Miltech Simulations-Microsoft C-17 Globemaster III

Performance Characteristics

Note
Please note that the publicly known performance figures for the C17 Globemaster are limited due to the fact that the aircraft is in active military service. Specific performance figures are unavailable.

Wingspan to Winglet Tip	169.8 ft (51.74 m)
Length	174 ft (53.04 m)
Height at Tail	55.1 ft (16.79 m)
Fuselage Diameter	22.5 ft (6.86 m)
Number of Engines	Four (4)
Engine Type	F117-PW-100
Thrust per Engine	40,440 lbs Each
Area	3,800 sq. ft. (353 sq. m)
Aspect Ratio	7.165
Sweep Angle	25 degrees
Airfoil Type	Supercritical
Flaps	Fixed-vane, double-slotted, simple-hinged
Area	845 sq. ft. (78.50 sq. m)
Span	65 feet (19.81 m)
Aspect Ratio	5.0
Sweep	27 degrees
Maximum Zero Fuel Weight (MZFW)	282,500 lb (128,140 kg)
Max Takeoff Weight (MTOW)	585,000 lb (265,352 kg)
Max Landing Weight, Full Flaps	502,100 lb (227,748 kg)
Fuel Capacity	35,546 US gal
Capacity	170,900 lb (77,519 kg)
Capacity, in Pallets	18 463L Master Pallets
Capacity, in Troops	134 Troops, seated

Wingspan to Winglet Tip	169.8 ft (51.74 m)
Capacity, in Paratroopers	102 Paratroopers, seated
Capacity, in Vehicles	One heavy tank, or Three Armored Vehicles, or 10 HWMVVs
Capacity, in Aircraft	One CH47 Helicopter Fuselage, or two H60 Helicopter Fuselages
Cruise Speed	450 kn (Mach 0.74-0.79)
Range	2,420 nmi with 157,000 lb payload
Ferry Range	6,230 nmi
Service Ceiling	45,000 ft
Takeoff Run at MTOW	8,200 ft
Takeoff Run at 395,000 lbs	3,000 ft
Landing Distance	3,500 ft