

**AEDC User Test Facilities**  
**(Nominal Values)**  
**Hypersonics/Aerodynamics**

	<b>Test Section Size, in.</b>	<b>Total Pressure, psia</b>	<b>Total Temperature, °R</b>	<b>Speed Range</b>	<b>Pressure Altitude, ft</b>	<b>Dynamic Pressure, psf</b>	<b>Reynolds No./ft (x10<sup>6</sup>)</b>	<b>Primary Use</b>
<b>Supersonic Wind Tunnel A</b>	40 x 40	1.5 to 200	530 to 750	Mach 1.5 to 5.5	16,000 to 151,000	53 to 1,780	0.3 to 9.2	(1) (2) (4)
<b>Hypersonic Wind Tunnel B</b>	50 diam	20 to 900	700 to 1,350	Mach 6 and 8	98,000 to 180,000	43 to 590	0.3 to 4.7	(1) (2) (4)
<b>Hypersonic Wind Tunnel C</b>	50 diam	200 to 1,900	1,650 to 1,950	Mach 10	132,000 to 188,000	43 to 430	0.3 to 2.4	(1) (2) (4)
<b>Aerothermal Wind Tunnel C</b>	25 diam Free Jet	200 to 2,000	1,220 to 1,900	Mach 8	95,000 to 149,000	132 to 1,322	0.7 to 7.8	(1) (2) (3)
	25 diam Free Jet	20 to 180	720 to 1,660	Mach 4	56,000 to 105,000	231 to 1,928	0.2 to 8.1	(1) (2) (3)

**Use Legend:**

- (1) Aerodynamic Models
- (2) Aerothermodynamic Models
- (3) Ablative and Erosive Materials
- (4) Store/Stage/Separation