

AEDC User Test Facilities
(Nominal Values)
Trisonics/Aerodynamics

| | Test Section Size | | Total Temperature, °R | Speed Range | Pressure Altitude (Nominal), ft | Dynamic Pressure, psf | Reynolds No./ft (x10 ⁶) | Primary Use |
|-----------------------------------|-------------------|------------|-----------------------|------------------|---------------------------------|-----------------------|-------------------------------------|-----------------|
| | Cross Section, ft | Length, ft | | | | | | |
| Propulsion Wind Tunnel 16T | 16 x 16 | 40 | 540 to 600 | Mach 0.06 to 1.6 | Sea Level to 90,000 | 2 to 1,100 | 0.2 to 6.0 | (1) (2) (4) |
| Propulsion Wind Tunnel 16S | 16 x 16 | 40 | 580 to 1,080 | Mach 1.5 to 4.75 | 45,000 to 155,000 | 25 to 550 | 0.1 to 2.4 | (1) (2) (3) (4) |
| Aerodynamic Wind Tunnel 4T | 4 x 4 | 12.5 | 540 to 600 | Mach 0.2 to 2.0 | Sea Level to 65,000 | 20 to 1,400 | 2.0 to 7.0 | (1) (4) |

Use Legend:

- (1) Aerodynamic Models
- (2) Aerothermodynamic Models
- (3) Combined Aerodynamic Inlet and Propulsion System Tests
- (4) Store/Stage/Separation