





Description:

Test Section - 12-foot diameter octagon, closed throat

Power - 570 horsepower

Speed - 60 miles per hour

Pressure - Atmospheric

Purpose of Equipment:

To study the problems associated with dynamic stability and control by flying scale models under controlled conditions.

Research Projects:

- a) To evaluate the effects of various design configurations on the stability and control characteristics of airplanes.
- b) To develop means for obtaining adequate stability and control on new types of airplanes.
- c) To evaluate and improve the handling characteristics of new military airplanes of unconventional design.

Illustrations:

- I. Model of the P-63 airplane with a "V" tail in flight.
- 2. Model of airplane having propellers behind the tail surface.
- 3. Model of a tailless patrol airplane in flight.
- 4. Model of tailless patrol mounted on force-test support in the tunnel.







