

N322QS Weight & Balance

Item	W, lb.
Basic Operating Weight	12346
Payload	0
FDR landing weight	15480
Fuel weight	3134

LE MAC

MAC

264.57 80.71

Item	W, lb.	Arm, in.	Moment, in*lb
Basic Operating Weight	12346	291.1290134	3594278.80
Payload	0		0.00
Fuel weight	3134	264.26	828190.84
Total	15480	285.6892532	4422469.64
% MAC =		26.17	

6.5 Weight and Balance Form

NETJETS

PHENOM 300

WEIGHT and BALANCE [Long Form]

Tail Number

322

Item	Weight (Pounds)	Moment	CG
BASIC EMPTY	11617	346450.8	
Non-Variable (Std)	722	127267.00	176.27
Adjustment (+/-)	Wt moved	Old Arm	New Arm
Adjusted Non-Var			

1 BASIC OPERATING 12346.00 3594278.8 291.1

Item Occupants	Arm	Weight (Pounds)	Moment
Seat 3	239.76		
Seat 4	239.76		
Seat 2	196.06		
Seat 1	196.06		
Seat 5	281.89		
Seat 6	281.89		
Seat L	318.11		
Fwd Baggage	39.37		
Aft Baggage	396.85		
Lav Cabinet	318.11		
Forward Closet	148.82		
Galley	142.13		

2 PAYLOAD WEIGHT

$$CG = \text{Moment} / \text{Weight} \quad \%MAC = (CG - 264.57) / 0.8071$$

Note: Rev 1 - Non-Variable Weight and Moment Change

Item	Weight (Pounds)	Moment
1 BASIC OPERATING WEIGHT	12346.00	3594278.8
2 PAYLOAD WEIGHT	0	
3 ZERO FUEL WEIGHT Add 1+2	12346.0	3594278.8
4 FUEL LOADED	5352	1475706.96

Wing

5 RAMP WEIGHT Add 3+4	17698.0	5069985.8
6 FUEL at TAKEOFF	5242	
7 TAKEOFF WEIGHT Add 3+6	17588	5035686.55

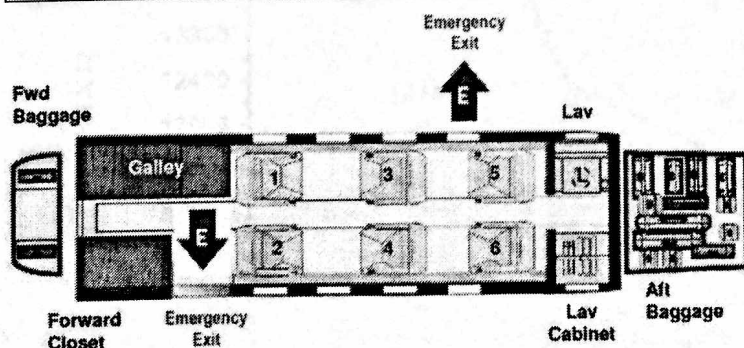
Takeoff CG %MAC 26.94

8 FUEL at LANDING	3174	838249.1
9 LANDING WEIGHT Add 3+8	15520	4432527.8 285.6

Landing CG %MAC 26.1

Max Ramp:	18497	Max Takeoff:	18387
Max ZFW:	14222	Max Landing:	17042

Pax	Max Fuel*	Weight	Moment	Weight	Moment
0	5352	1000	254940.00	4450	1202924.00
1	5132	1100	280819.00	4500	1218960.00
2	4912	1200	306732.00	4550	1233596.00
3	4692	1300	332826.00	4600	1248210.00
4	4472	1400	358932.00	4650	1262940.00
5	4252	1500	385065.00	4700	1277601.00
6	4032	1600	411296.00	4750	1292380.00
7	3812	1700	437580.00	4800	1307232.00
		1800	464040.00	4850	1321964.50
		1900	490580.00	4900	1336720.00
		2000	517240.00	4950	1351944.00
		2100	543984.00	5000	1366800.00
		2200	571010.00	5050	1382084.00
		2300	598000.00	5100	1397349.00
		2400	625152.00	5150	1412593.50
		2500	652525.00	5200	1428284.00
		2600	679848.00	5250	1443907.50
		2700	707535.00	5300	1459567.00
		2800	735112.00	5352	1475706.96
		2900	762874.00		
		3000	790740.00		
		3100	818555.00		
		3200	846688.00		
		3299	874399.95		
		3400	903108.00		
		3500	931280.00		
		3600	959652.00		
		3700	988196.00		
		3800	1016728.00		
		3900	1045395.00		
		4000	1074160.00		
		4100	1103023.00		
		4200	1131984.00		
		4300	1160656.00		
		4400	1189364.00		

*Payload vs. Avg.
T/O Weight



GENERAL DATA

The general data is intended to be used for specific weight and balance calculations and is equivalent to the information contained in the AFM Weight & Balance Section.

CENTER OF GRAVITY LIMITS

