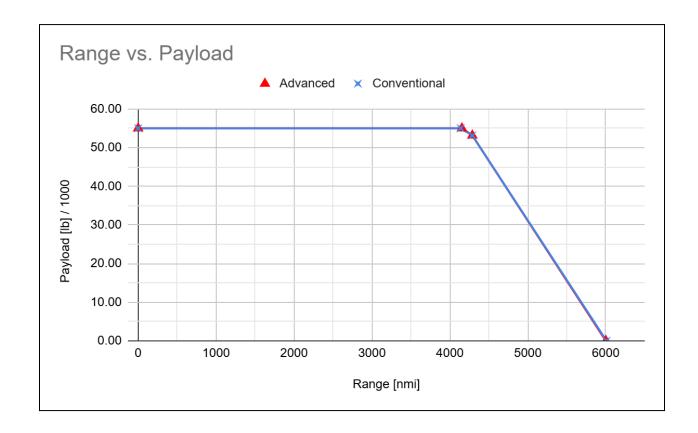
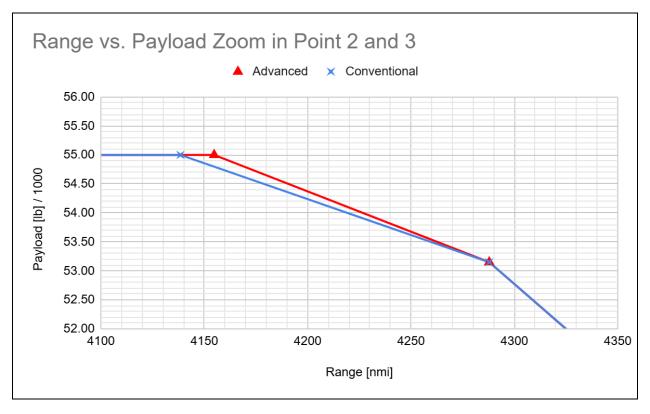
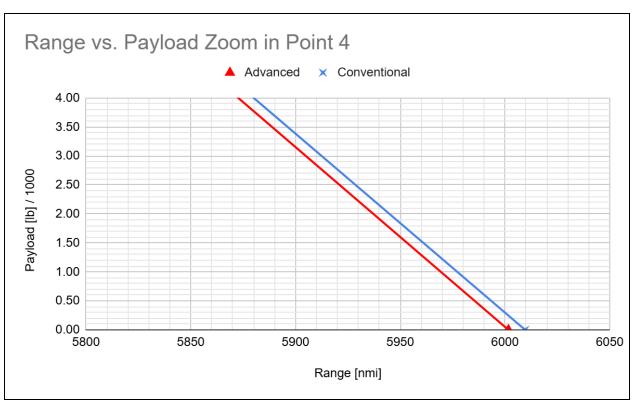
Wingspan [ft] 123.02 122.40 MAC [ft] 16.57 16.48 Planform Area [ft^2] 1,891.67 1,872.76 Airfoil Type Supercritical Supercritical Aspect Ratio (AR) 8 8 Swept Angle (°) 30 30 FUSELAGE Length [ft] 165.78 165.78 Diameter [ft] 14 14 Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60		Conventional	Advanced	
Mac	WINC	Conventionar	Advanced	
MAC [ft] 16.57 16.48 Planform Area [ft^2] 1,891.67 1,872.76 Airfoil Type Supercritical Supercritical Aspect Ratio (AR) 8 8 Swept Angle (°) 30 30 FUSELAGE Length [ft] 165.78 165.78 Diameter [ft] 14 14 Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60		122.02	122.40	
Planform Area [ft^2] 1,891.67 1,872.76 Airfoil Type Supercritical Supercritical Aspect Ratio (AR) 8 8 Swept Angle (°) 30 30 FUSELAGE Length [ft] 165.78 165.78 Diameter [ft] 14 14 Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60				
Airfoil Type Aspect Ratio (AR) Swept Angle (°) Supercritical Supercriteal Supercriteal Supercriteal Supercriteal Supercriteal Supercriteal Supercr				
Aspect Ratio (AR) 8 8 Swept Angle (°) 30 30 FUSELAGE Length [ft] 165.78 165.78 Diameter [ft] 14 14 Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	. ,		, i	
Swept Angle (°) 30		_	1	
FUSELAGE Length [ft]	Aspect Ratio (AR)			
Length [ft] 165.78 165.78 165.78 14 14 14 14 14 14 14 1	Swept Angle (°)	30	30	
Length [ft] 165.78 165.78 165.78 14 14 14 14 14 14 14 1				
Diameter [ft] 14 14 Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	FUSELAGE			
Seats Abreast 6 6 MATERIAL Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Length [ft]	165.78	165.78	
MATERIAL Wing Aluminum Composite Fuselage Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Diameter [ft]	14	14	
Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Seats Abreast	6	6	
Wing Aluminum Composite Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60				
Fuselage Aluminum Composite Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	MATERIAL			
Nacelle + Pylon Aluminum Composite Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Wing	Aluminum	Composite	
Tail Aluminum Composite Fixed Equipment Aluminum Composite WEIGHT Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Fuselage	Aluminum	Composite	
Fixed Equipment Aluminum Composite WEIGHT Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Nacelle + Pylon	Aluminum	Composite	
WEIGHT Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Tail	Aluminum	Composite	
Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Fixed Equipment	Aluminum	Composite	
Wing Weight [lb] 20,515.00 14,328.33 Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60				
Fuselage [lb] 2,433.92 2,067.92 Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	WEIGHT			
Tail Weight [lb] 4,035.30 1,972.87 Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Wing Weight [lb]	20,515.00	14,328.33	
Fixed Equipment Weight [lb] 37,805.00 36,997.09 Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Fuselage [lb]	2,433.92	2,067.92	
Fuel Weight [lb] 70,106.07 69,974.62 ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Tail Weight [lb]	4,035.30	1,972.87	
ENGINES Flat Plate Drag Area [ft^2] 30.77 30.60	Fixed Equipment Weight [lb]	37,805.00	36,997.09	
Flat Plate Drag Area [ft^2] 30.77 30.60	Fuel Weight [lb]	70,106.07	69,974.62	
Flat Plate Drag Area [ft^2] 30.77 30.60				
	ENGINES			
Engine Type JT9D JT9D	Flat Plate Drag Area [ft^2]	30.77	30.60	
	Engine Type	JT9D	JT9D	

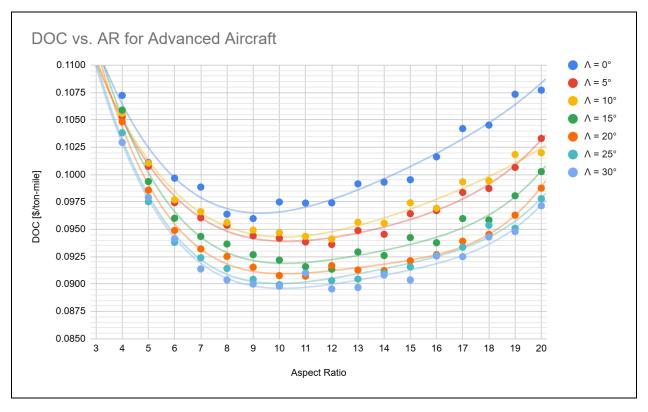
Number of Engines	2	2
Max Thrust per Engine [lb]	43,857.47	44,154.67
Takeoff Gross Weight [lb]	227,000.00	226,574.37
All-out Range NM	4,045.84	4,045.84
DOC [\$/ton-mile]	0.09	0.09
SFC	0.62	0.56
Powerplant Weight [lb]	24,501.38	26,951.52

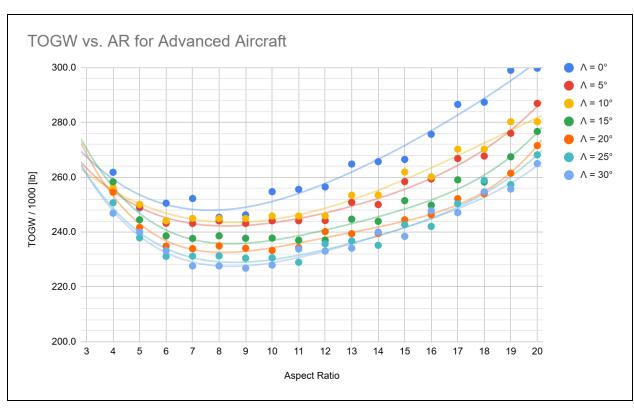






ADVANCED AIRCRAFT





CONVENTIONAL AIRCRAFT

