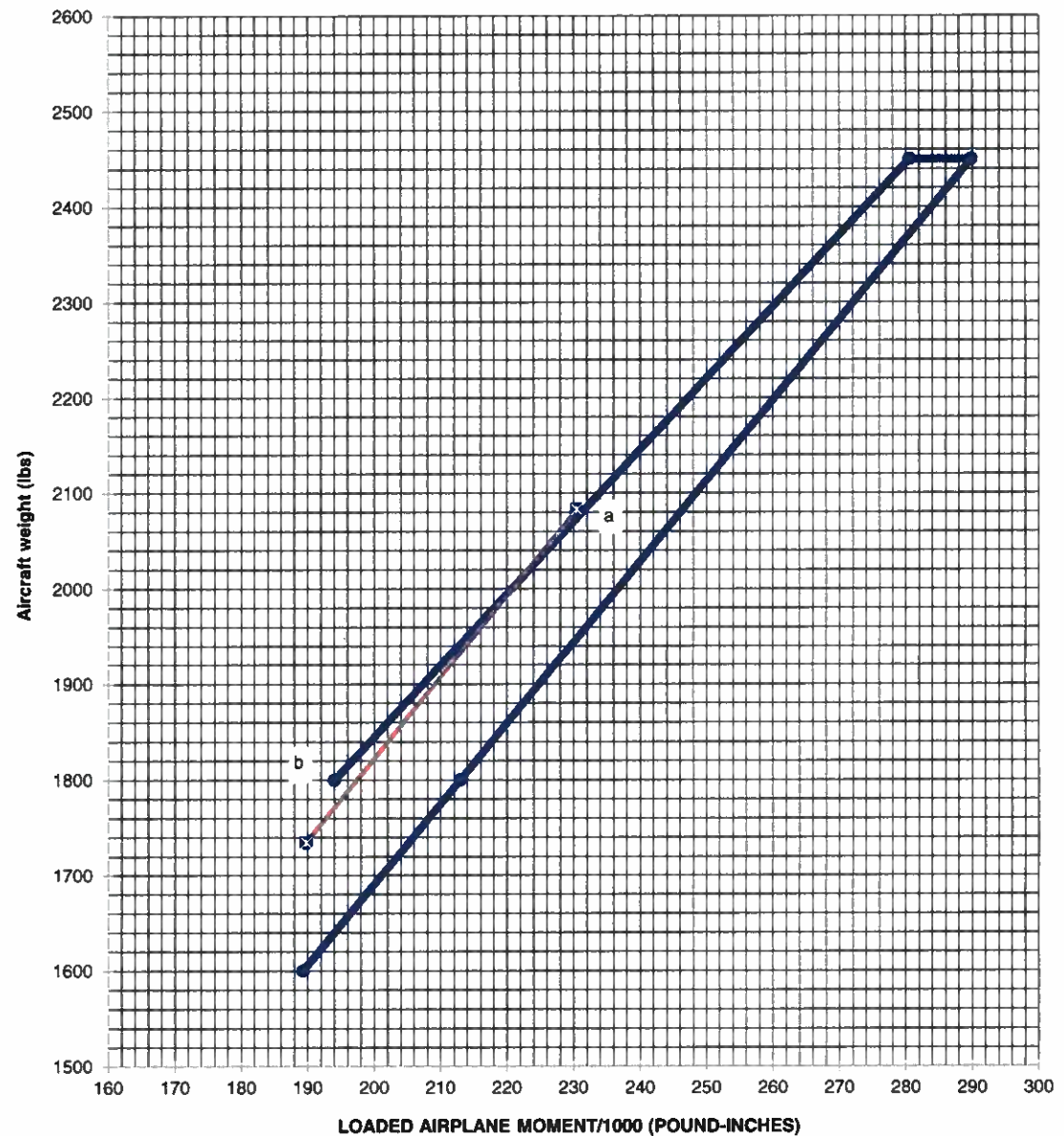
Loaded Aircraft				
	wt	arm	mom/1000	C.G.
empty wt	1521	xxx	167.3	
fuel	348	xxx	40.7	58 gallons
oil			0.0	0 quarts
Seat # 1	214	105	22.5	
Seat # 2			0.0	
Seat # 3	0		0.0	
Seat # 4	0		0.0	
Seat # 5	0		0.0	
Seat # 6	0		0.0	
Seat #7	0		0.0	
Fwd bag	0		0.0	
Aft bag	0		0.0	
Bag area A	0		0.0	
Bag area b	0		0.0	
Bag area C	0		0.0	
Bag area D	0		0.0	
Aft Baggage	0		0.0	
Total Wt.	2083	110.6	230.4	367 lbs.

PLOT DATA				
Envelope		Actual Data		
mom/1000	wt			
172.48	1600			a
194	1800	230.4	2082.7	Loaded a/c
280.525	2450	189.7	1734.7	b empty fuel
289.835	2450			
212.94	1800			
189.28	1600			

Note 1: Shaded areas require manual input

Note 2: A & b tags must be positioned manually

CENTER OF GRAVITY MOMENT ENVELOPE WORKSHEET



1973 BEECH C23

ERA17FA106 (N24695)

Seat #2 Pilot Only

max gross wt 2450

useful load =

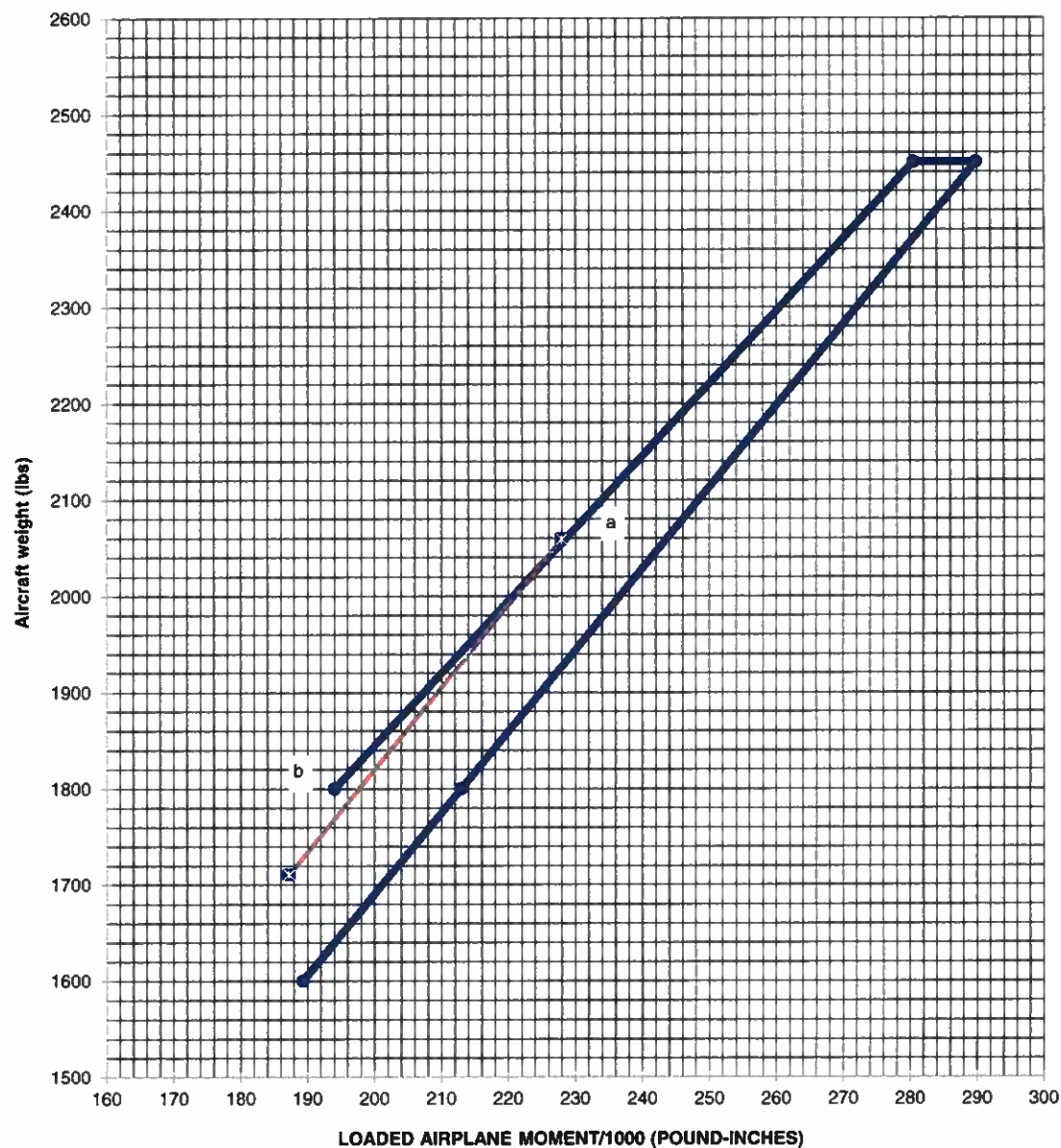
Loaded Aircraft				
	wt	arm	mom/1000	C.G.
empty wt	1521	xxx	167.3	
fuel	348	xxx	40.7	58 gallons
oil			0.0	0 quarts
Seat # 1				
Seat # 2	190	105	20.0	
Seat # 3	0		0.0	
Seat # 4	0		0.0	
Seat # 5	0		0.0	
Seat # 6	0		0.0	
Seat #7	0		0.0	
Fwd bag	0		0.0	
Aft bag	0		0.0	
Bag area A	0		0.0	
Bag area b	0		0.0	
Bag area C	0		0.0	
Bag area D	0		0.0	
Aft Baggage	0		0.0	
Total Wt.	2059	110.7	227.9	391 lbs.

PLOT DATA				
Envelope		Actual Data		
mom/1000	wt			
172.48	1600			a
194	1800	227.9	2058.7	Loaded a/c
280.525	2450	187.2	1710.7	b empty fuel
289.835	2450			
212.94	1800			
189.28	1600			

Note 1: Shaded areas require manual input

Note 2: A & b tags must be positioned manually

CENTER OF GRAVITY MOMENT ENVELOPE WORKSHEET



1973 BEECH C23
ERA17FA106 (N24695)
Both Pilots

max gross wt 2450
useful load =

Loaded Aircraft				
	wt	arm	mom/1000	C.G.
empty wt	1521	xxx	167.3	
fuel	348	xxx	40.7	58 gallons
oil			0.0	0 quarts
Seat # 1	214	105	22.5	
Seat # 2	190	105	20.0	
Seat # 3	0		0.0	
Seat # 4	0		0.0	
Seat # 5	0		0.0	
Seat # 6	0		0.0	
Seat #7	0		0.0	
Fwd bag	0		0.0	
Aft bag	0		0.0	
Bag area A	0		0.0	
Bag area b	0		0.0	
Bag area C	0		0.0	
Bag area D	0		0.0	
Aft Baggage	0		0.0	
Total Wt.	2273	110.2	250.4	177 lbs.

PLOT DATA				
Envelope		Actual Data		
mom/1000	wt			
172.48	1600		a	
194	1800	250.4	2272.7	Loaded a/c
280.525	2450	209.7	1924.7	empty fuel
289.835	2450			
212.94	1800			
189.28	1600			

Note 1: Shaded areas require manual input
Note 2: A & b tags must be positioned manually

CENTER OF GRAVITY MOMENT ENVELOPE WORKSHEET

