

Douglas DC-2 / C-32A

Country: USA

Service Entry Date: 1936

A/C Type: Transport
 Engine(s): Two Wright SGR-1820F-52
 Eng. Pwr: 760 hp, air-cooled, Non-F.I.
 A/C Crew: Pilot, Copilot

Maximum Speed: 210 mph at 11,500 ft
 Maximum Ceiling: 22,450 ft.

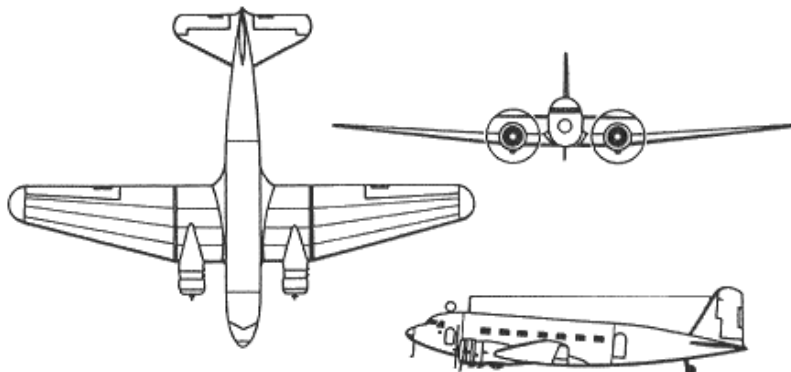
Defense factor: 6 Size Modifier: +1
 Damage Factor: 9/14 Endurance: 165
 Cockpit View: Fair Blind Area: Rear, Low

Protection: Cockpit +0 Fuel +0 Engine +0

Climb Dece/ Dive Accel: 3.0 / 1.0

Weight and Load Limit: 600 / 5-8

Wpn Stations	Weight	Allowed Loads
1,2,3,4 (bomber)	100 lbs	50/100 lb bomb
	600 lb	cargo or 16 pass.



Class: M

Victory Points: 3-6

AIRCRAFT PERFORMANCE CHART

Altitude Levels		Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(3)	Min HT(4)	Min BT(-)	Min ET(-)	Altitude Levels		Average Rate of Climb
Levels	Bands								Levels	Bands	
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	--	--	--	--	--	--	--	37-42	EH	--
31-36	VH	--	--	--	--	--	--	--	31-36	VH	--
25-30	HI	--	--	--	--	--	--	--	25-30	HI	--
19-24	MH	2.0	3.5	7.0	3.0	4.5	--	--	19-24	MH	300
13-18	ML	2.0	4.0	7.0	2.5	4.0	--	--	13-18	ML	600
7-12	LO	2.0	4.0	6.5	2.0	3.0	--	--	7-12	LO	800
1-6	VL	1.5	4.0	6.0	2.0	3.0	--	--	1-6	VL	1,000

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals

GUN ATTACK FACTORS

Range	N1	W1	W2	Total
0				
1				
2				
3				
4				
5				
6				
7				

WEAPON STATION LOCATION



1,2,3,4

POWER VERSUS SPEED CHART

(per engine)

Levels	Bands	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0+	Band
43+	UH	--	--	--	--	UH
37-42	EH	--	--	--	--	EH
31-36	VH	--	--	--	--	VH
25-30	HI	--	--	--	--	HI
19-24	MH	0.5	--	--	--	MH
13-18	ML	1.0	--	--	--	ML
7-12	LO	1.5	--	--	--	LO
1-6	VL	1.5	--	--	--	VL
Banking FPs		3	4	6	--	
Side Slip FPs		4	5	7	--	

NOTES AND VARIANTS

Douglas DC-2: Available 1934. First in a series of very successful transport/civilian airliners. Military designation C-32A (in svc 1936). Twin-engine, all-metal, low-mounted monoplane, the DC-2 carried a good cargo load a long distance. Known for being tough and reliable, DC-2s were sold all over the world in the mid-to-late 1930s. 138 built; 24 in USAAC; 21 in RAF.

C-33: Military cargo version with larger rudder, larger cargo door, reinforced floor. 18 built.

C-34: Military troop transport version of the passenger airliner: 2 built.

Bomber variant: Several nations pushed the DC-2 into a role as a bomber (Finland fielded two during the Winter War).

Douglas C-47A Dakota

Country: USA

Service Entry Date: April ,1941

A/C Type: Transport
 Engine(s): Two P&W R-1830 radials
 Eng. Pwr: 2220-2950 hp, air-cooled
 A/C Crew: Pilot, Copilot, Navigator/Radio-Op

Maximum Speed: 230 mph at sea level
 Maximum Ceiling: 24,000 ft.

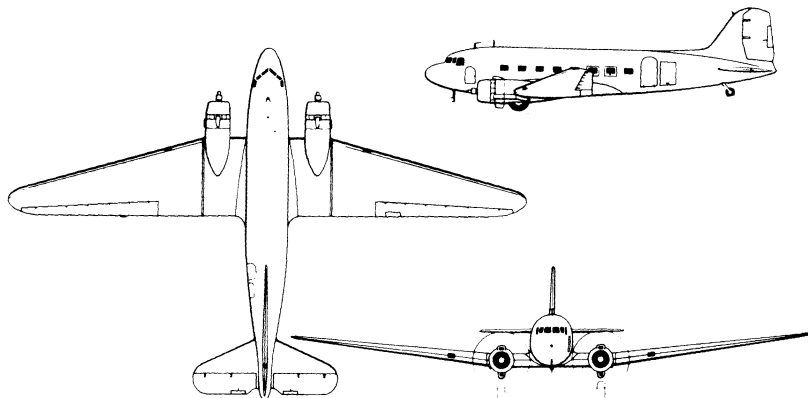
Defense factor: 6 Size Modifier: +1
 Damage Factor: 10/15 Endurance: 385
 Cockpit View: Fair Blind Area: Rear

Protection: Cockpit +0 Fuel +0 Engine +0

Climb Dece/ Dive Accel: 2.0 / 1.0

Weight and Load Limit: 10,000 / 8-12

Wpn Stations	Weight	Allowed Loads
cargo bay	10,000	10,000 lbs cargo or 28 troops



Class: M

Victory Points: 4-8

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Bands	Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(3)	Min HT(4)	Min BT(-)	Min ET(-)	Altitude Levels	Bands	Average Rate of Climb
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	--	--	--	--	--	--	--	37-42	EH	--
31-36	VH	--	--	--	--	--	--	--	31-36	VH	--
25-30	HI	--	--	--	--	--	--	--	25-30	HI	--
19-24	MH	2.0	4.0	7.5	3.5	4.5	--	--	19-24	MH	400
13-18	ML	1.5	4.0	7.5	3.0	4.0	--	--	13-18	ML	600
7-12	LO	1.5	4.5	7.5	2.5	3.0	--	--	7-12	LO	800
1-6	VL	1.5	4.5	7.0	2.0	2.5	--	--	1-6	VL	1,000

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
LG	One 7.62mm Type 92 MG	3x3	4
RG	One 7.62mm Type 92 MG	3x3	4

GUN ATTACK FACTORS

Range	LG	RG
0	3	3
1	2	2
2	1	1
3	1	1
4	1	1
5	1	1
6	-	-
7	-	-

WEAPON STATION LOCATION

POWER VERSUS SPEED CHART

(per engine)

Levels	Bands	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0+	Band
43+	UH	--	--	--	--	UH
37-42	EH	--	--	--	--	EH
31-36	VH	--	--	--	--	VH
25-30	HI	--	--	--	--	HI
19-24	MH	1.0	--	--	--	MH
13-18	ML	1.5	--	--	--	ML
7-12	LO	2.0	--	--	--	LO
1-6	VL	2.0	--	--	--	VL
Banking FPs		3	4	6	--	
Side Slip FPs		4	5	7	--	

NOTES AND VARIANTS

Douglas C-47: The ubiquitous allied transport, the C-47 was the military version of the civilian DC-3. It flew in all theatres in all conditions, delivering cargo, paratroops and towing gliders. Used postwar during the Berlin Airlift. Rigged by the Egyptians (1948 Arab-Israeli War) as a bomber. More than 10,000 built.

Li-2: Russian-built license version. 4860 built, some fitted with skis.

L2D: Japanese license versions. 487 built. Later L2D4 armed with:

LG: Left Rear arc, Level

RG: Right Rear arc, Level

Loading: 500 lbs cargo or 2 troops = 1 load point.

Lockheed Electra 10E

A/C Type: Light Transport
 Engine(s): Two Wright R-1820-77
 Eng. Pwr: 870-hp, air-cooled, nonF.I.
 A/C Crew: Pilot, (Navigator for long flights)

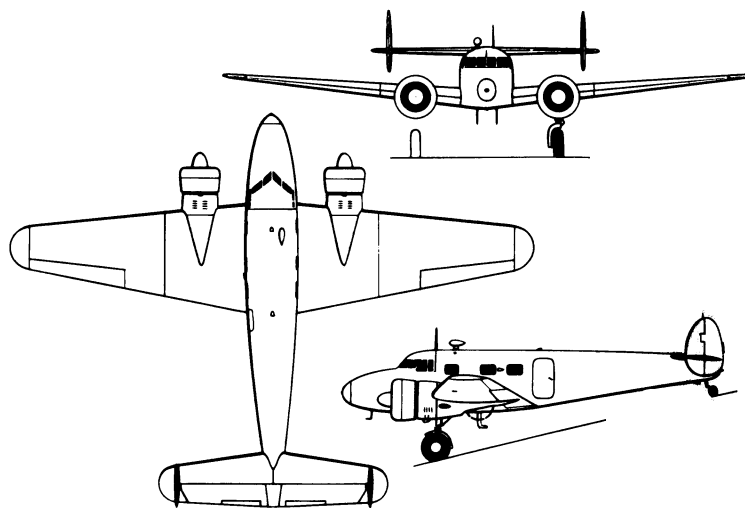
Maximum Speed: 201 mph at 8,700 ft.
 Maximum Ceiling: 21,600 / 17,500 / 12,000 ft.
 Defense factor: 6 Size Modifier: +0
 Damage Factor: 8/12 Endurance: 250
 Cockpit View: Fair Blind Area: Rear

Protection: Cockpit +0 Fuel +0 Engine +0
 Climb Dece/ Dive Accel: 3.0 / 1.0
 Weight and Load Limit: 2000 / 2-4

<u>Wpn Stations</u>	<u>Weight</u>	<u>Allowed Loads</u>
1 Cargo bay	2,000 lbs	2,000 lbs cargo or 6 passengers

Country: USA

Service Entry Date: March, 1936



Class: G

Victory Points: 3-5

AIRCRAFT PERFORMANCE CHART

Altitude		Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(2)	Min HT(3)	Min BT(4)	Min ET(-)	Altitude		Average Rate of Climb
Levels	Bands								Levels	Bands	
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	--	--	--	--	--	--	--	37-42	EH	--
31-36	VH	--	--	--	--	--	--	--	31-36	VH	--
25-30	HI	--	--	--	--	--	--	--	25-30	HI	--
19-24	MH	2.0	3.5	7.0	3.5	4.5	5.5	6.5	19-24	MH	500
13-18	ML	1.5	3.5	7.0	3.0	4.0	5.0	6.0	13-18	ML	800
7-12	LO	1.5	4.0	7.0	2.5	3.5	4.5	5.5	7-12	LO	1,100
1-6	VL	1.5	4.0	6.5	2.5	3.0	4.0	5.0	1-6	VL	1,100

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals

GUN ATTACK FACTORS

Range

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7

WEAPON STATION LOCATION

POWER VERSUS SPEED CHART

Levels	Bands	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0+	Band
43+	UH	--	--	--	--	UH
37-42	EH	--	--	--	--	EH
31-36	VH	--	--	--	--	VH
25-30	HI	--	--	--	--	HI
19-24	MH	1.0	--	--	--	MH
13-18	ML	1.5	--	--	--	ML
7-12	LO	2.0	--	--	--	LO
1-6	VL	2.0	--	--	--	VL
Banking FPs		3	4	6	--	
Side Slip FPs		4	5	7	--	

NOTES AND VARIANTS

Lockheed Electra 10E: A light transport developed for light passenger duties. Amelia Earhart's plane was a modified 10E. Was Amelia Earhart jumped by Japanese fighters? Doubtful, but you can consider her chances of escape...

Electra 10Es were also used by the RAF to surreptitiously photo recon sensitive targets in Germany and the Soviet Union (Baku oil region). During the war, impressed Electra 10s 12s and 14s were used as VIP transports.

Loading: 500 lbs cargo or 2 passengers = 1 load point.

Curtiss C-46A Commando

A/C Type: Heavy Transport
 Engine(s): Two P&W R-2800-75 radials
 Eng. Pwr: 4000-hp, air-cooled
 A/C Crew: Pilot, Copilot, Load Master

Maximum Speed: 270 mph at 10,000 ft
 Maximum Ceiling: 27,600 / 22,500 / 15,000 ft.

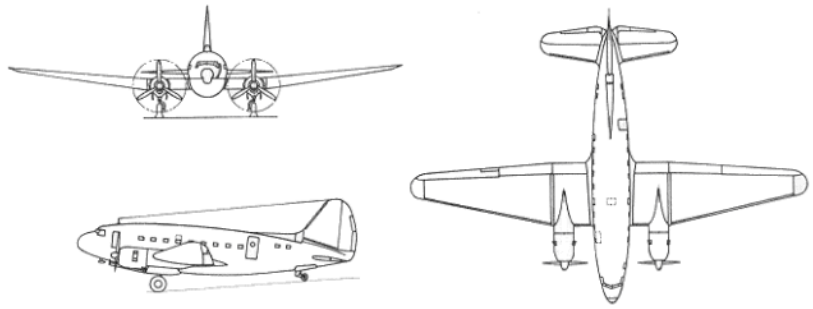
Defense factor: 7 Size Modifier: +2
 Damage Factor: 18/24 Endurance: 275
 Cockpit View: Fair Blind Area: Rear

Protection: Cockpit +0 Fuel +0 Engine +0
 Climb Dece/ Dive Accel: 2.0 / 1.0
 Weight and Load Limit: 10,000 / 12-18

<u>Wpn Stations</u>	<u>Weight</u>	<u>Allowed Loads</u>
1 Cargo bay	10,000	10,000 lbs cargo or 50 troops or spare fuel

Country: USA

Service Entry Date: May 1943



Class: H

Victory Points: 6-12

AIRCRAFT PERFORMANCE CHART

Altitude		Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(4)	Min HT(5)	Min BT(-)	Min ET(-)	Altitude		Average Rate of Climb
Levels	Bands								Levels	Bands	
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	--	--	--	--	--	--	--	37-42	EH	--
31-36	VH	--	--	--	--	--	--	--	31-36	VH	--
25-30	HI	2.5	4.5	8.5	4.5	5.5	--	--	25-30	HI	300
19-24	MH	2.5	5.0	8.5	4.0	5.5	--	--	19-24	MH	600
13-18	ML	2.0	5.0	8.5	3.5	4.5	--	--	13-18	ML	1,000
7-12	LO	2.0	5.5	8.0	3.0	4.0	--	--	7-12	LO	1,300
1-6	VL	2.0	5.0	7.0	3.0	4.0	--	--	1-6	VL	1,300

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
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GUN ATTACK FACTORS

Range

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7

WEAPON STATION LOCATION

none

POWER VERSUS SPEED CHART

(per engine)

Levels	Bands	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0+	Band
43+	UH	--	--	--	--	UH
37-42	EH	--	--	--	--	EH
31-36	VH	--	--	--	--	VH
25-30	HI	0.5	--	--	--	HI
19-24	MH	1.0	0.5	--	--	MH
13-18	ML	1.5	0.5	--	--	ML
7-12	LO	1.5	0.5	--	--	LO
1-6	VL	1.5	0.5	--	--	VL
Banking FPs		4	6	--	--	
Side Slip FPs		5	7	--	--	

NOTES AND VARIANTS

Curtiss C-46A Commando: Heavy transport used mostly in the Pacific and the CBI Theatre as troop and cargo transport. Mostly used to fly the Hump into China. 160 built for USMC (as R5C) and supported island hopping campaign starting in Dec-43. Used as glider tug in Europe in 1945 (Wesel airborne assault). Pressurized. 3180 built.

Loading: 500 lbs cargo or 2 troops = 1 load point.

Additional Fuel: The Commando could carry additional fuel tanks in the cargo bay. For every 50 End used, subtract .5 load.

Int Add FT: Wgt: 1600 lbs **Ld:** 4.0/1.0 **End:** 335