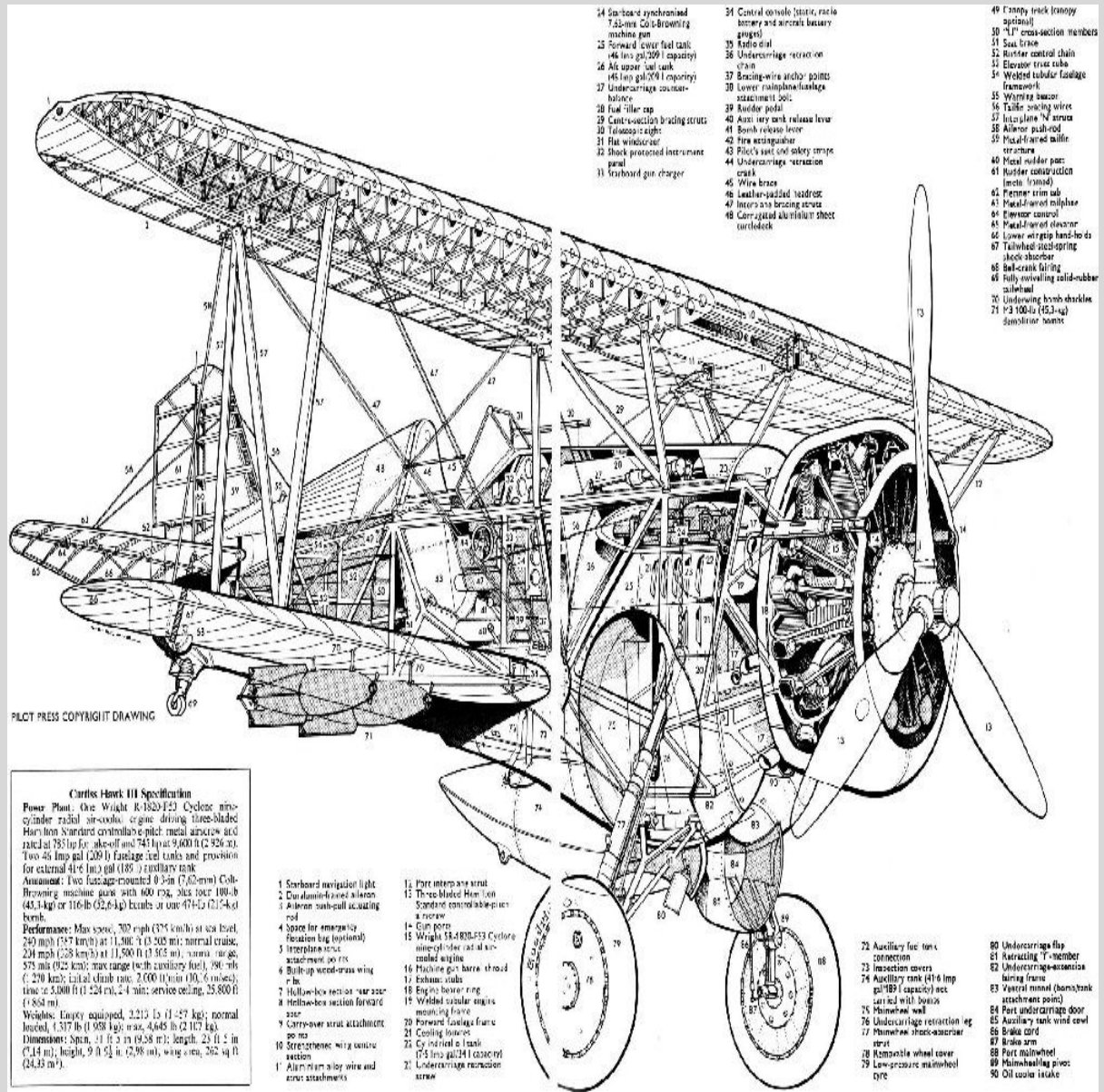


Nom de l'avion : Curtiss BF2C-1 Goshawk

Type d'avion : Bombardier en piqué biplan monomoteur monoplace



PILOT PRESS COPYRIGHT DRAWING

Curtiss Hawk III Specification
Power Plant: One Wright R-1820-123 Cyclone nine-cylinder 24-cylinder air-cooled engine driving three-bladed Hamilton Standard constant-speed propeller metal propeller and pitch at 235 hp for take-off and 743 hp at 9,600 ft (2,926 m). Two 45 imp gal (169 l) fuelage fuel tanks and provision for external 41.6 imp gal (189 l) auxiliary tank.
Armament: Two fuselage-mounted 0.5-in (12.7-mm) Colt-Browning machine guns with 600 rps, 300, 100, 100-lb (45.3, 45.3 or 116-lb (52.6, 52.6) lbs) loads of one 47.4-lb (21.5-kg) bomb.
Performance: Max speed, 302 mph (375 km/h) at sea level, 249 mph (321 km/h) at 11,500 ft (3,502 m); normal cruise, 234 mph (298 km/h) at 11,500 ft (3,502 m); service ceiling, 375 m (1,230 ft); max range (with auxiliary fuel), 190 mi (307 km); stall climb rate, 2,000 ft/min (610 m/min); time to 5,000 ft (1,524 m), 2.4 min; service ceiling, 25,800 ft (7,864 m).
Weights: Empty equipped, 2,212 lb (1,007 kg); normal loaded, 4,317 lb (1,958 kg); max, 4,645 lb (2,107 kg).
Dimensions: Span, 31 ft 2 in (9.58 m); length, 23 ft 2 in (7.14 m); height, 9 ft 9 in (2.98 m); wing area, 362 sq ft (33.5 m²).

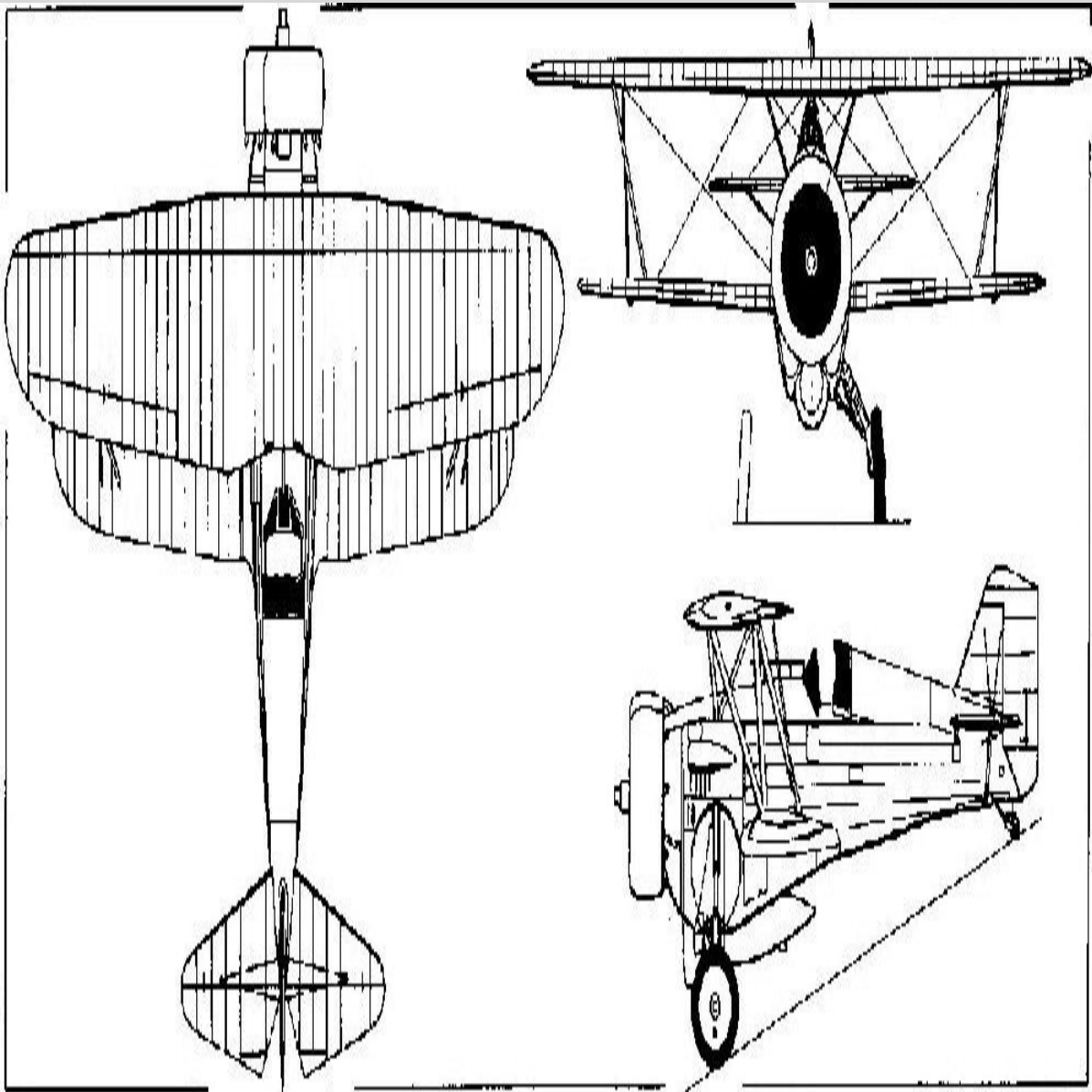
- | | | | |
|--|---|--|---|
| 1 Starboard navigation light | 11 Port inter-axle strut | 31 Central console (static, radio battery and aircraft battery engine) | 49 Empty tank (empty optional) |
| 2 Dual aluminum alloy aileron | 12 Three-bladed Hamilton Standard control propeller | 32 Undercarriage retraction system | 50 "T" cross-section members |
| 3 Aileron main-cable actuating rod | 13 Gun ports | 33 Undercarriage retraction span | 51 Fuel tank |
| 4 Space for emergency flotation bag (optional) | 14 Wright SR-480B-53 Cyclone nine-cylinder radial air-cooled engine | 34 Bracing-wire attach points | 52 Roster control chain |
| 5 Interplane strut attachment point | 15 Engine base ring | 35 Lower mainplane-luggage attachment bolt | 53 Elevator trim tabs |
| 6 Built-up wood-steel wing ribs | 16 Forward fuselage frame | 36 Fuel filler cap | 54 Welded tubular fuselage framework |
| 7 Hollow-box section rear axle | 17 Cooling fan | 37 Bomb release lever | 55 Wing brace |
| 8 Hollow-box section forward axle | 18 Cylindrical oil tank (7.5 imp gal/34 l capacity) | 38 Anti-ice tank release lever | 56 Tailfeet control wires |
| 9 Carry-over strut attachment points | 19 Undercarriage retraction screw | 39 Flat window | 57 Inspection "V" areas |
| 10 Stretched wire sensor section | 20 Undercarriage retraction track | 40 Pilot's seat and safety straps | 58 Aileron push-rod |
| 11 Alarm horn siren wire and cone attachments | 21 Low-pressure mainwheel tyre | 41 Undercarriage retraction crank | 59 Main fuselage tailfeet structure |
| | | 42 Main undercarriage door | 60 Fuselage contraction (metal formed) |
| | | 43 Fuselage contraction (metal formed) | 61 Fuselage contraction (metal formed) |
| | | 44 Lower wing grip hand-holds | 62 Fuselage contraction (metal formed) |
| | | 45 Tailwheel steel-spring shock absorber | 63 Fuselage contraction (metal formed) |
| | | 46 Ball-crank fitting | 64 Fuselage contraction (metal formed) |
| | | 47 Fully-insulating cold-rubber tailfeet | 65 Fuselage contraction (metal formed) |
| | | 48 Underwing bomb shackles | 66 Fuselage contraction (metal formed) |
| | | 49 P-3 100-lb (45.3-kg) demolition bomb | 67 Fuselage contraction (metal formed) |
| | | | 68 Fuselage contraction (metal formed) |
| | | | 69 Fuselage contraction (metal formed) |
| | | | 70 Fuselage contraction (metal formed) |
| | | | 71 P-3 100-lb (45.3-kg) demolition bomb |

MOTORISATION

Wright Cyclone R-1820-04

Moteur de 12 cylindres en V inversé refroidi par liquide

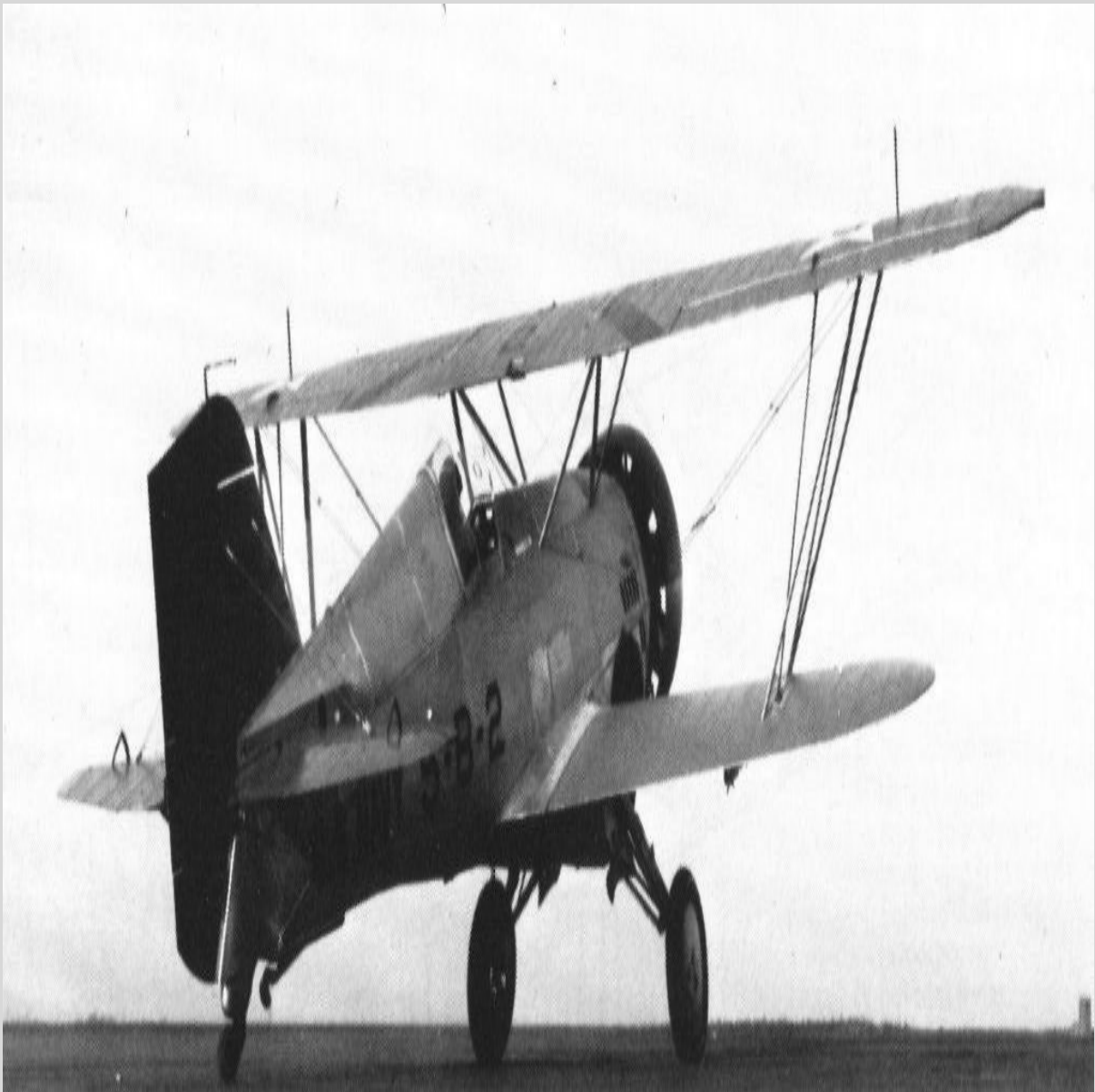
Puissance développée: 1050 ch au décollage, 1100 ch à 3700 m et 2950 ch



ARMEMENT

2 mitrailleuses Browning de 7,6 mm fixes avant

1 bombe de 225 kg ou 4 bombes de 50 kg



PERFORMANCES

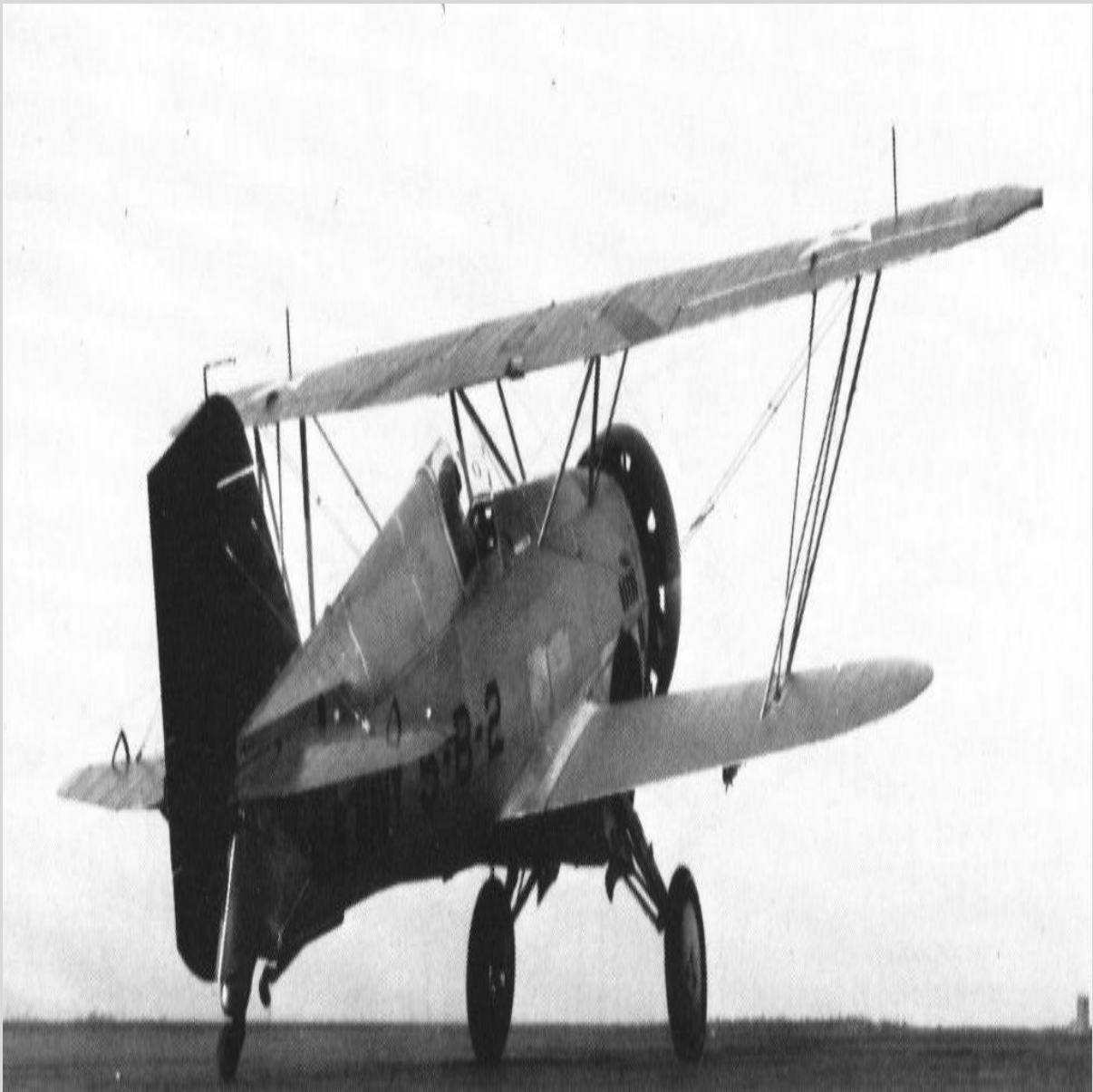
Vitesse maximale= 360 - 460 km/h

Vitesse croisière= 255 km/h

Vitesse ascension= 655 m/mn

Plafond pratique= 8230 m

Rayon action= 1120 - 1280 km

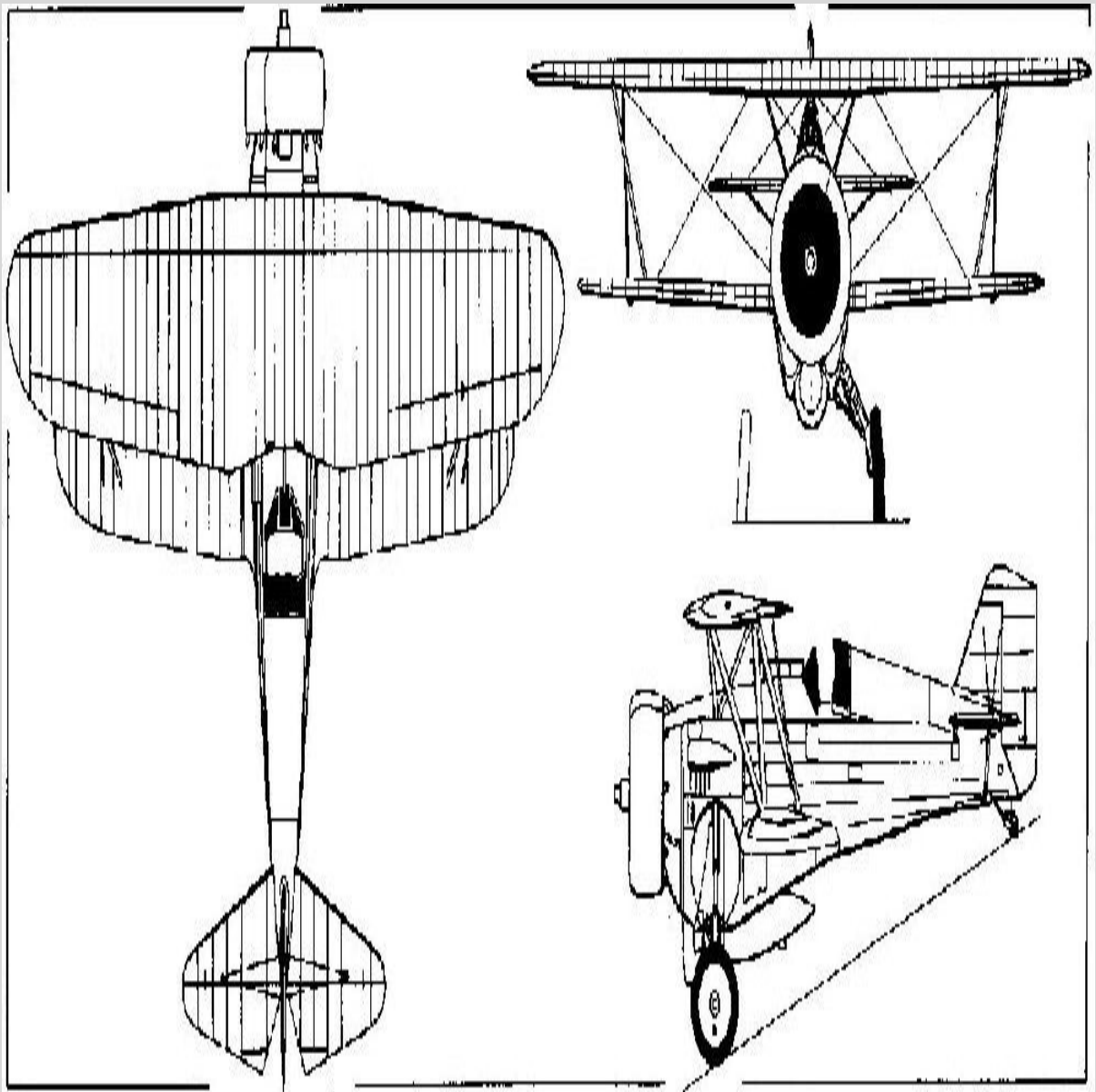


DIMENSIONS

Envergure	Longueur	Hauteur	Surface alaire
9,60 m	7,15 m	3,05 m	24,35 m ²

MASSES

Vide	Charge	Maximale
1510 kg	2065 kg	2305 kg



Sitographie

Site Cyber Aéro breton = <http://cyber.breton.pagesperso-orange.fr/index.htm>

Site Cyber Aéro breton du pays = <http://cyber.breton.pagesperso-orange.fr/usa/usa.htm>



Site Cyber Aéro breton de l'avion = http://cyber.breton.pagesperso-orange.fr/usa/bf2c_1.htm

