

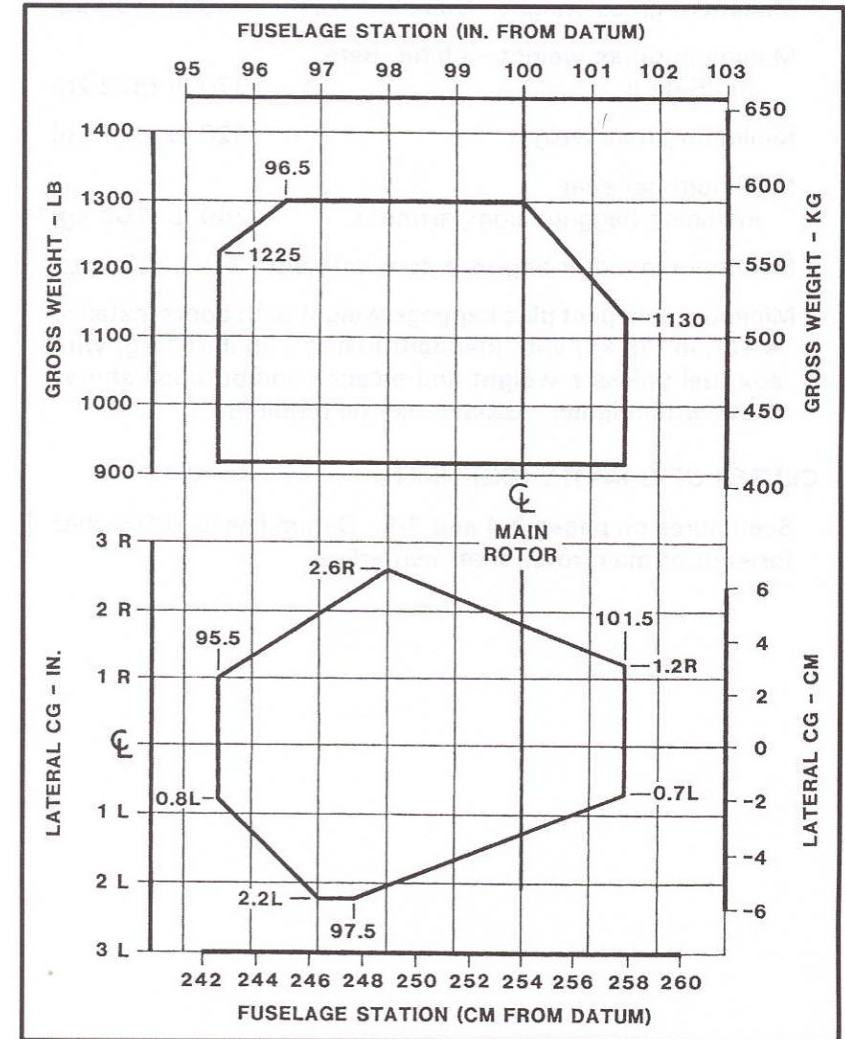


Robinson R22 Standard & HP Mass & Balance

Date: _____

Reg: _____

Item	Mass (lbs)	Longitudinal CofG (+ = front of datum)		Lateral CofG (+ = right of datum)	
		Arm (inches)	Moment (in-lb)	Arm (inches)	Moment (in-lb)
Basic Empty Mass					
Left Door*	-5.2	77.5	-403.0	-21.0	109.2
Right Door*	-5.2	77.5	-403.0	21.0	-109.2
Removable Cyclic*	-0.8	68.0	-54.4	-8.0	64.0
Removable Collective*	-1.1	80.7	-88.8	-19.5	21.5
Removable Pedals (Both)*	-0.8	46.5	-37.2	-9.5	7.6
Pilot (Max 240lb inc baggage)		78.0**		10.7	
Baggage under pilot (Max 50lb)		78.0**		10.7	
Passenger (Max 240lb inc baggage)		78.0**		-9.3	
Baggage under passenger (Max 50lb)		78.0**		-9.3	
Dry Operating Mass					
Min Dry Operating Mass	920.0				
Main fuel (6lbs / US Gallon)		108.6		-11.0	
Aux fuel (6lbs / US Gallon)					
Actual All Up Mass					
Max All Up Mass	1300.0				

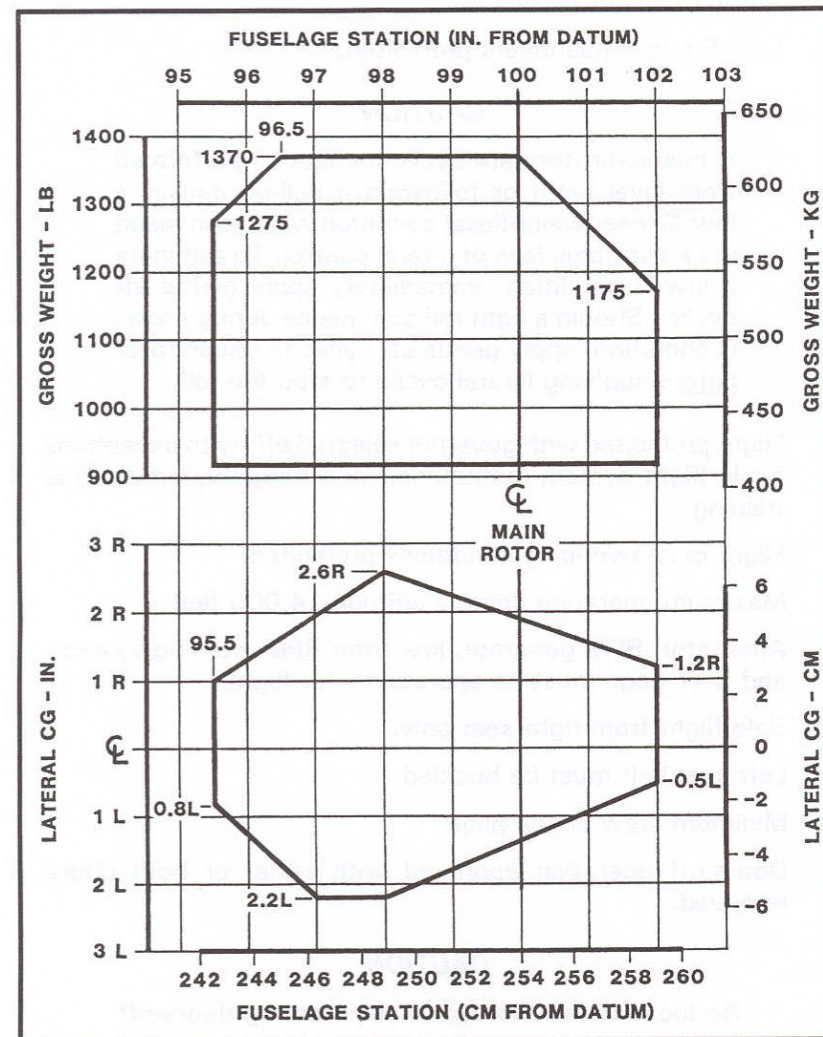




Robinson R22 Alpha, Beta & Beta II Mass & Balance

Date: _____
Reg: _____

Item	Mass (lbs)	Longitudinal CofG (+ = front of datum)		Lateral CofG (+ = right of datum)	
		Arm (inches)	Moment (in-lb)	Arm (inches)	Moment (in-lb)
Basic Empty Mass					
Left Door*	-5.2	77.5	-403.0	-21.0	109.2
Right Door*	-5.2	77.5	-403.0	21.0	-109.2
Removable Cyclic*	-0.8	68.0	-54.4	-8.0	64.0
Removable Collective*	-1.1	80.7	-88.8	-19.5	21.5
Removable Pedals (Both)*	-0.8	46.5	-37.2	-9.5	7.6
Pilot (Max 240lb inc baggage)		78.0**		10.7	
Baggage under pilot (Max 50lb)		78.0**		10.7	
Passenger (Max 240lb inc baggage)		78.0**		-9.3	
Baggage under passenger (Max 50lb)		78.0**		-9.3	
Dry Operating Mass					
Min Dry Operating Mass	920.0				
Main fuel (6lbs / US Gallon)		108.6		-11.0	
Aux fuel (6lbs / US Gallon)		103.8		11.2	
Actual All Up Mass					
Max All Up Mass	1370.0				



* Delete were applicable

** Use 79.0 for aircraft prior to S/N 0256 with early-style seats. If backrest cushion is used, subtract thickness of compressed cushion.