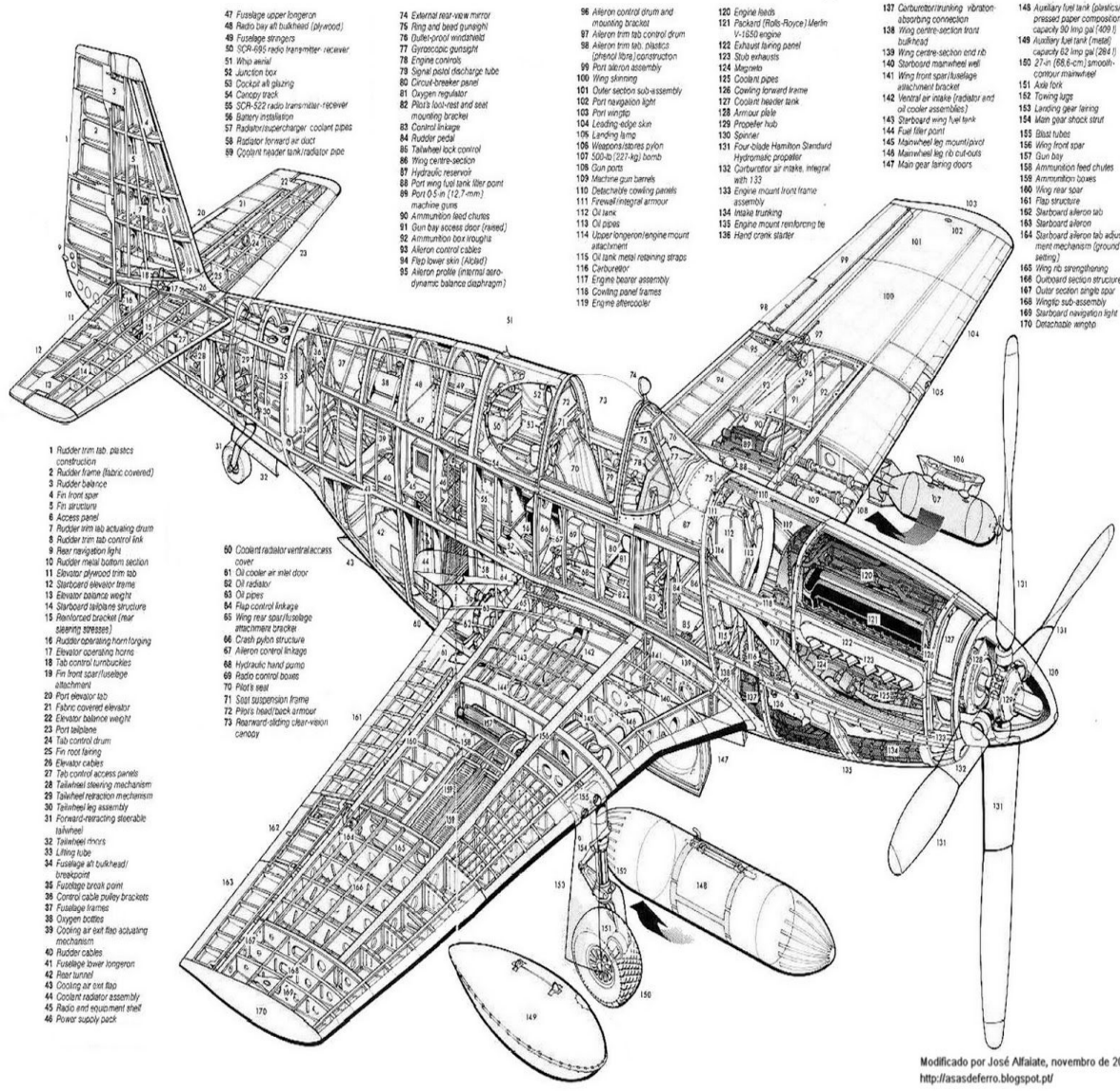


Nom de l'avion : North American P-51B Mustang

Type d'avion : Chasseur-bombardier et d'escorte à long rayon d'action monomoteur monoplace

North American P-51B Mustang



- 1 Rudder trim tab, plastics construction
- 2 Rudder frame (fabric covered)
- 3 Rudder balance
- 4 Fin front spar
- 5 Fin structure
- 6 Access panel
- 7 Rudder trim tab actuating drum
- 8 Rudder trim tab control link
- 9 Rear navigation light
- 10 Rudder metal bottom section
- 11 Elevator plywood trim tab
- 12 Stabilizer elevator horns
- 13 Elevator balance weight
- 14 Starboard tab/air structure
- 15 Port tab/air structure (near steering struts)
- 16 Rudder operating horn forging
- 17 Elevator operating horns
- 18 Tab control link/brackets
- 19 Fin front spar/fuselage attachment
- 20 Port elevator tab
- 21 Fabric covered elevator
- 22 Elevator balance weight
- 23 Port tab/air
- 24 Tab control drum
- 25 Fin root fairing
- 26 Elevator cables
- 27 Tab control access panels
- 28 Tailwheel steering mechanism
- 29 Tailwheel retraction mechanism
- 30 Tailwheel leg assembly
- 31 Forward retracting steerable tailwheel
- 32 Tailwheel shock
- 33 Lifting tube
- 34 Fuselage aft bulkhead/breakpoint
- 35 Fuselage track point
- 36 Control cable pulley brackets
- 37 Fuselage frames
- 38 Oxygen bottles
- 39 Cooling air exit flap actuating mechanism
- 40 Rudder cables
- 41 Fuselage lower longeron
- 42 Rear tunnel
- 43 Cooling air exit flap
- 44 Cooling radiator assembly
- 45 Radio and equipment shelf
- 46 Power supply pack

- 74 External rear-view mirror
- 75 Ring and bead strength
- 76 Fuselage stringer
- 77 Gyroscopic pump/gear
- 78 Engine controls
- 79 Signal pistol discharge tube
- 80 Circuit breaker panel
- 81 Oxygen regulator
- 82 Pilot's foot-rest and seat mounting bracket
- 83 Control linkage
- 84 Rudder pedal
- 85 Tailwheel lock control
- 86 Wing centre-section
- 87 Hydraulic reservoir
- 88 Porting fuel tank filler point
- 89 Port 0.5-in (12.7-mm) machine guns
- 90 Ammunition lead chutes
- 91 Gun bay access door (raised)
- 92 Ammunition box trough
- 93 Aileron control cables
- 94 Flap lower skin (Alclad)
- 95 Aileron profile (internal aerodynamic balance diagram)

- 96 Aileron control drum and mounting bracket
- 97 Aileron trim tab control drum
- 98 Aileron trim tab, plastics (phenolic fibre construction)
- 99 Pilot action assembly
- 100 Wing skinning
- 101 Outer section sub-assembly
- 102 Port navigation light
- 103 Port wingtip
- 104 Leading edge skin
- 105 Landing lamp
- 106 Weapons stores pylon
- 107 500-lb (227-kg) bomb
- 108 Gun ports
- 109 Machine gun barrels
- 110 Detachable cowling panels
- 111 Forward integral armor
- 112 Oil tank
- 113 Oil pipes
- 114 Upper longeron/engine mount attachment
- 115 Oil tank metal retaining straps
- 116 Carburetor
- 117 Engine bearing assembly
- 118 Cowling panel frames
- 119 Engine aftercooler

- 120 Engine heads
- 121 Packard (Pitts-Royce) Merlin V-12 engine
- 122 Exhaust fairing panel
- 123 Stub exhausts
- 124 Magnets
- 125 Cockpit panel
- 126 Cowling forward frame
- 127 Coolant header tank
- 128 Annular plate
- 129 Propeller hub
- 130 Spinner
- 131 Four-blade Hamilton Standard Hydromatic propeller
- 132 Carburetor air intake, integral with 133
- 133 Engine mount front frame assembly
- 134 Intake trunking
- 135 Engine mount reinforcing tie
- 136 Hand crank starter

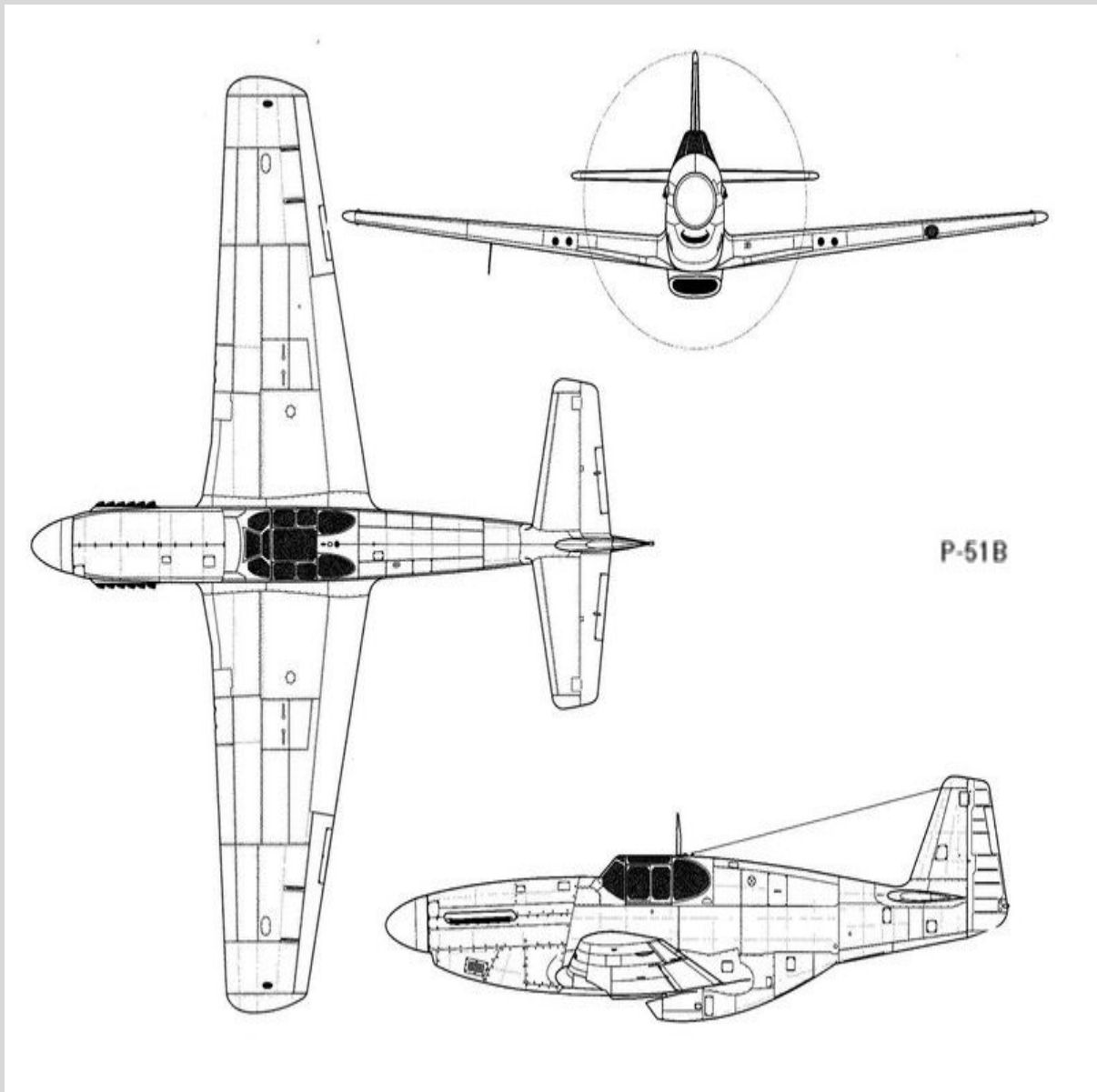
- 140 Auxiliary fuel tank (fabric/plastic pressed paper composition) capacity 50 Imp gal (189 l)
- 141 Auxiliary fuel tank (metal) capacity 25 Imp gal (94 l)
- 142 27-in (68.6-cm) smooth-contour mainwheel
- 143 Auxiliary fuel tank (metal) capacity 50 Imp gal (189 l)
- 144 Landing gear spring
- 145 Main gear shock strut
- 146 Glass tubes
- 147 Wing front spar
- 148 Gun bay
- 149 Ammunition feed chutes
- 150 Ammunition boxes
- 151 Wing rear spar
- 152 Tail structure
- 153 Starboard aileron tab
- 154 Starboard aileron
- 155 Starboard aileron tab adjustment mechanism (ground setting)
- 156 Wing rib strengthening
- 157 Outboard section structure
- 158 Outer section single spar
- 159 Wingtip sub-assembly
- 160 Starboard navigation light
- 161 Detachable wingtip

Modificado por José Afaiate, novembro de 2015
<http://asasdeferro.blogspot.pt/>

MOTORISATION

Allison V-1710-87

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

4 mitrailleuses Colt-Browning de 12,7 mm avec 315 coups
2 bombes de 500 kg



PERFORMANCES

Vitesse maximale= 625 km/h à 6095 m - 815 km/h

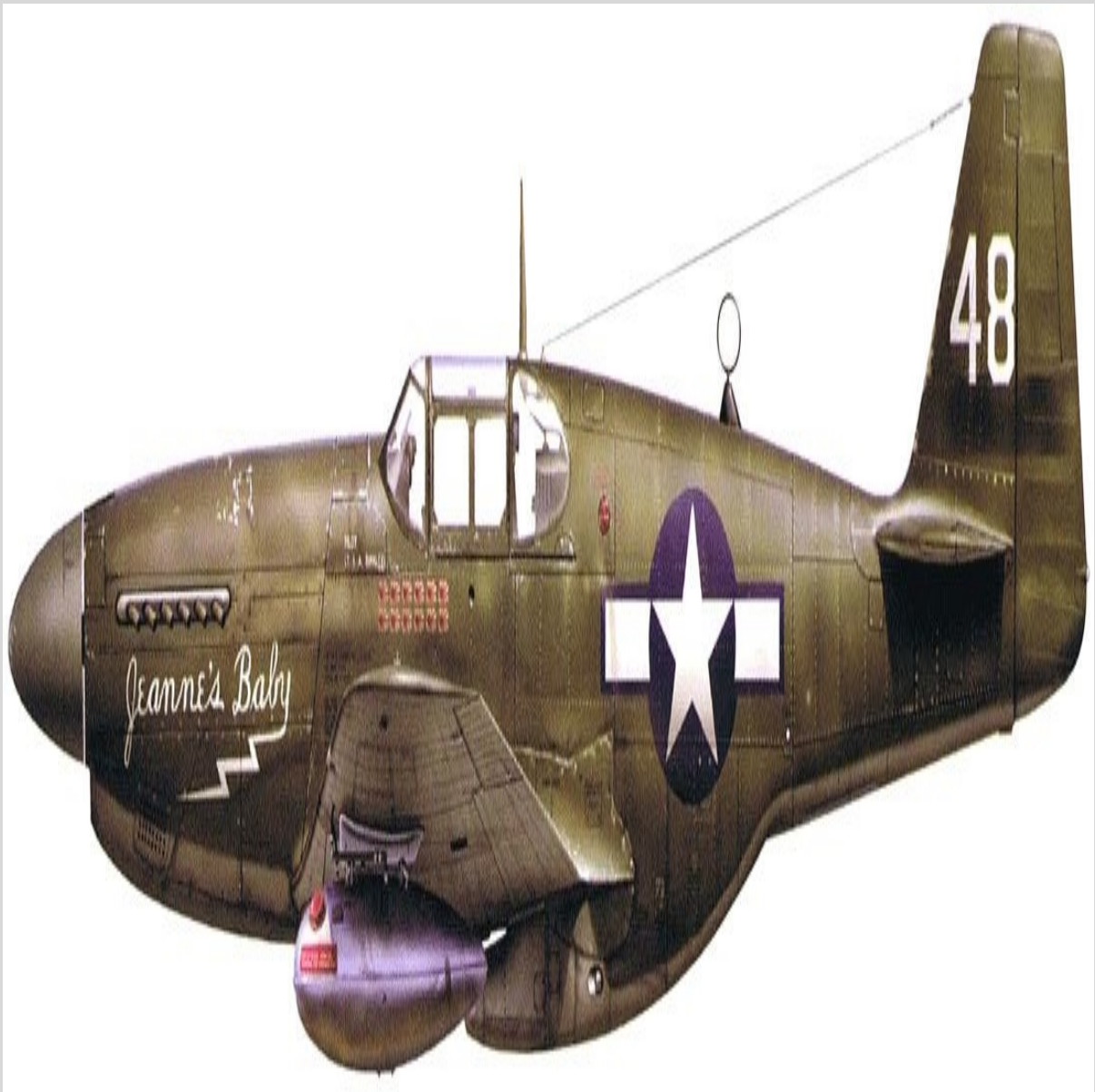
Plafond pratique= 9555 - 13930 m

Rayon action= 2090 km - 1630 km avec 2 réservoirs largables de 285 litres



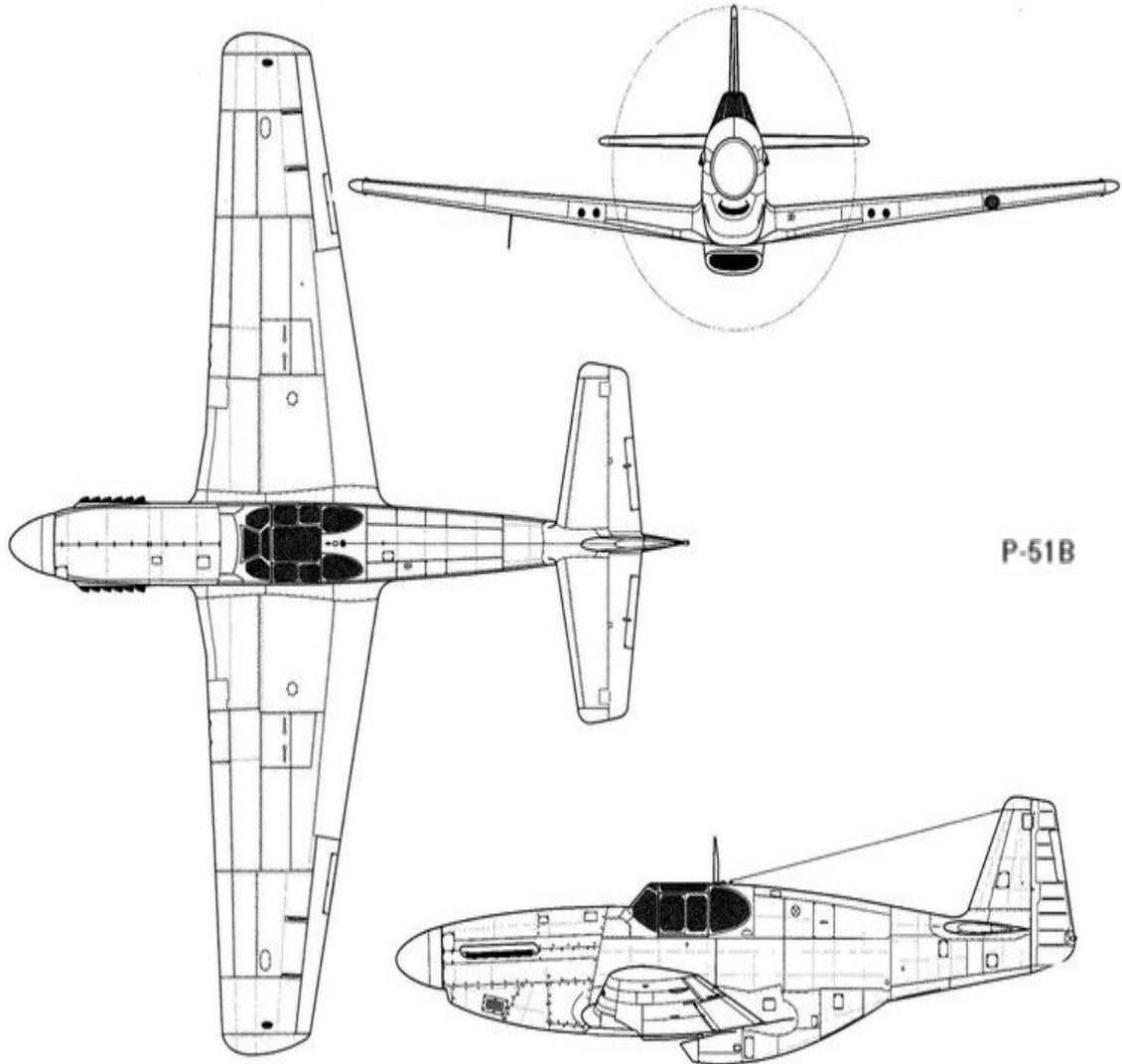
DIMENSIONS

Envergure	Longueur	Hauteur	Surface alaire
11,30 m	9,85 m	4,15 m	21,65 m ²



MASSES

Vide	Charge	Maximale
3185 kg	0 kg	5350 kg



P-51B

HISTOIRE

C'est en décembre 1943 que les premiers exemplaires, propulsé par un "Merlin" firent leur entrée dans les combats en Europe. Fournissant une escorte à haute altitude aux bombardiers Boeing B-17 Superforteresse volante et Consolidated B-24 Liberator. Ils infligèrent de lourdes pertes aux intercepteurs allemands jusqu'à la fin de la guerre. Les North American P-51 Mustang ont détruit 4950 avions ennemis en l'air soit plus que tout autre chasseur en Europe .

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/p_51b.htm

