

10.0 WEIGHT & BALANCE

Test Target: Maximum Weight, Forward CG
(5,100 lbs, 81.0")

Takeoff Condition:

	<u>Weight(lbs)</u>	<u>Arm(in.)</u>	<u>Moment</u>
Empty:	3,330	78.29	260,700
Pilots(2):	420	85.00	35,700
Passenger (1):	310	135.00	41,850
Fuel (74):	440	75.00	33,000
(62)	370	93.00	34,410
Ballast(nose):	<u>250</u>	<u>31.00</u>	<u>7,750</u>
Total:	5,120	80.75	413,410

Landing Condition:

	<u>Weight(lbs)</u>	<u>Arm(in.)</u>	<u>Moment</u>
Empty:	3,330	78.29	260,700
Pilots(2):	420	85.00	35,700
Passenger (1):	310	135.00	41,850
Fuel (65):	390	75.00	29,250
(30)	180	93.00	16,740
Ballast(nose):	<u>250</u>	<u>31.00</u>	<u>7,750</u>
Total:	4,880	80.35	391,990

