

Describe results of any bench calibrations	not relevant
4.6 Were different sized models used in wind-tunnel investigation ? If so, indicate sizes	no
4.7 Areas and lengths used to form coefficients	$S = 0.7532 \text{ m}^2$ $c = 0.64607 \text{ m}$
4.8 References on tests	ref. 4,
4.9 Related reports	ref. 6,
<u>Instrumentation</u>	
5.1 Surface pressure measurements	
Pressure orifices in wing. Location and number on upper and lower surfaces	271 pressure orifices divided in 7 sections (y/b = 0.20/0.44/0.65/0.80/0.90/0.96 and 0.99) see also figure B1-1 and table B1-2
Pressure orifices on fuselage. Location and number	not relevant
Pressure orifices on components, give components and orifice location	not relevant
5.1.4 Geometry of orifices	$\phi$ 0.8 mm
Type of pressure transducer and scanning devices used. Indicate range and accuracy	6 transducers CEC 4312 ( $\pm 12.5$ PSID - Accuracy : $\pm 0.012$ PSI) 6 scanivalves (type D)
5.2 Force measurements	
5.2.1 Type and location of balance	wall dynamometric 5 components balance " $\phi$ 120 mm"
5.2.2 Forces and moments that can be measured. Maximum loads and accuracy	axial force : $12000 \pm 12$ N normal force : $65000 \pm 65$ N rolling moment : $8000 \pm 8$ mN pitching moment : $2500 \pm 2.5$ mN yawing moment : $1400 \pm 1.4$ mN
Forces and moments on components	not relevant
5.3 Boundary layer and flow-field measurements	none
5.4 Surface flow visualization	
Indicate method used to determine streamline pattern	by means of fluid paints
- boundary-layer transition	by sublimation
5.4.2 Accuracy of method	qualitative methods
5.5 Skin friction measurements	none
5.6 Simulation of exhaust jet	not relevant
5.7 Additional remarks	there is strain gauge, kulite and accelerometer instrumentation for buffeting analysis
6. <u>Data</u>	
6.1 Accuracy	
6.1.1 Pressure coefficients	at $Mo = 0.84$ ; $\Delta C_p = \pm 0.02$
6.1.2 Aerodynamic coefficients	at $Mo = 0.84$ : $\Delta C_X = \pm 0.002$ , $\Delta C_L = \pm 0.002$ $\Delta C_Z = \pm 0.009$ $\Delta C_m = \pm 0.0006$ $\Delta C_n = \pm 0.0003$