

F-4E Phantom					Taken from page 806 of Text Book				
Dimensions					https://aerospaceweb.org/aircraft/fighter/f4/				
Length	63 ft	19.2 m			https://www.aerotime.aero/articles/f4-phantom-history-and-notable-features				
Wingspan	38.62 ft	11.77 m							
Height	16.46 ft	5.02 m							
Wing Area (ft^2),(m^2)	530 ft^2	49.2							
Weights									
Empty (Lb,Kg,N)	30328	13757	134956.17						
Normal Takeoff (Lb,Kg,N)	41490	18818	184604.58						
Max Takeoff (Lb,Kg,N)	61795 lb	28030	274974.3						
Fuel Comacity (internal L),	7022 L	5070 L	7.002						
May Payload	16000 lb	7257 kg							
Propulsion									
Power Plan	two GE J79-17A turbojets								
Thrust (lb/kN)	35800	159.2							
Max Thrust (Klbf/KW)	17.8	79.3							
Thrust -to- Weight Ratio	0.86 loaded	0.58 MTOW							
SFC at max (lbm/hlbf) / (Kg	1.965 lbm	0.56	55.66						
Airflow	170 lb/s	77.1 kg/s							
OPR	13.5								
TIT	1210 F	655							
Performance									
Max Level Speed	1430 mph	2300 km/h	M=2.17	at 36000 ft					
	905 mph	1450 km/h	M=1.19	at sea level					
Initial Climb Rate	28,000 ft	8535 m/min							
Service Ceiling	58750 ft	17,905m							
Range	1720 km	3,185km							
Service Ceiling	18000 m	60000 ft							
Rate of Climb	210 m/s	41300 ft/min							
Cruising Altitude (km)	11	The max level speed above is based on an altitude of 10.9 km. I rounded to 11 in order to use table A2							