

N7412W PREFLIGHT ACTION FAR 91.103

Alt. Setting _____ OAT _____ *F/ °C Pressure Alt. _____
 Density Alt. _____ Current Winds: _____ at _____ G _____
 Runway in use: _____ Headwind Comp _____ X-wind Comp _____
 Takeoff: Ground Roll Dist. _____ 50 ft OBST Clnc Dist _____
 Rate of Climb _____ 50ft OBST Clnc Distance LANDING _____
 Landing: Ground Roll Dist. _____ NM Climb Dist. _____ NM for Descent _____
 Fuel on Board (gal.) _____ 50 max 48 usable _____ Fuel Burn Per hour _____
 Fuel Required (gal.) _____ Fuel Time on Board _____

V-SPEEDS (MPH)

TAKEOFF	LANDING	LIMITATIONS
Vr <u>60</u>	Turb Air Pen <u>129</u>	Vfe <u>115</u> (10/25/40)
Vx <u>74</u>	Vso <u>57-115</u>	Vno <u>140</u>
Vy <u>85</u>	Vs1 <u>67-140</u>	Vne <u>171</u>
VI/d <u>80</u>	Go Around <u>74-85</u>	Va <u>129</u>
Cruise Climb <u>100</u>	Max X-WIND <u>15</u>	

WEIGHT AND BALANCE

ITEM	DEPARTURE			ARRIVAL		
	WEIGHT X	ARM =	MOMENT	WEIGHT X	ARM =	MOMENT
Empty Acft	<u>1287.3</u>	<u>85.98</u>	<u>110677.54</u>			
Oil 4-8 quarts (7.5 lbs/gal.)		<u>32.5</u>		<u>32.5</u>		
Front Seats		<u>85.5</u>		<u>85.5</u>		
Aft Seats		<u>118.1</u>		<u>118.1</u>		
Baggage		<u>142.8</u>		<u>142.8</u>		
Sub-total						
Fuel		<u>95</u>		<u>95</u>		
Totals						
Max T/O Wt	<u>2400</u>					

CG Limits	<u>2400</u>	<u>2200</u>	<u>1975</u>	<u>1650</u>	Utility	<u>1950</u>	<u>1650</u>
Fore (in)	<u>92.1</u>	<u>89.2</u>	<u>85.9</u>	<u>84</u>		<u>85.8</u>	<u>84</u>
AFT (in)	<u>94.9</u>	<u>95.9</u>	<u>95.9</u>	<u>95.9</u>		<u>86.5</u>	<u>86.5</u>
Datum	<u>78.4</u>						

ATIS Info

ATIS INFO ___ Airport ___ TIME ___ WIND ___/___
 VIS ___ CLOUDS ___ @ ___ @ ___ @ ___
 TEMP DW/PT ___/___
 REMARKS/ADDITIONAL INFO:

Personal Limitations:

Total Steady wind _____
 Gust Factor _____
 X-wind component _____
 Ceilings and Vis. _____

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