

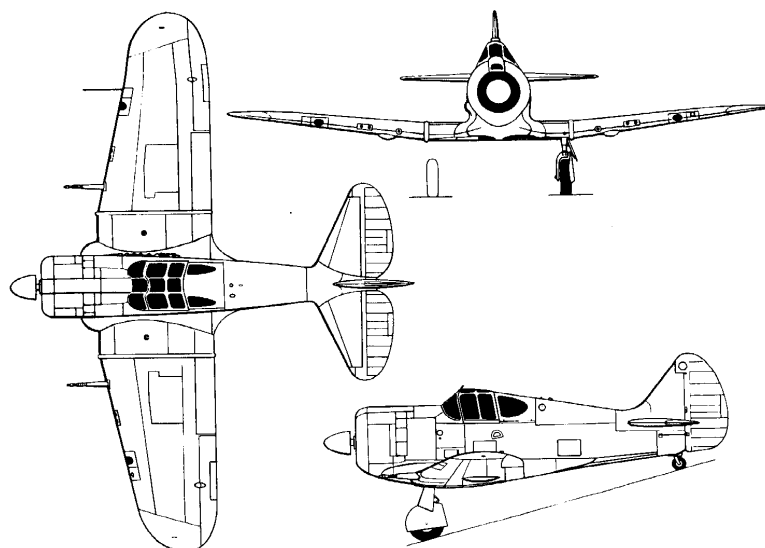
Commonwealth CA-12

A/C Type: Day Fighter
 Engine(s): Wright R-1830-S3C4 radial
 Eng. Pwr: 1000-1200 hp, air-cooled
 A/C Crew: Pilot

Maximum Speed: 296 mph at 7,600
 Maximum Ceiling: 29,000 / 22,500
 Defense factor: 5 Size Modifier: +0
 Damage Factor: 8/12 Endurance: 290
 Cockpit View: Good Blind Area: Rear
 Protection: Cockpit +1 Fuel +1 Engine +1
 Climb Dece/ Dive Accel: 3.0 / 1.0
 Weight and Load Limit: 500/ 2.0
 Wpn Stations Weight Allowed Loads
 1 500 1x 500lb bomb

Country: Australia

Service Entry Date: August, 1942



Class: F

Victory Points: 4-8

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Bands	Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(4)	Min HT(5)	Min BT(6)	Min ET(7)	Altitude Levels	Bands	Average Rate of Climb
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	--	--	--	--	--	--	--	37-42	EH	--
31-36	VH	--	--	--	--	--	--	--	31-36	VH	--fx
25-30	HI	2.5	5.0	9.0	4.0	5.5	6.5	7.5	25-30	HI	300
19-24	MH	2.0	5.5	9.5	3.5	5.0	6.0	7.0	19-24	MH	800
13-18	ML	2.0	6.0	9.5	3.5	4.5	5.5	6.5	13-18	ML	1300
7-12	LO	1.5	6.0	9.5	3.0	4.0	5.0	6.0	7-12	LO	1800
1-6	VL	1.5	5.5	8.5	3.0	4.0	5.0	6.0	1-6	VL	2200

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1	2x 20mm Hisp. Suiza	3	2
W1	2x .303 mg	10	4
W2	2x .303 mg	10	4

GUN ATTACK FACTORS

Range	N1	W1	W2	Total
0	45	12	12	69
1	30	8	8	46
2	20	5	5	30
3	13	3	3	19
4	9	2	2	13
5	6	1	1	8
6	4	--	--	4
7	--	--	--	--

WEAPON STATION LOCATION

1

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	1	1	--	--	HI
19-24	MH	1	1	--	--	MH
13-18	ML	3	1	--	--	ML
7-12	LO	5	3	--	--	LO
1-6	VL	5	3	--	--	VL
Banking FPs		3	4	5	7	
Side Slip FPs		3	5	7	9	

NOTES AND VARIANTS

CA-12 Bommerang: Built in Australia using parts available for existing Wirraway trainer. Slow, sluggish, but tough, they were built as a stop-gap to defend against a threatened Japanese invasion until more capable fighters were available, then used for ground attack. About 250 built.

Weapon station 1 available after June 1943.

Commonwealth CA-1

A/C Type: Trainer / Lighter Bomber
 Engine(s): P&W S1H1-G Wasp radial
 Eng. Pwr: 600 hp, air-cooled
 A/C Crew: Pilot, Gunner

Maximum Speed: 221 mph at 8,600
 Maximum Ceiling: 22,900 / 18,000
 Defense factor: 5 Size Modifier: +0
 Damage Factor: 7/10 Endurance: 290
 Cockpit View: Good Blind Area: Rear

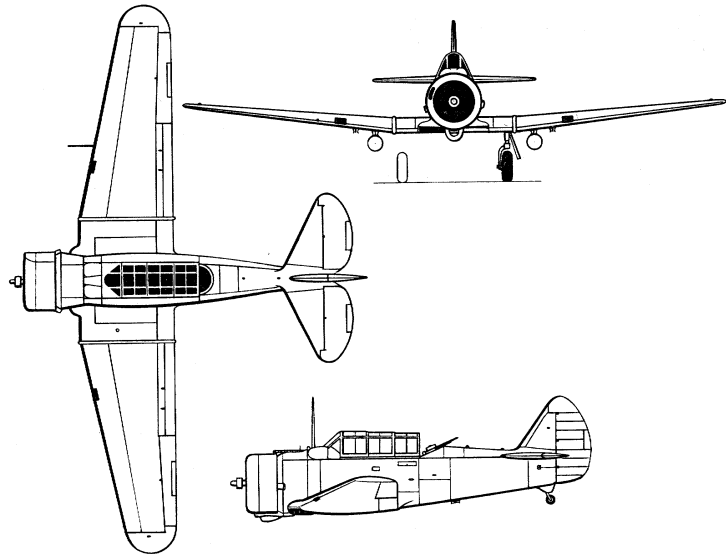
Protection: Cockpit +0 Fuel +0 Engine +0

Climb Dece/ Dive Accel: 3.0 / 1.0
 Weight and Load Limit: 500 / 2-4

Wpn Stations	Weight	Allowed Loads
1, 4	250	1x 250lb bomb
2, 3 (CA-16 only)	500	1x 500lb bomb

Country: Australia

Service Entry Date: June, 1940



Class: L

Victory Points: 4-8

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Bands	Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(2)	Min HT(3)	Min BT(3)	Min ET(4)	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	3.5	7.0	3.5	4.5	5.5	6.5	19-24	MH	600
13-18	ML	1.5	4.0	7.5	3.0	4.0	5.0	6.0	13-18	ML	1000
7-12	LO	1.5	4.5	7.5	2.5	3.5	4.5	5.5	7-12	LO	1400
1-6	VL	1.5	4.0	7.0	2.0	3.0	4.0	5.0	1-6	VL	1900

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1	2x .303 cal Vickers Mk V	9	4
DG	1x .303 cal Vickers Mk I	3x3	4

GUN ATTACK FACTORS

Range	N1	DG
0	11	4
1	8	3
2	6	2
3	4	1
4	3	1
5	2	1
6	--	--
7	--	--

WEAPON STATION LOCATION

12

34

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	--	--	--	MH
13-18	ML	3	--	--	--	ML
7-12	LO	4	--	--	--	LO
1-6	VL	4	--	--	--	VL
Banking FPs		2	3	4	--	
Side Slip FPs		3	4	6	--	

NOTES AND VARIANTS

CA-1 Wirraway: Trainer developed from North American AT-6 trainer in 1939. Pressed into service as a recon & light bomber in December, 1941. It fought rearguard in Rabaul and Malaya. It flew recon over New Guinea late 1942 - mid-43 (when it was replaced by the Boomerang, which was no longer needed as a fighter). 620 built (in 7 blocks as CA-1, 3, 5, 7-9). Ring-&-bead gunsight.

CA-16 Wirraway: Available 1943. Wirraway built as single-crew dive bomber. However, by the time it was available, dive-bomber was on the way out as a concept, and better aircraft were available. No guns. Bombload increased to to 1500 - use stations 2 & 3. 135 built.

Commonwealth CA-15

Country: Australia

Service Entry Date: 1946

A/C Type: Day Fighter
 Engine(s): Rolls-Royce Griffon 61 radial
 Eng. Pwr: 2035-hp, air-cooled
 A/C Crew: Pilot

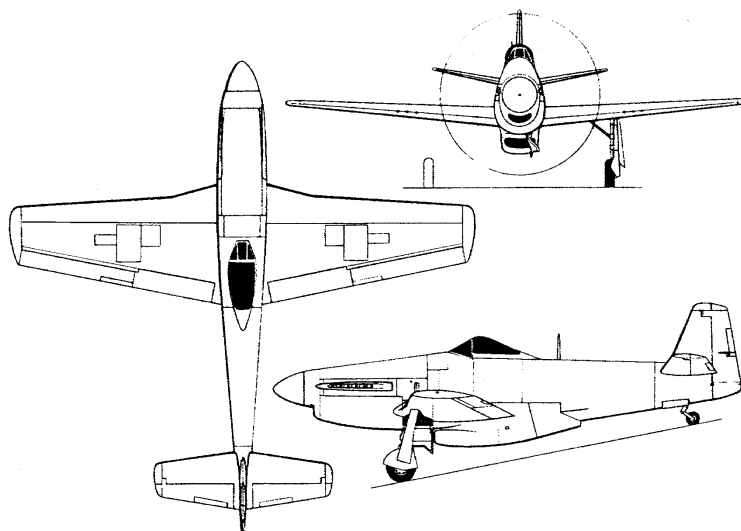
Maximum Speed: 450 mph
 Maximum Ceiling: 38,900

Defense factor: 5 Size Modifier: +0
 Damage Factor: 10/15 Endurance: 205
 Cockpit View: Good Blind Area: Rear

Protection: Cockpit +2 Fuel +2 Engine +1

Climb Dece/ Dive Accel: 3.0 / 1.0
 Weight and Load Limit: 2,000 / 3-7

Wpn Stations	Weight	Allowed Loads
1, 2	1000	1x 500lb or 1000lb bomb



Class: F

Victory Points: 6-10

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Bands	Minimum Speed	Maximum Speed	Maximum Dive Spd	Min TT(5)	Min HT(6)	Min BT(7)	Min ET(8)	Altitude Levels	Bands	Average Rate of Climb
43+	UH	--	--	--	--	--	--	--	43+	UH	--
37-42	EH	3.5	8.0	11.5	5.0	7.0	8.0	9.0	37-42	EH	3,600
31-36	VH	3.0	8.5	11.5	4.5	6.5	7.5	8.5	31-36	VH	4,300
25-30	HI	2.5	9.0	11.5	4.0	5.5	7.0	8.0	25-30	HI	4,900
19-24	MH	2.0	9.0	11.5	3.5	5.5	6.5	7.5	19-24	MH	4,500
13-18	ML	2.0	8.5	11.5	3.5	5.0	6.0	7.0	13-18	ML	4,300
7-12	LO	1.5	8.0	10.5	3.0	4.5	5.5	6.5	7-12	LO	3,900
1-6	VL	1.5	7.5	10.0	3.0	4.5	5.5	6.5	1-6	VL	3,600

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
W1	1x .50 cal M2 mg	9	3
W2	2x .50 cal M2 mg	9	3
W3	2x .50 cal M2 mg	9	3
W4	1x .50 cal M2 mg	9	3

GUN ATTACK FACTORS

Range	W1	W2	W3	W4	Total
0	9	18	18	9	54
1	7	13	13	7	40
2	4	9	9	4	26
3	3	6	6	3	18
4	2	4	4	2	12
5	1	3	3	1	8
6	1	2	2	1	6
7	--	--	--	--	--

WEAPON STATION LOCATION

1

2

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	3/4	1/2	1/-	--	EH
31-36	VH	5/6	3/4	1/2	--	VH
25-30	HI	7/9	5/6	3/4	--	HI
19-24	MH	7/9	5/6	3/4	--	MH
13-18	ML	8/10	6/7	4/5	--	ML
7-12	LO	8/10	6/7	4/5	--	LO
1-6	VL	8/10	6/7	4/5	--	VL
Banking FPs		3	4	5	7	
Side Slip FPs		3	5	7	9	

NOTES AND VARIANTS

CA-15: An excellent fighter resembling the P-51D Mustang. Developed after the end of the war. However, by then, jets were the acknowledged future of military aircraft, so after desultory flight testing that dragged on until 1950, the CA-15 was not put into production. Included here as a "what if" aircraft.