

Model Number : VE-8

Model Name :

Model Type: Fighter

With the development of a Hispano 300-hp engine, Vought immediately designed a new airplane around this engine, the VE-8. In 1918, as World War I ended, the U.S. Army Air Service (USAS) ordered four of these airplanes. This single-seat fighter appeared to have been greatly influenced by the French Spad. Nurtured from previous design, the VE-8 was a more powerful fighter version of the VE-7. Being overweight, it suffered from poor performance and stability. To carry the added weight of the bigger engine, the nose structure and landing gear were built structurally stronger. The top wing was very close to the fuselage and the center section was filled with a wooden fairing.



Test pilot reports were unfavorable, observing that this model was sluggish on the controls, tail-heavy, and directionally unstable. Lt. Harold Harris, USAS, believed that the joining of the fuselage to the upper wing caused much of the instability. Four VE-8s were ordered by the USAS, but records show that only two were built; one for static and one for flight tests.

Dimensions	
Wingspan	31.00 ft
Overall Length	21.33 ft
Height	8.67 ft
Weights and Capacities	
Empty Weight	1764 lb
Gross Weight	2657 lb
Useful Load	
Fuel Capacity	65 gal
Oil Capacity	9.3 gal
Powerplant Characteristics	
Type: Hispano-Suiza	
Rating	338 hp @1810rpm @SL
Displacement	1121 in ³
Weight (lb/kg)	632 lb
Size (length X diameter)	
Performance	
Maximum Speed, Sea Level	140 mph

Landing Speed, Sea Level	
Stall Speed, Sea Level	64 mph
Initial Rate-of-Climb	1090 ft/min
Cruise Speed, Sea Level	
Range at Cruise Speed	
Service Ceiling	18400 ft
Absolute Ceiling	29250 ft
Crew: 1	
Armament:	



VE-8 FIGHTER ARMY 0001-0002-02-0001-1918



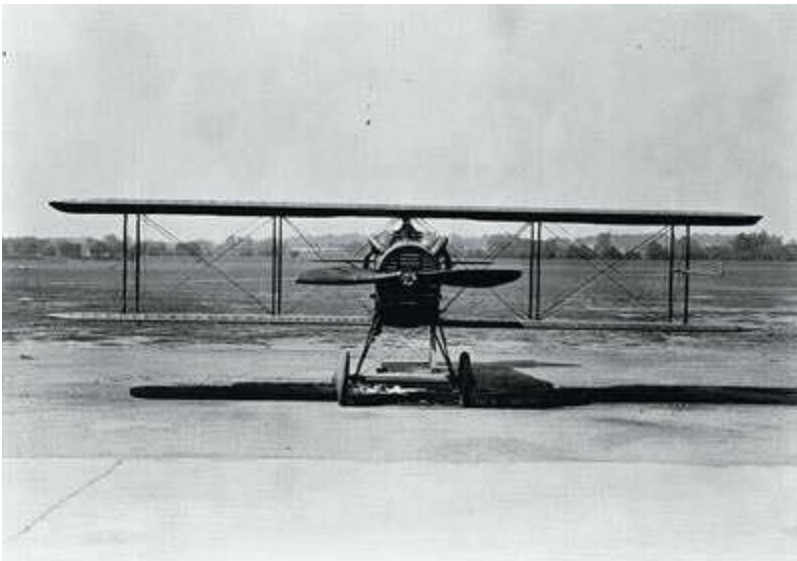
VE-8 300 H.P. Hispano USAS 1918 0001-0002-02-0005-1918



VE-8 FIGHTER ARMY 0001-0002-02-0004-1918



VE-8 FIGHTER ARMY 0001-0002-02-0002-1918



VE-8 FIGHTER ARMY 0001-0002-02-0003-1918



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