

A Garage Wind Tunnel

George Seyfang
December 2016

An early garage-based Wind Tunnel



Working Section + Fan.....joined with a Flexible Bag



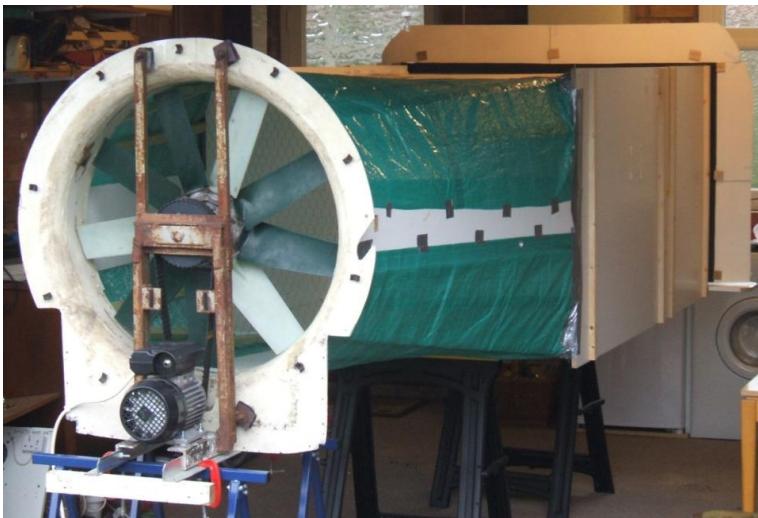
600mm dia. 250 watt fan

800mm x 400mm test section

6 m/sec airflow (suck-through)

Lift, drag, stability & control tests

Current Garage Wind Tunnel



Multi-blade Fan + 2000 watt Motor
'suck-through' for low turbulence

Alternative working sections up to
1200mm x 600mm.

Typical speeds ~ 10m/s

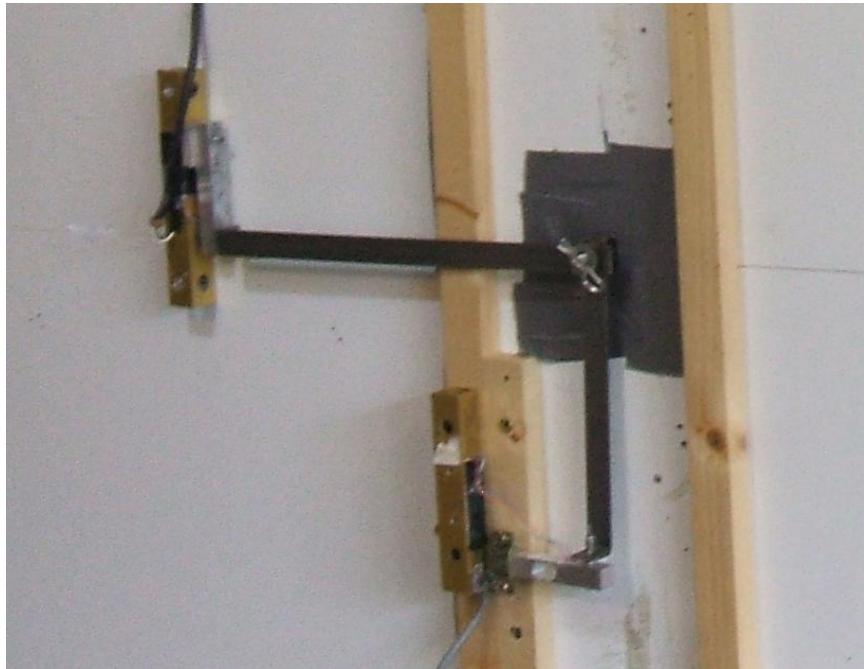
Low-cost instrumentation



Low-cost Instrumentation



1-axis forces



2-axis forces via load-cells
from digital kitchen scales



Airspeed

Some ‘Hobby – Projects’



Some ‘Hobby Project’ Testing

