

JOINT



SERVICES

# RECOGNITION

*Journal*



Vol. 7

OCTOBER 1952

No. 8



## HELICOPTERS

Westland-Sikorsky  
**DRAGONFLY HR Mk. 3**  
 (One Alvis Leonides radial)  
 Rotor diameter : 48 ft.



Bristol  
**SYCAMORE HC Mk. 11**  
 (One Alvis Leonides radial)  
 Rotor diameter : 48 ft. 7 in.



**BELL 47D**  
 USAF : H-13 ; USN : HTL-1  
 (One Franklin air-cooled "flat")  
 Rotor diameter : 35 ft.



**MIL**  
 No data available



Sikorsky  
**S-55**  
 USAF : H-19 ; USN : HO4S-1 ;  
 USM : HRS-1  
 (One P & W Wasp radial)  
 Rotor diameter : 53 ft.







RECOGNITION JOURNAL

The *Joint Services Recognition Journal* is a monthly publication prepared and produced by the Assistant Chief of Air Staff (Training), Air Ministry, in collaboration with the Ministry of Supply—Controller of Supplies (Air)—Air Technical Publications. Contributions and correspondence should be addressed to the Editor, *Joint Services Recognition Journal*, Air Ministry, Room 213, Richmond Terrace, Whitehall, London, S.W.1.

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SILHOUETTES

WE have again gathered together a set of silhouettes of all the World's aeroplanes worthy of recognition—one hundred and sixty-two of them. Most of them are in regular service somewhere or other, some are in production, and the rest are scheduled for production. Notable absentees are the Avro 698 four-jet Delta-wing bomber and the Vickers Swift. We shall rectify this as soon as silhouettes become available.

Those who study aeroplane "breeds" and design development will find interesting comparisons between the types illustrated now and those shown in similar editions of the *Journal* published in September, 1944, and August, 1949.

We have arranged the layout so that types fall roughly into similar shape groups. Such an arrangement makes for easier and quicker visual reference, and should also show up basic shape differences between types.

We have devoted more space to the larger aeroplanes, but it has not been found possible to arrange all to a common scale. Wing spans and overall lengths of aircraft have been included and rotor diameters of helicopters. We have printed large the name or designation by which each aeroplane is best known and included the U.S. service designations where appropriate. We have also quoted the simplest name (or designation where no name exists) and the kind of power plant installed.

In preparing the silhouettes we have thinned out the white lines so that shapes are simplified and some of the more intensive entanglements of detail delineation, inevitable in small reproductions, are

avoided. We hope we have struck a happy medium over this and made the silhouettes into useful works of reference, sources of information, and above all, efficient training instruments—though that will depend very much upon the way they are used.

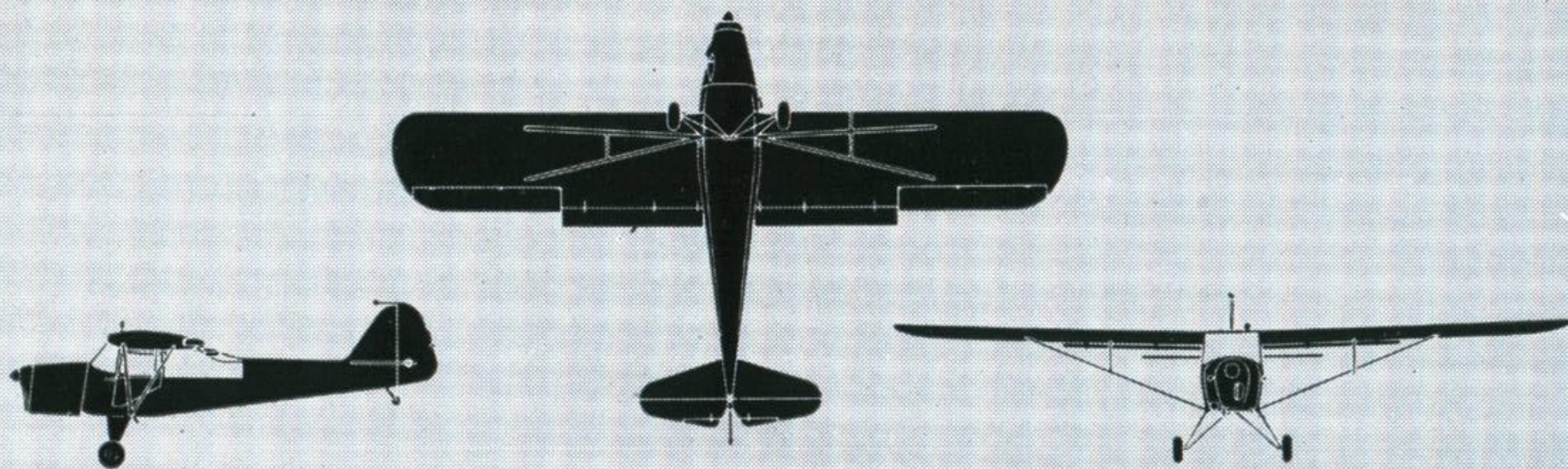
The three-view silhouette, key training instrument in aircraft recognition, may be defined as a conventional (and convenient) summary, or simplification, of an object which can present itself in an infinite range of aspects of shape, colour and tone. It is a tool—a means of doing a job—a means to an end. The speed and facility with which it is used, in conjunction with other synthetic representations, to acquire familiarity with the appearance of the real object will be the test of its efficiency. Incidentally, learning to recognize each silhouette off by heart—a remarkable *tour de force*—is not the best way of learning to recognize the object.

The preparation of this edition has been a "midnight oil" job for the *Journal's* art staff and various other producing agencies, to whom the Editor's and readers' thanks are due.



Cover Photo : Vickers Supermarine Swift all-swept jet fighter, in super-priority production for the Royal Air Force. The Swift is powered by a Rolls-Royce Avon turbojet.



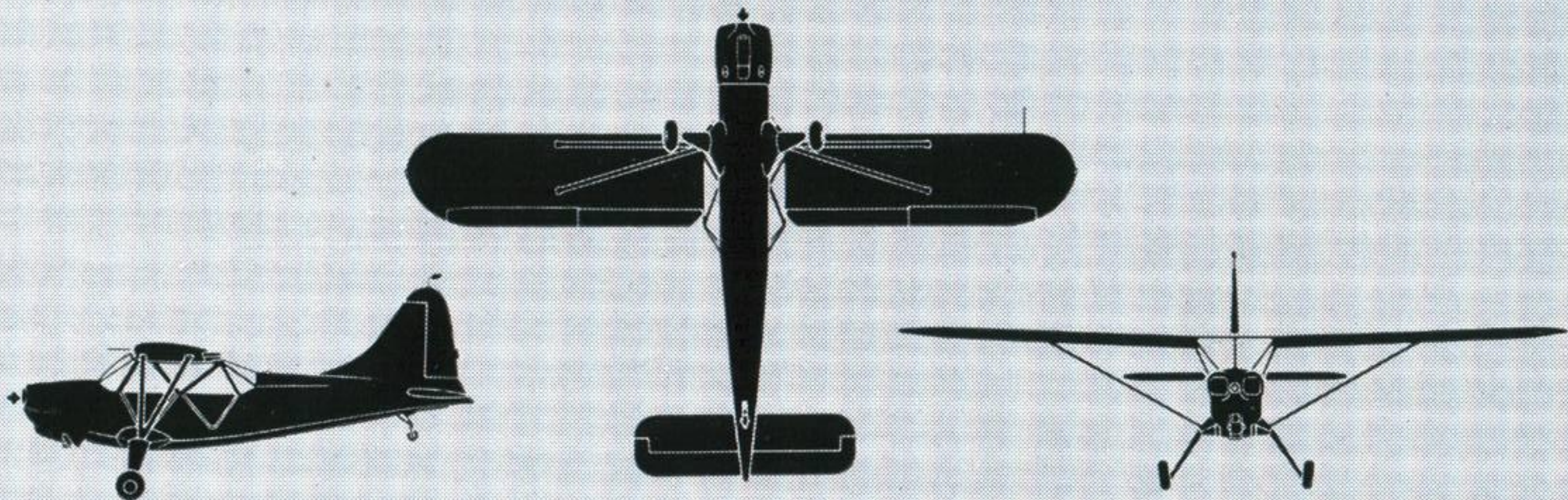


## LIGHT TYPES

Auster

### AOP Mk. 6

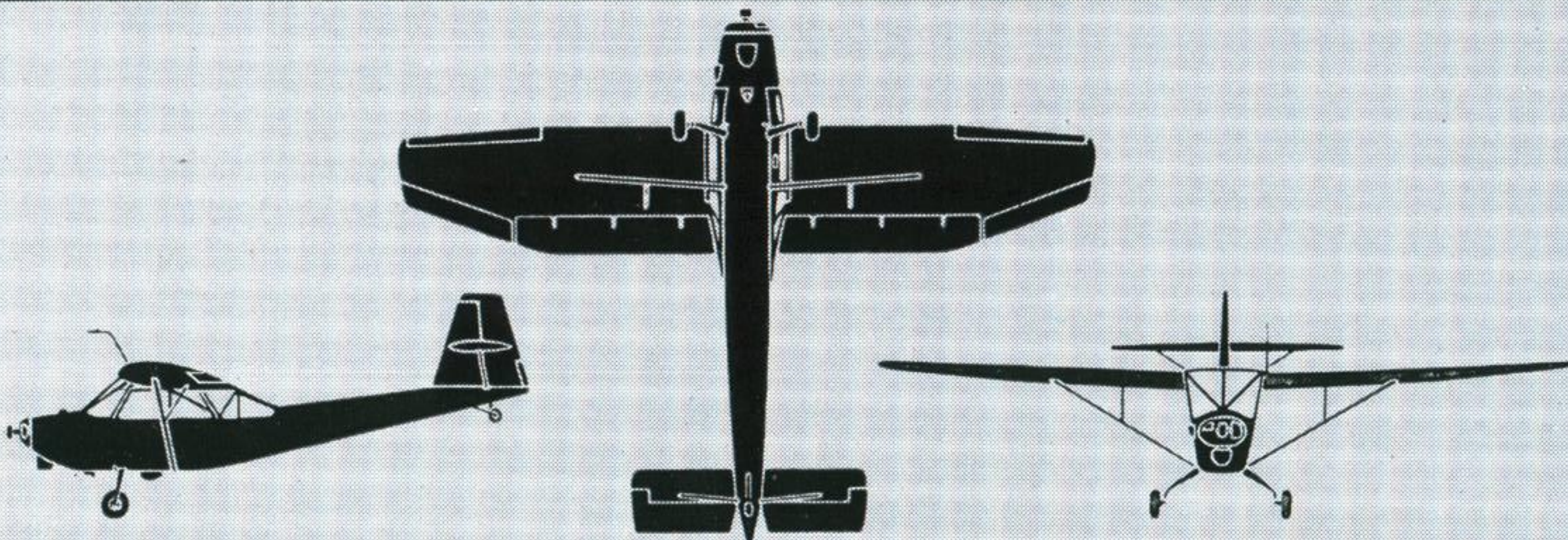
(One D.H. Gipsy Major in-line)  
Span : 36 ft. Length : 28 ft. 9 in.



Stinson

### SENTINEL

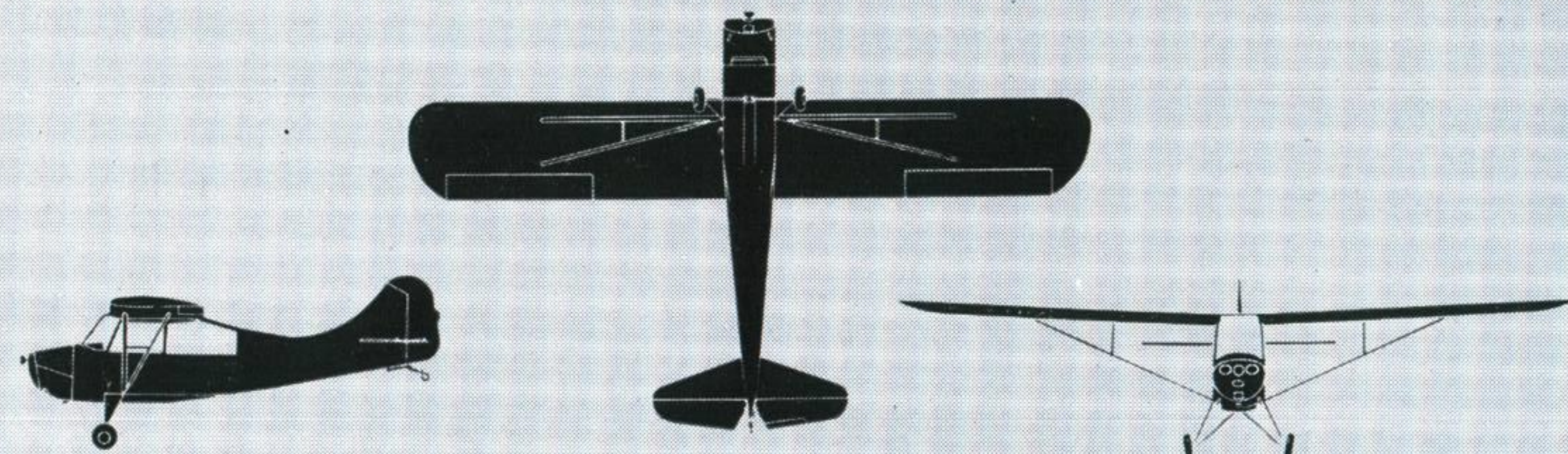
USAF : L-5B  
(One Lycoming air-cooled "flat")  
Span : 34 ft. Length : 24 ft. 1 in.



Convair

### SCOUT

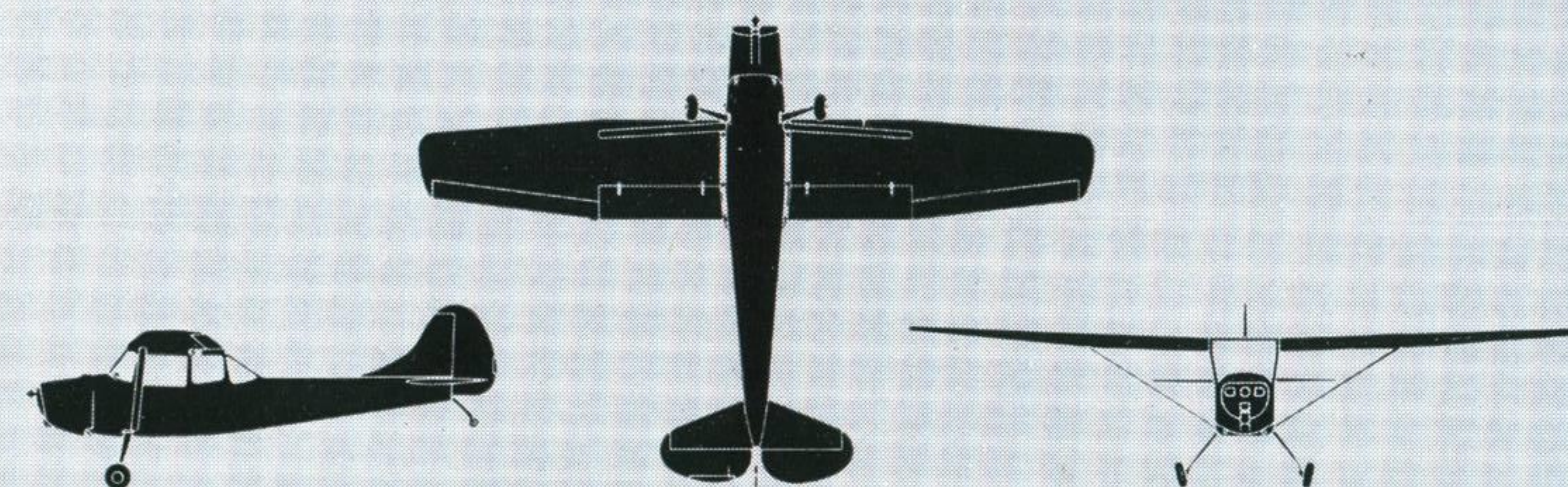
USAF : L-13A  
(One Franklin air-cooled "flat")  
Span : 40 ft. 6 in.  
Length : 31 ft. 9 in.



Aeronca

### AIRDALE

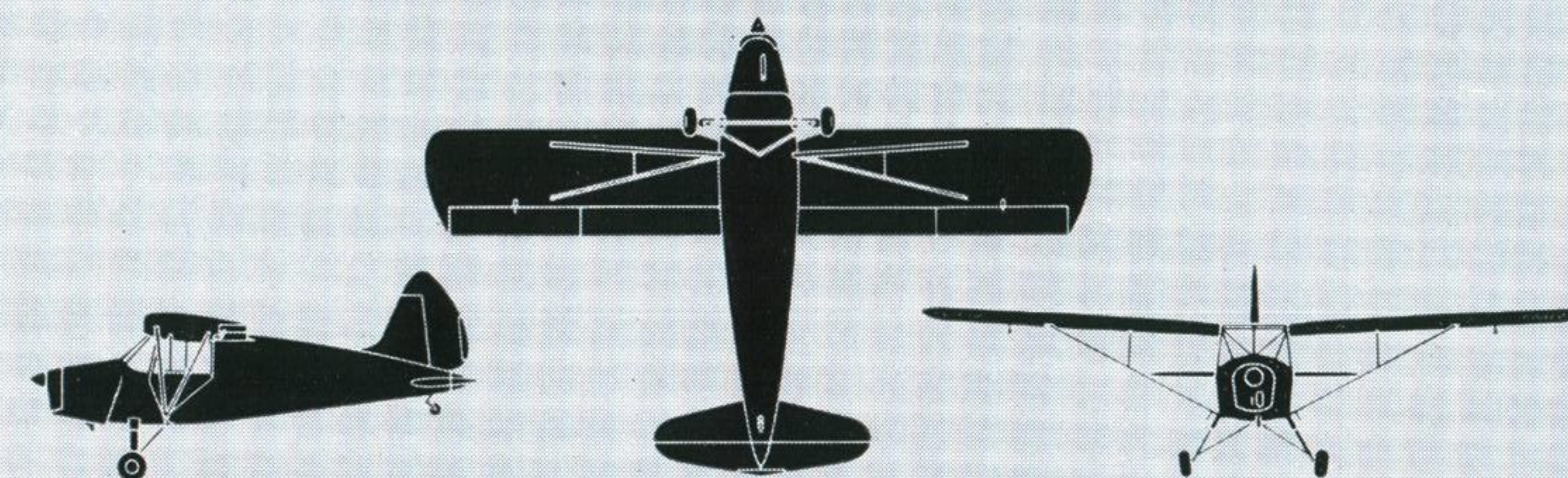
USAF : L-16B  
(One Continental air-cooled "flat")  
Span : 35 ft. 2 in.  
Length : 21 ft. 6 in.



Cessna

### BIRD-DOG

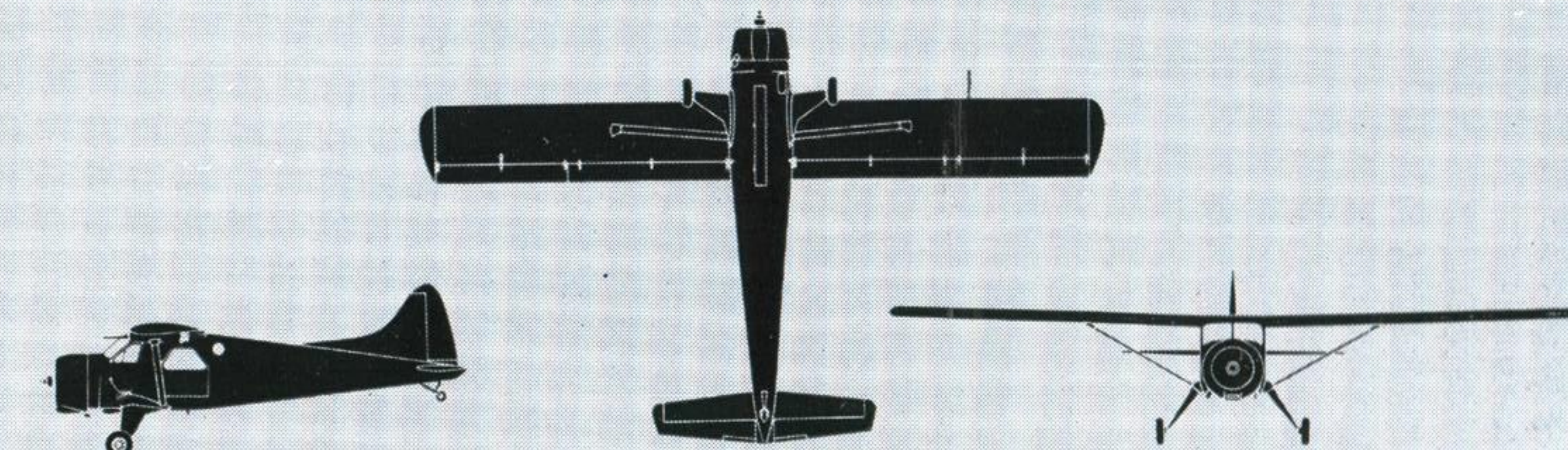
USAF : L-19A  
(One Continental air-cooled "flat")  
Span : 36 ft. Length : 25 ft.



Skandinavisk

### KZ-III

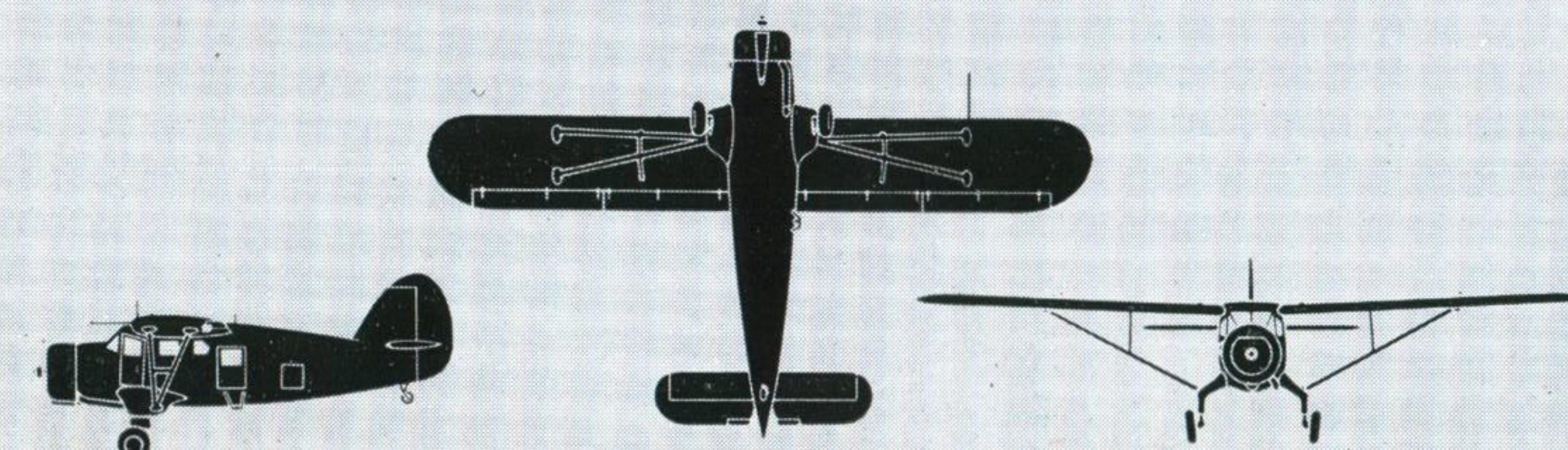
(One Cirrus Minor in-line)  
Span : 31 ft. 6 in.  
Length : 21 ft. 6 in.



De Havilland (Canada)

### BEAVER

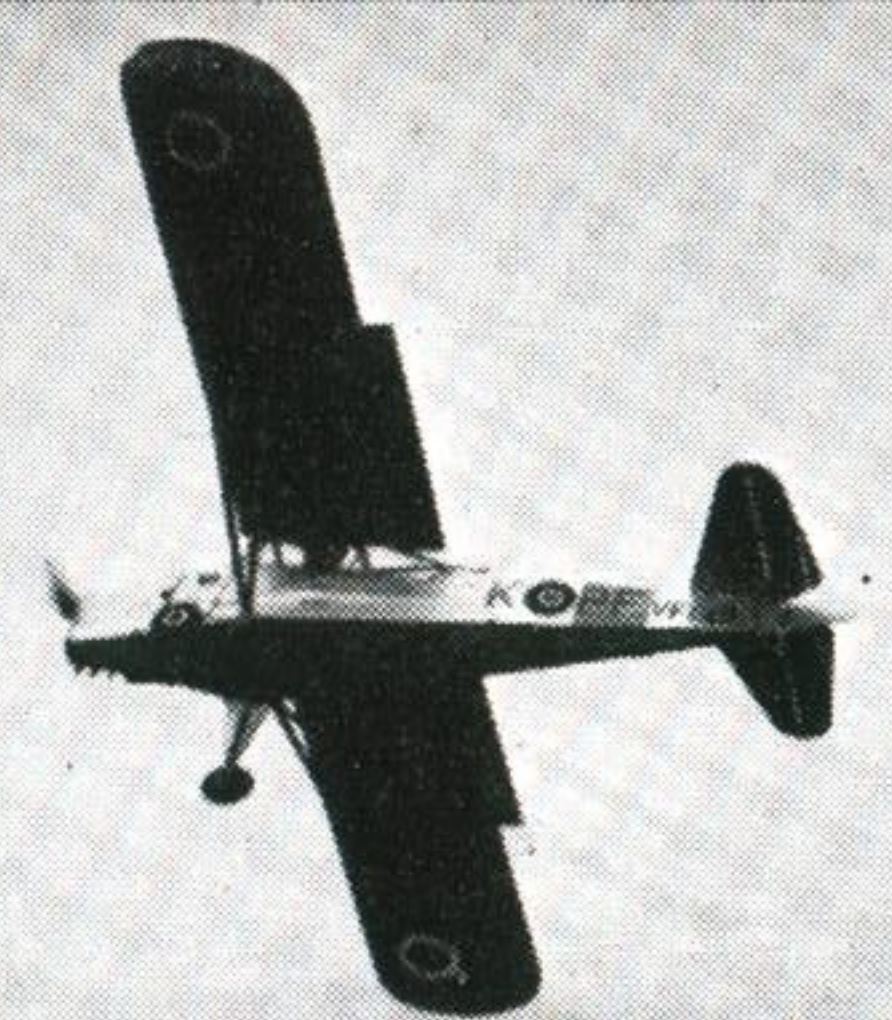
USAF : L-20A  
(One P & W Wasp Junior radial)  
Span : 48 ft. Length : 30 ft. 3 in.



Noorduyn

### NORSEMAN

USAF : C-64A  
(One P & W Wasp radial)  
Span : 51 ft. 6 in.  
Length : 32 ft. 4 in.







## LIGHT TYPES

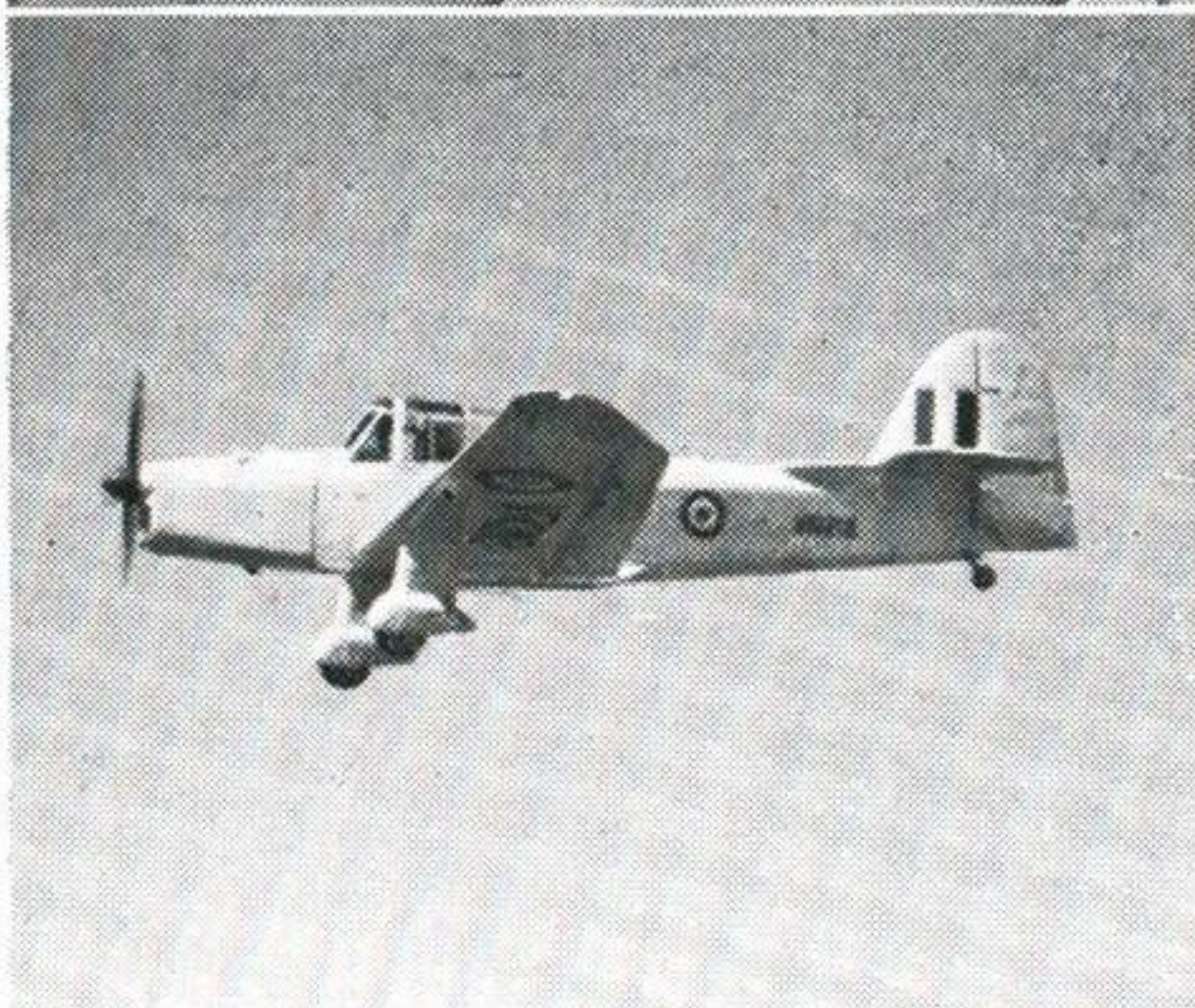
Percival

### PROCTOR T Mk. 4

(One D.H. Gipsy Six in-line)

Span : 39 ft. 6 in.

Length : 27 ft. 10 in.



Percival

### PRENTICE T Mk. 1

(One D.H. Gipsy Queen in-line)

Span : 46 ft. Length : 31 ft. 7 in.



Percival

### PROVOST T Mk. 1

(One Alvis Leonides radial)

Span : 35 ft. 2 in. Length : 29 ft.



De Havilland (Canada)

### CHIPMUNK T Mk. 10

(One D.H. Gipsy Major in-line)

Span : 34 ft. 4 in.

Length : 25 ft. 8 in.



Fokker

### INSTRUCTOR

(One Lycoming air-cooled "flat")

Span : 36 ft. 1 in.

Length : 26 ft. 8 in.



Piaggio

### P.148

(One Lycoming air-cooled "flat")

Span : 36 ft. 5 in.

Length : 27 ft. 7 in.



Miles

### MESSENGER Mk. 2A

(One Cirrus Major in-line)

Span : 36 ft. Length 23 ft. 9 in.



Ryan

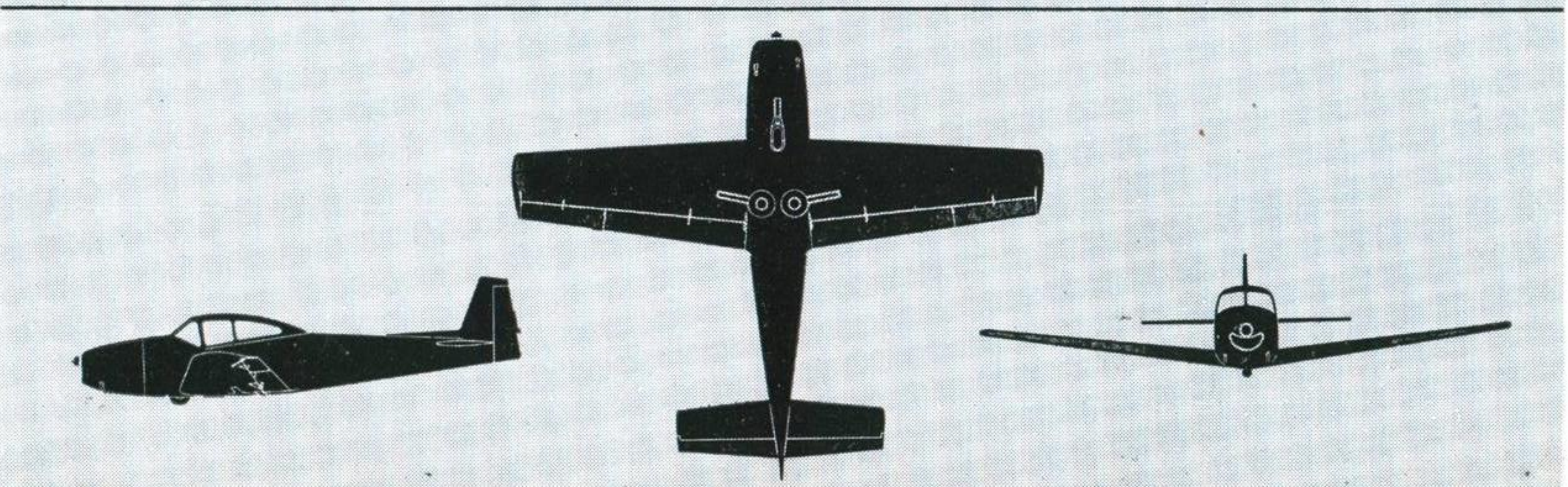
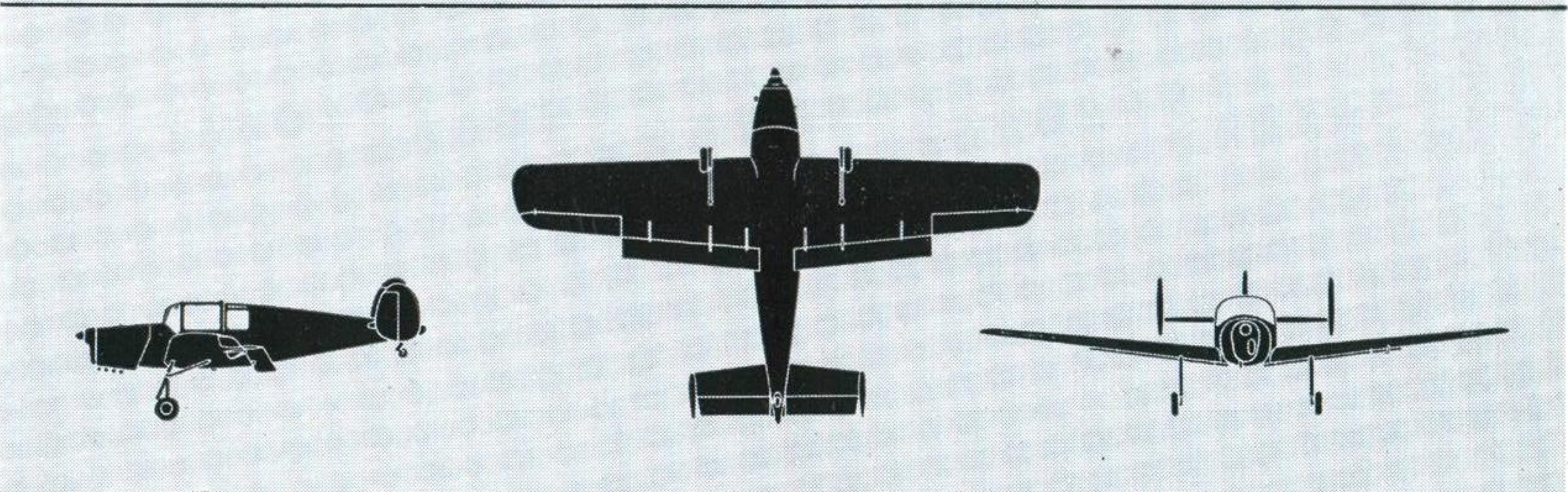
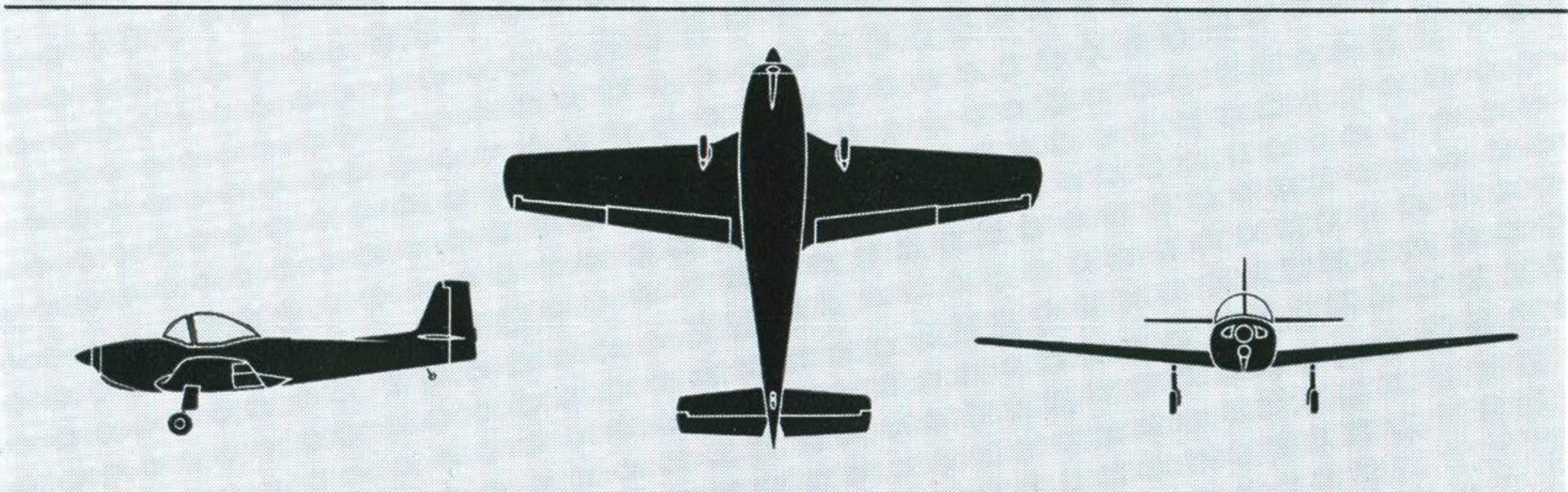
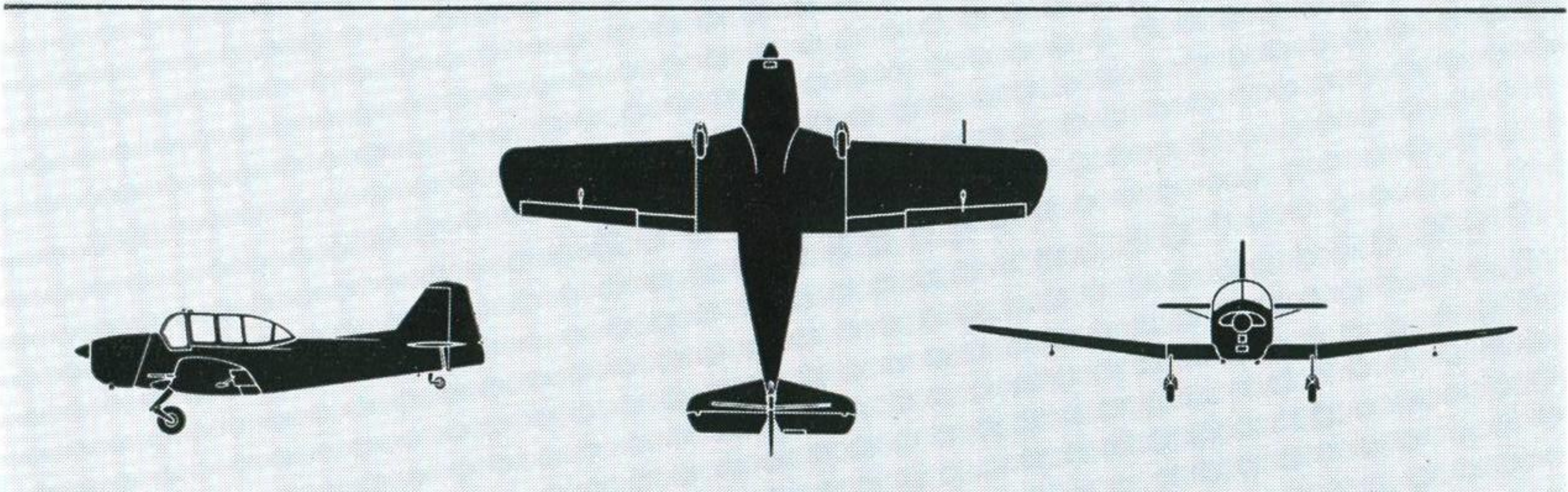
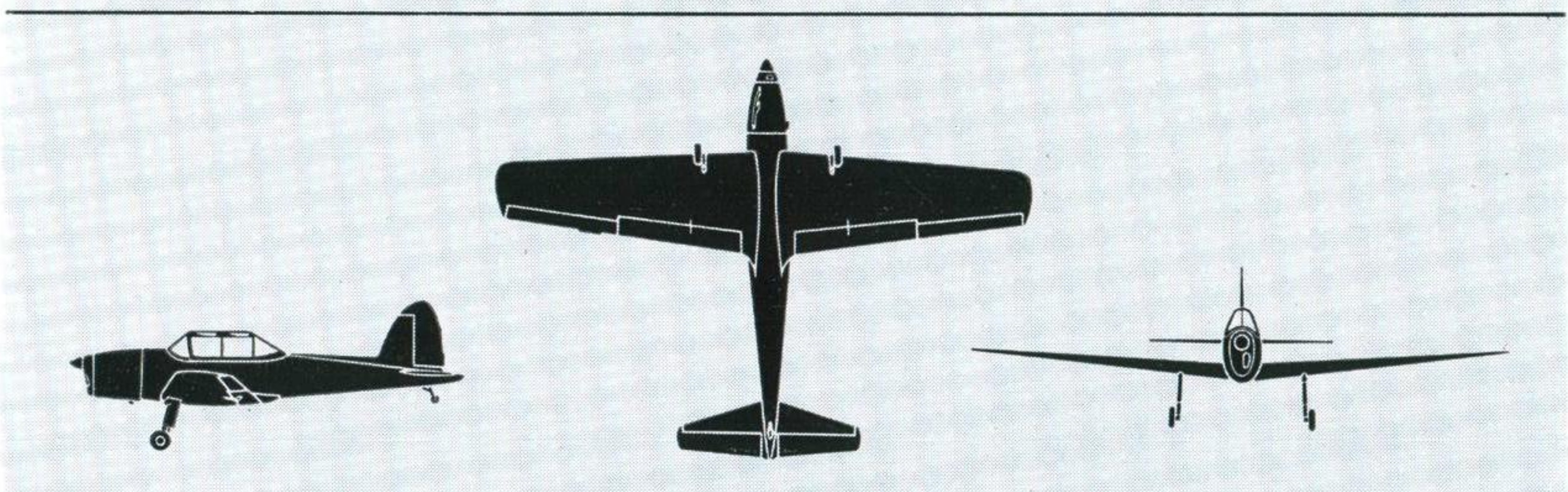
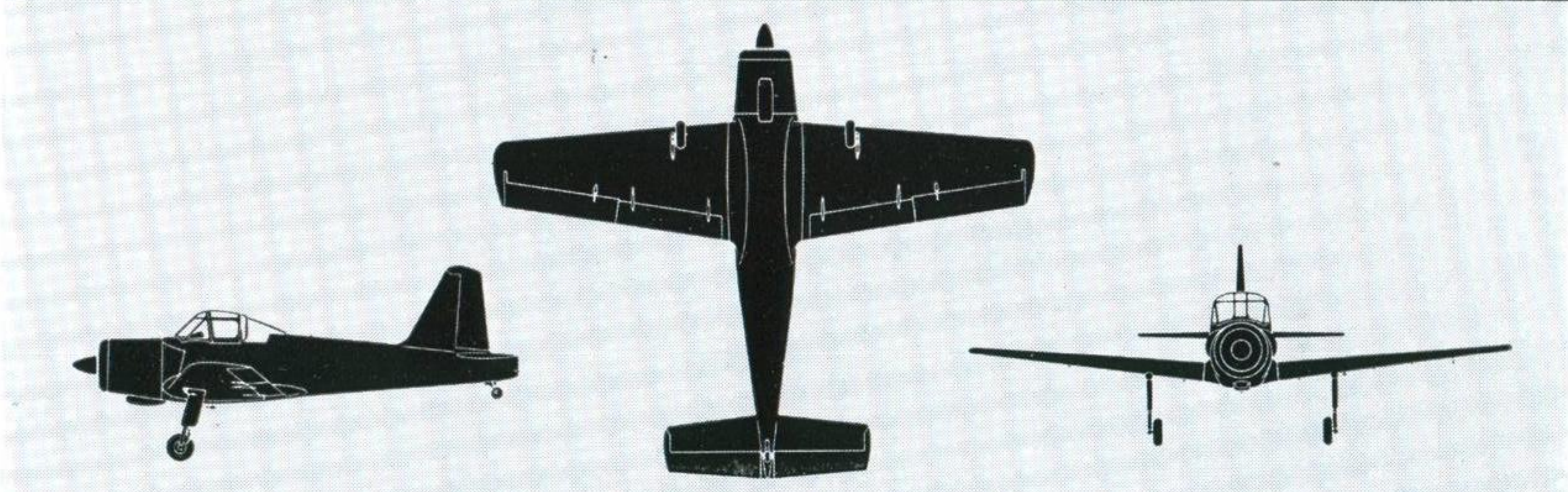
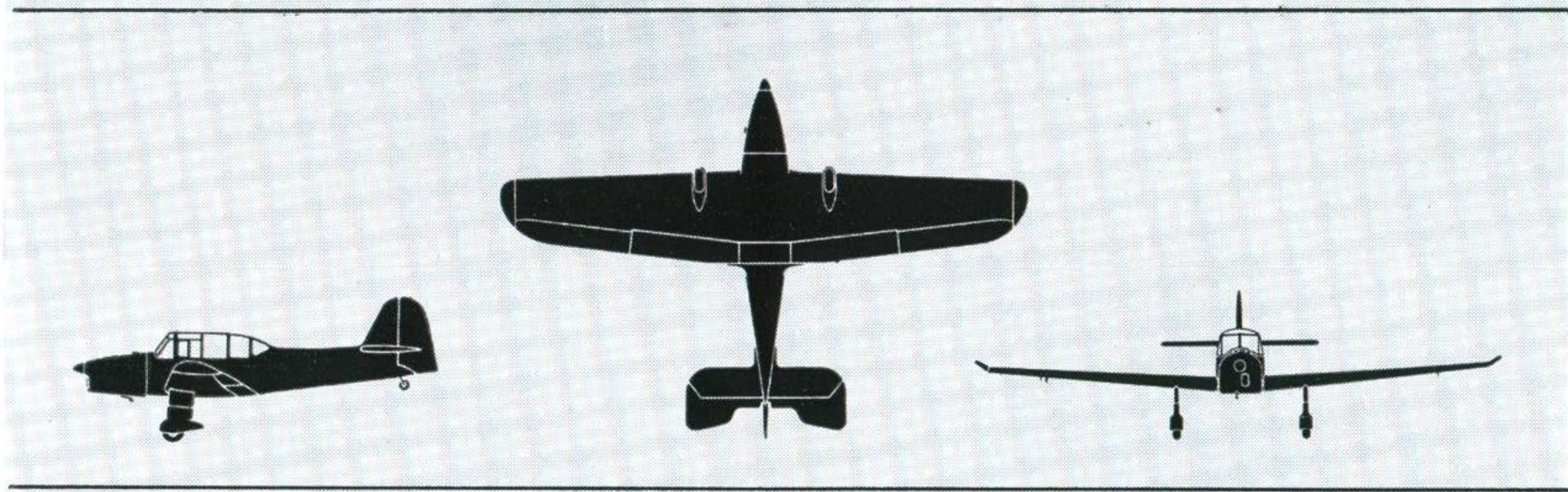
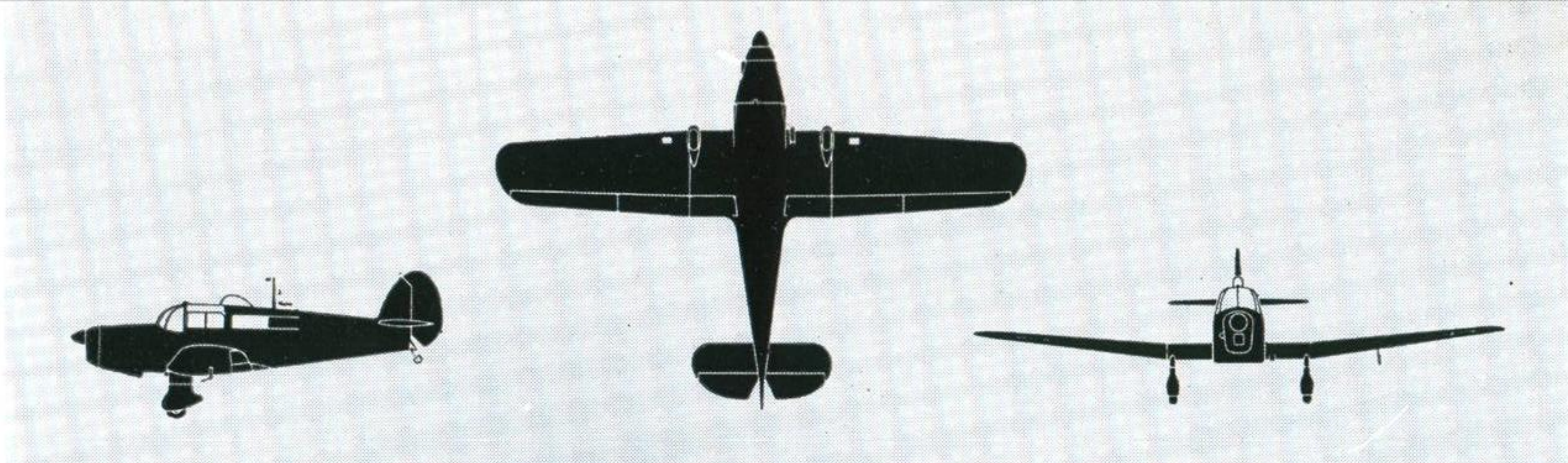
### NAVION

USAF : L-17A

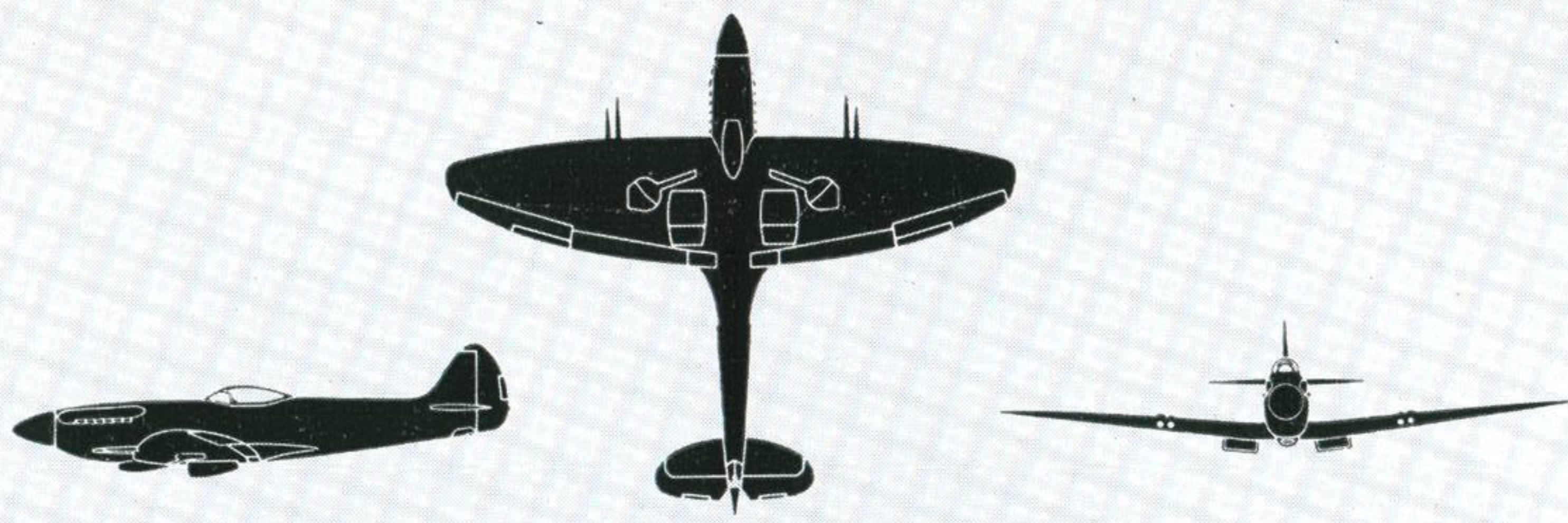
(One Lycoming air-cooled "flat")

Span : 33 ft. 5 in.

Length : 27 ft. 6 in.







## SINGLE (PROP) TYPES

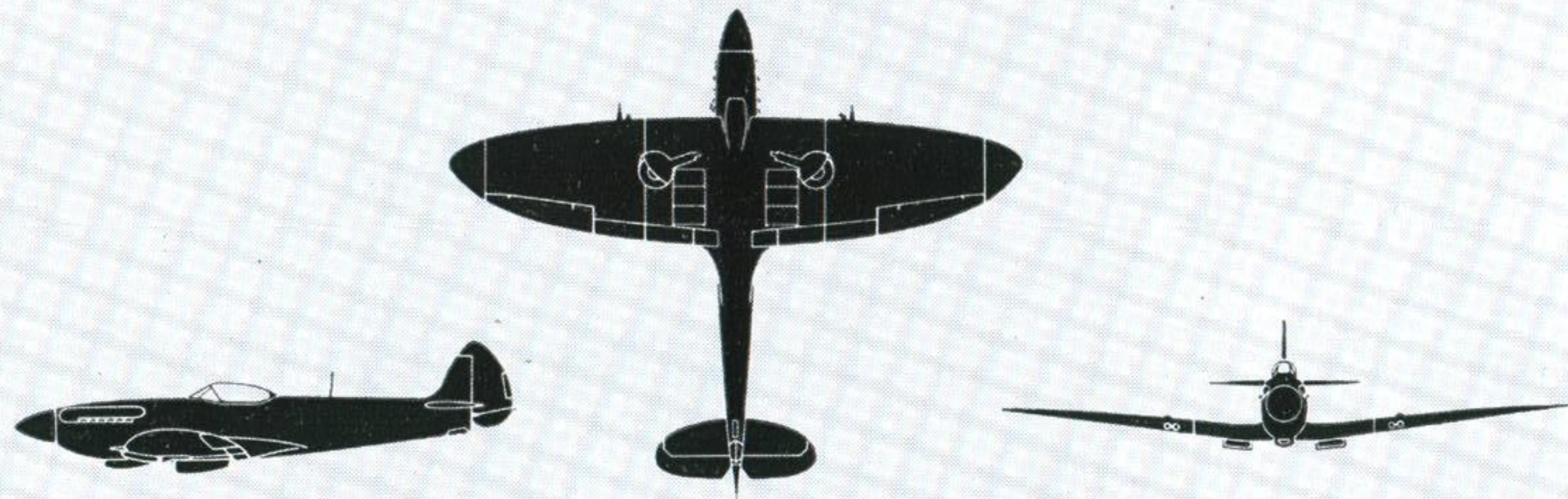
Supermarine

### SPITFIRE F Mk. 22

(One R.R. Griffon in-line)

Span : 36 ft. 11 in.

Length : 32 ft. 11 in.



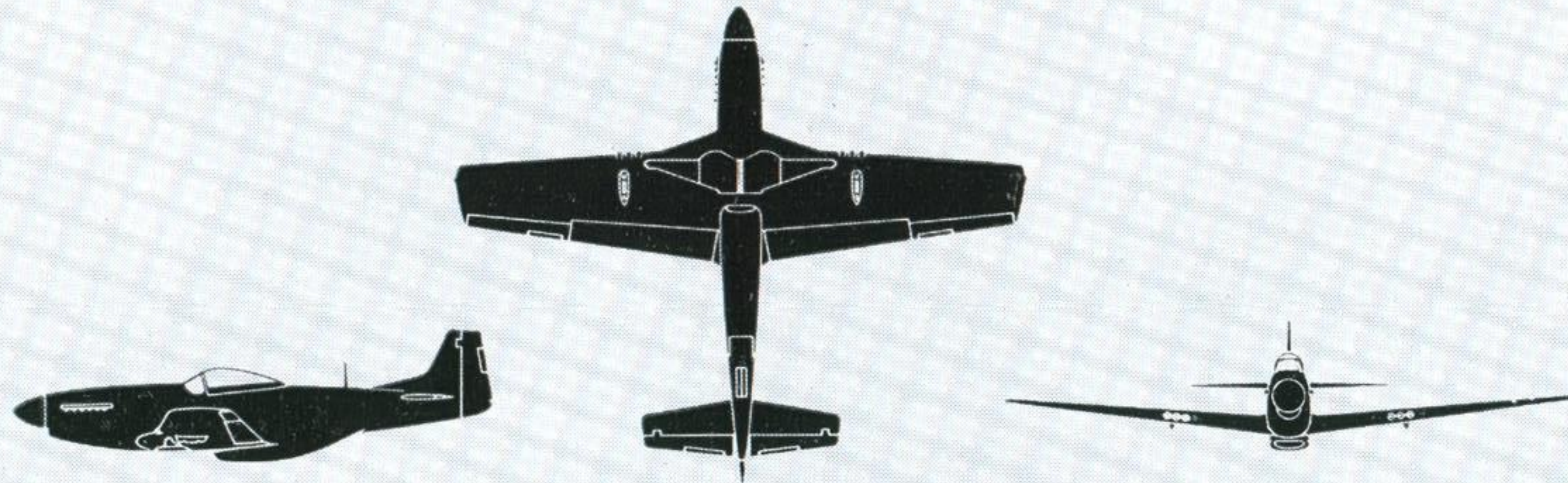
Supermarine

### SEAFIRE F Mk. 17

(One R.R. Griffon in-line)

Span : 36 ft. 10 in.

Length : 32 ft. 4 in.



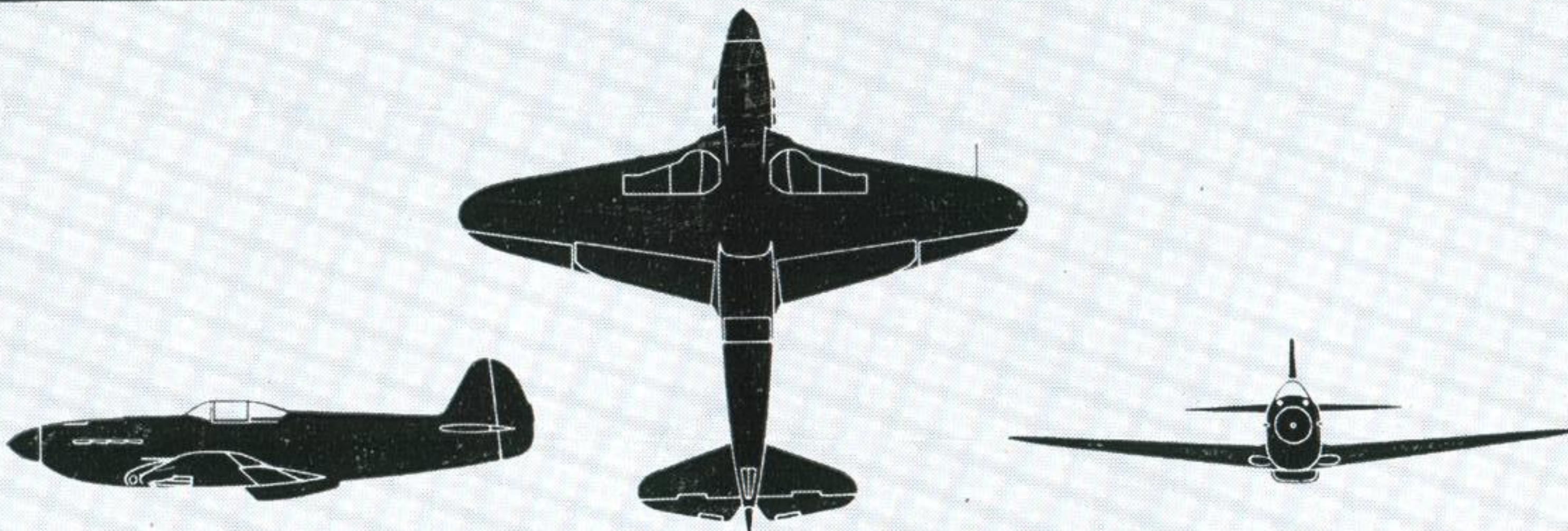
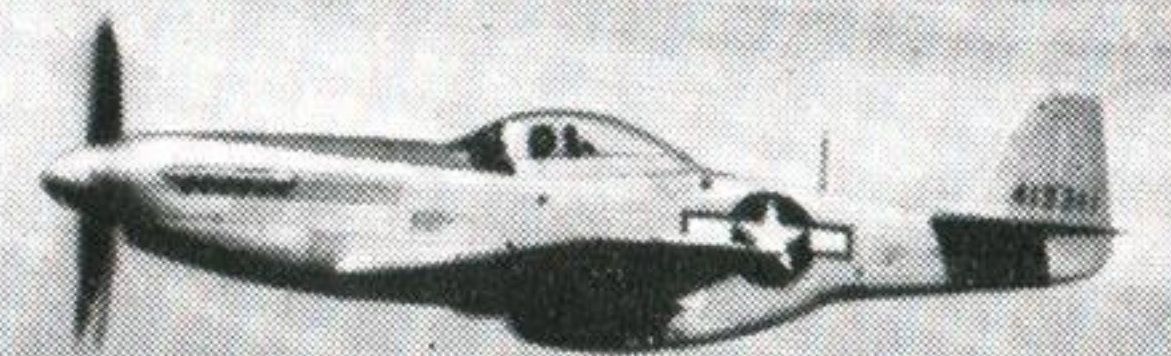
North American

### MUSTANG

USAF : F-51D

(One Packard Merlin in-line)

Span : 37 ft. Length : 32 ft. 3 in.



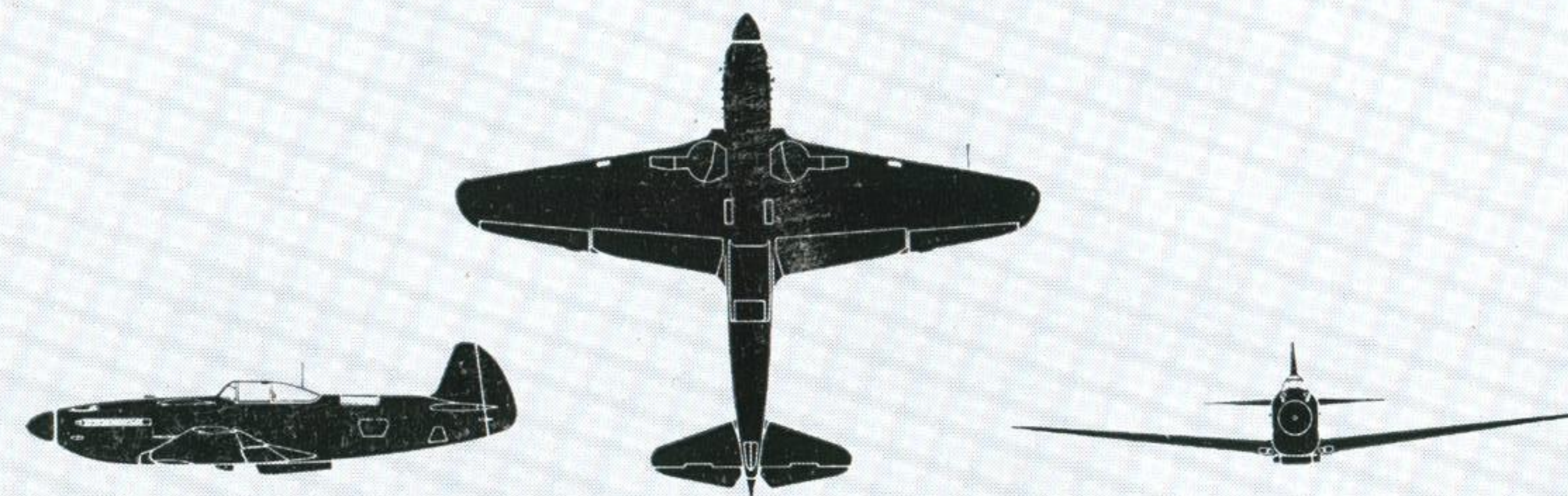
Yakovlev

### YAK-3

(One V.K.105PF in-line)

Span : 30 ft. 2 in.

Length : 27 ft. 9 in.



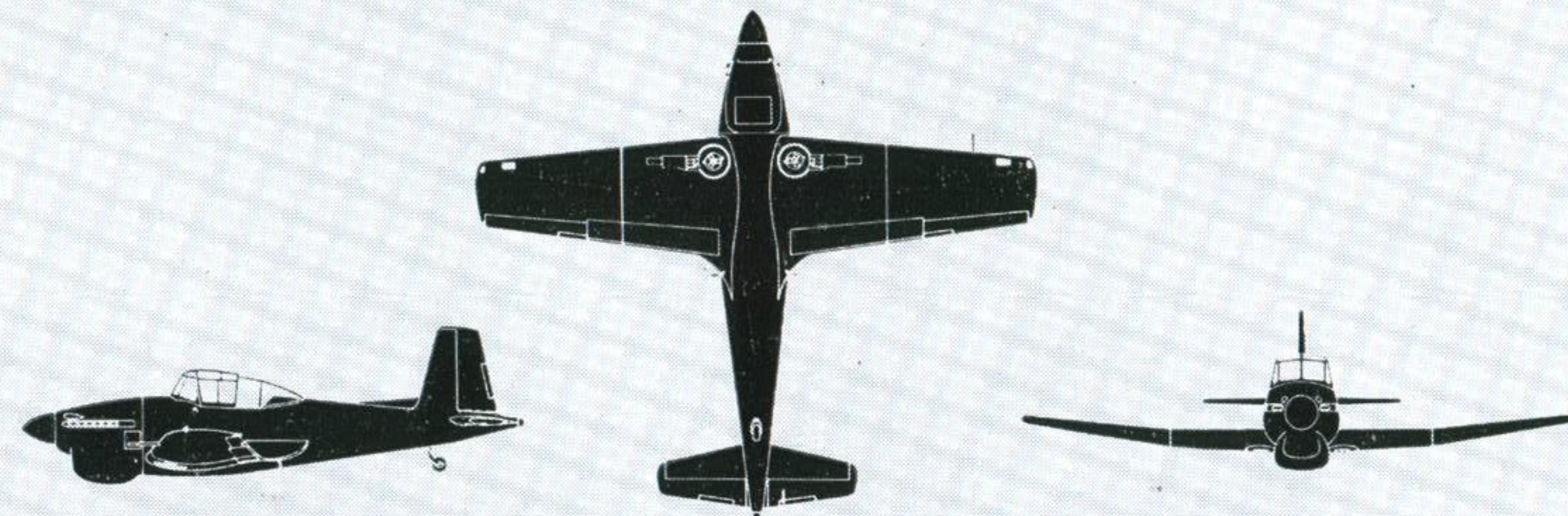
Yakovlev

### YAK-9P

(One VK. 107A in-line)

Span : 30 ft. 11 in.

Length : 27 ft. 10 in.



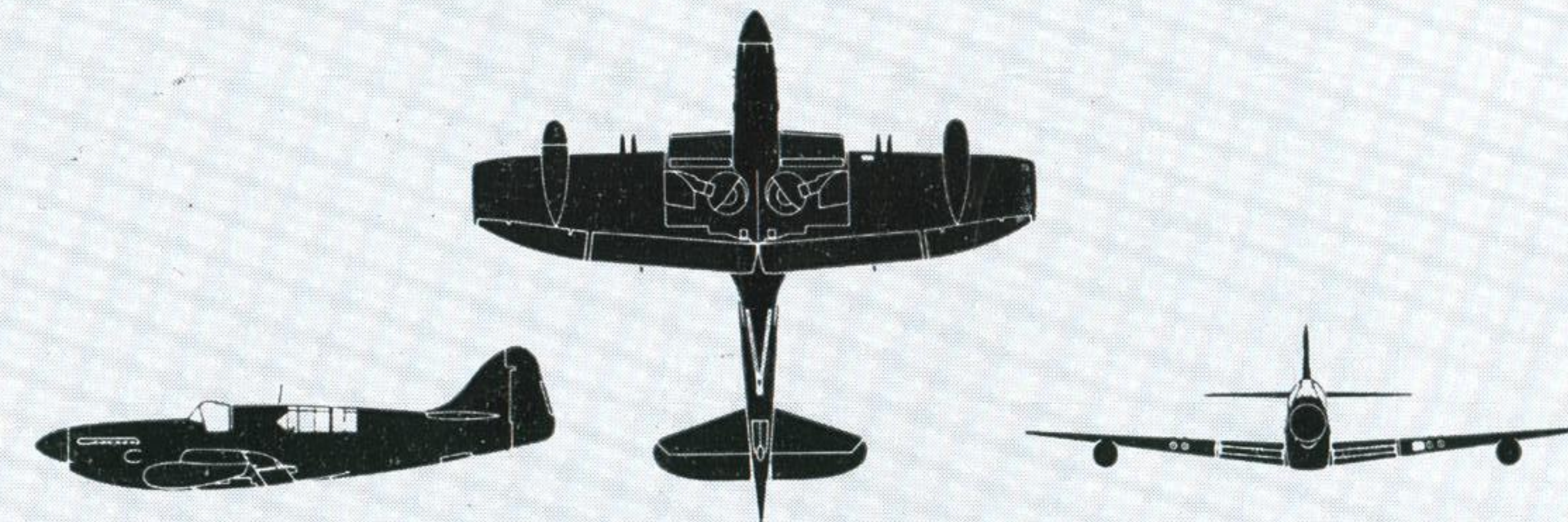
Boulton Paul

### BALLIOL T Mk. 2

(One R.R. Merlin in-line)

Span : 39 ft. 4 in.

Length : 35 ft. 1 in.



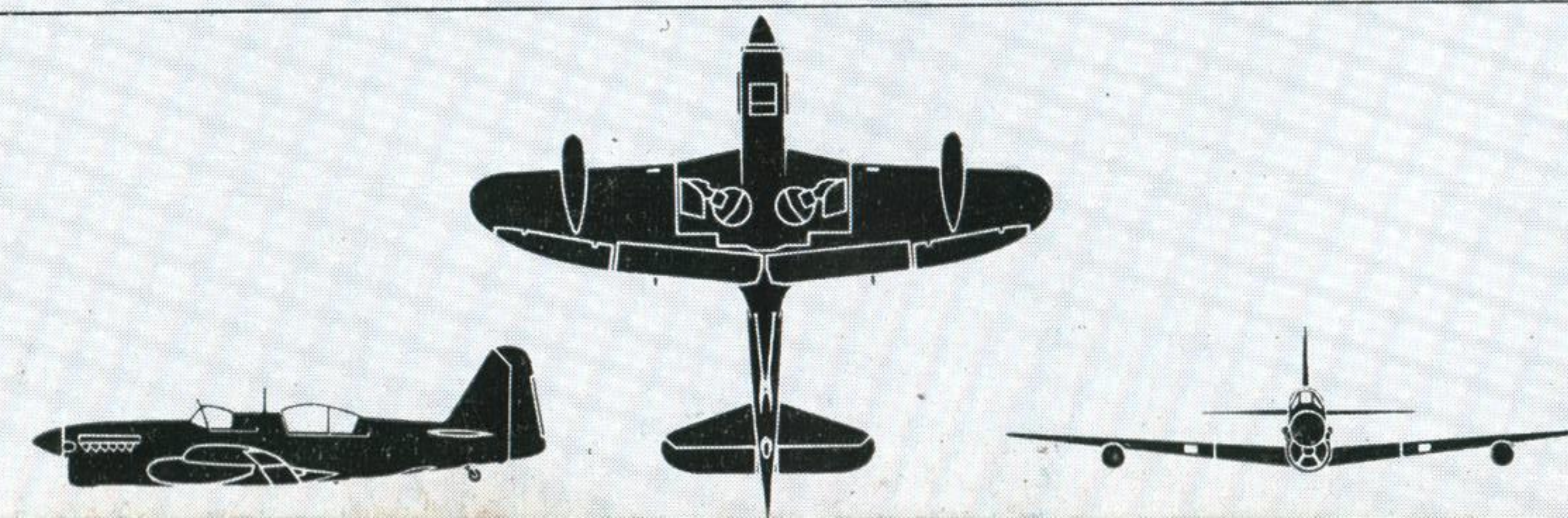
Fairey

### FIREFLY FR Mk. 4

(One R.R. Griffon in-line)

Span : 41 ft. 2 in.

Length : 37 ft. 11 in.



Fairey

### FIREFLY AS Mk. 7

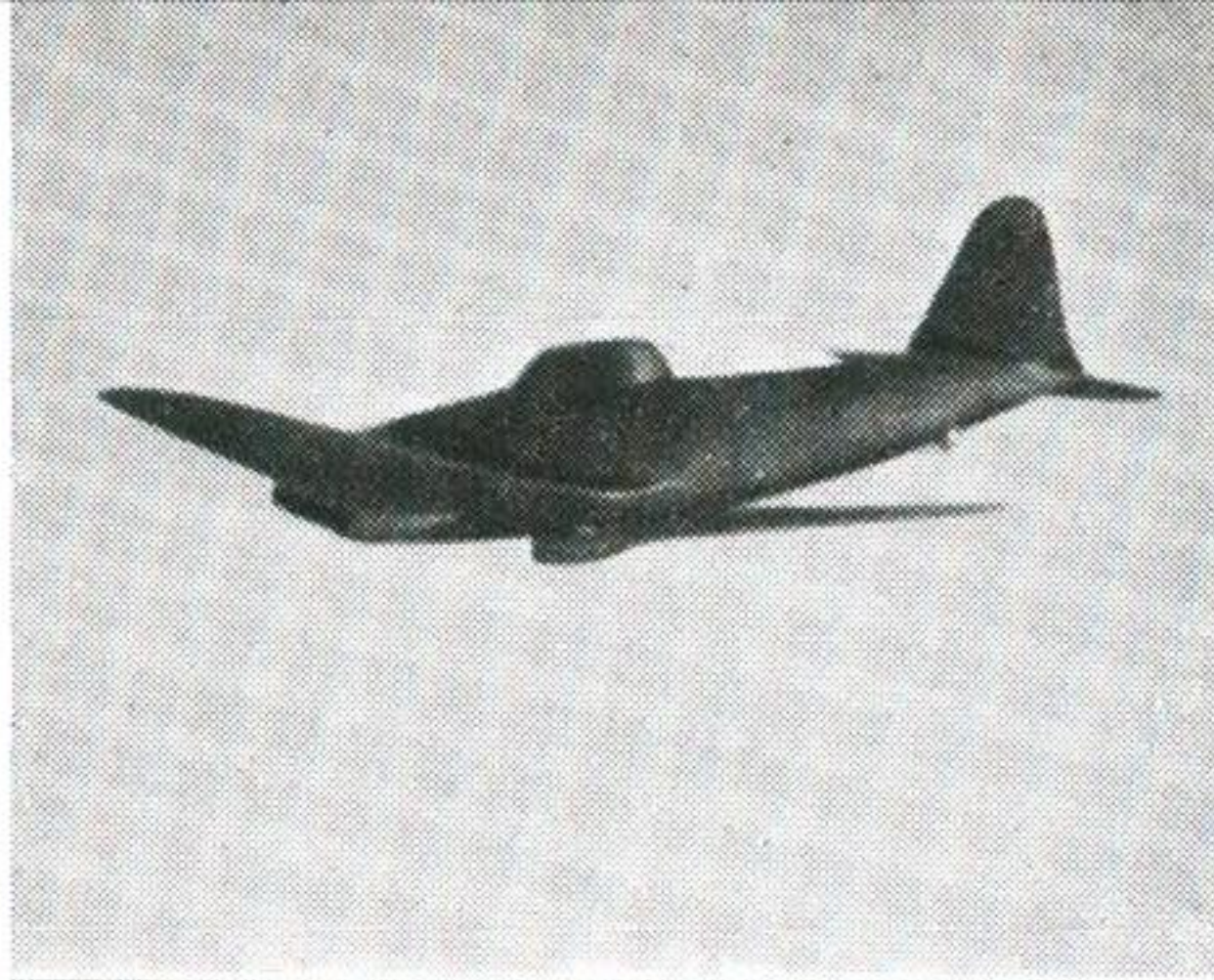
(One R.R. Griffon in-line)

Span : 44 ft. 6 in.

Length : 37 ft. 11 in.







## SINGLE (PROP) TYPES

Ilyushin

### IL-10

(One AM-42 in-line)

Span : 44 ft. 11 in.

Length : 39 ft. 3 in.



Westland

### WYVERN TF Mk. 4

(One A.S. Python turboprop)

Span : 44 ft. Length : 42 ft. 3 in.



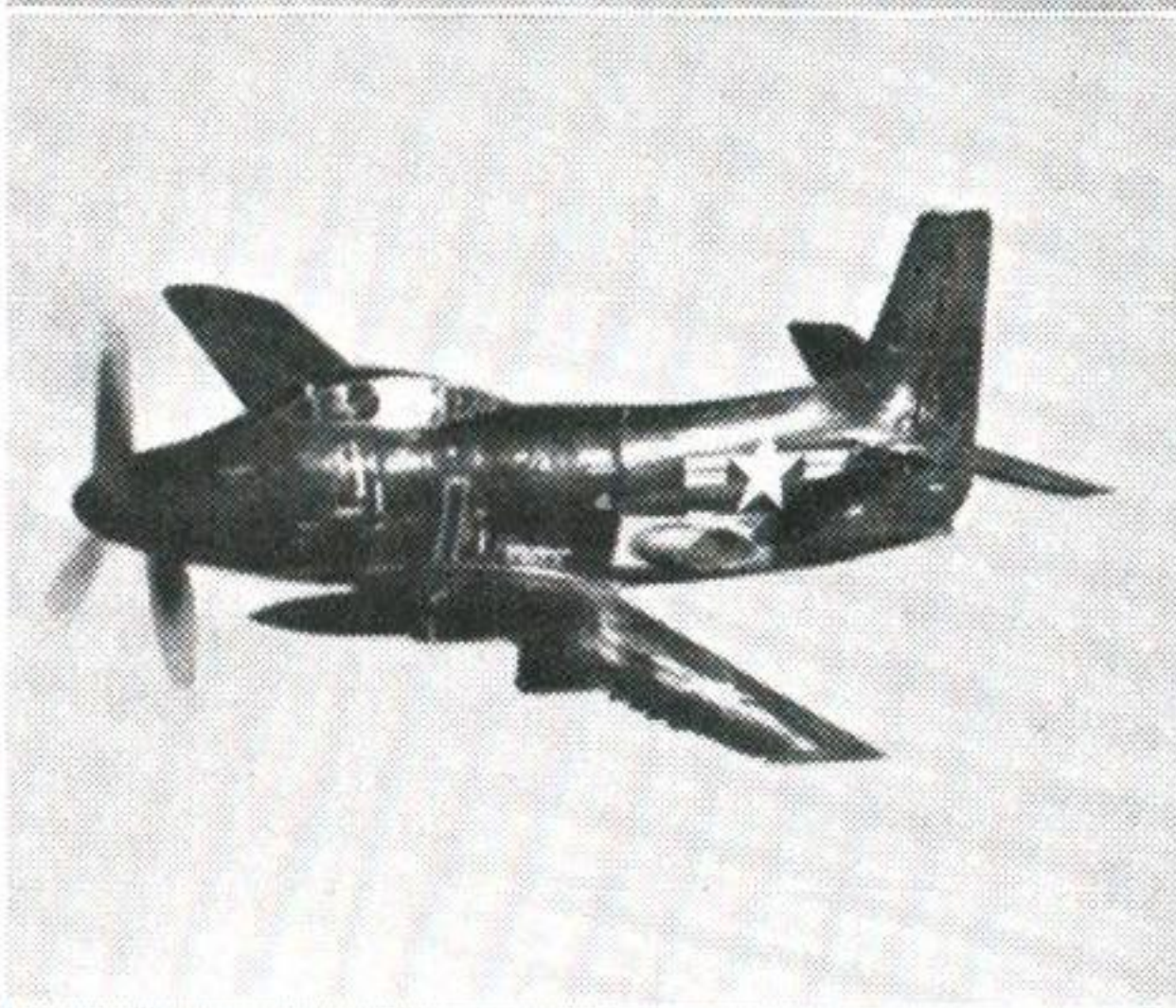
Fairey

### GANNET AS Mk. 1

(One A.S. Double-Mamba turbo-prop)

Span : 54 ft. 4 in.

Length : 43 ft. 1 in.



Douglas

### SKYSHARK

USN : A2D-1

(One Allison turboprop)

Span : 50 ft. Length : 41 ft. 6 in.



Hawker

### SEA FURY FB Mk. 11

(One Bristol Centaurus radial)

Span : 38 ft. 5 in.

Length : 34 ft. 8 in.



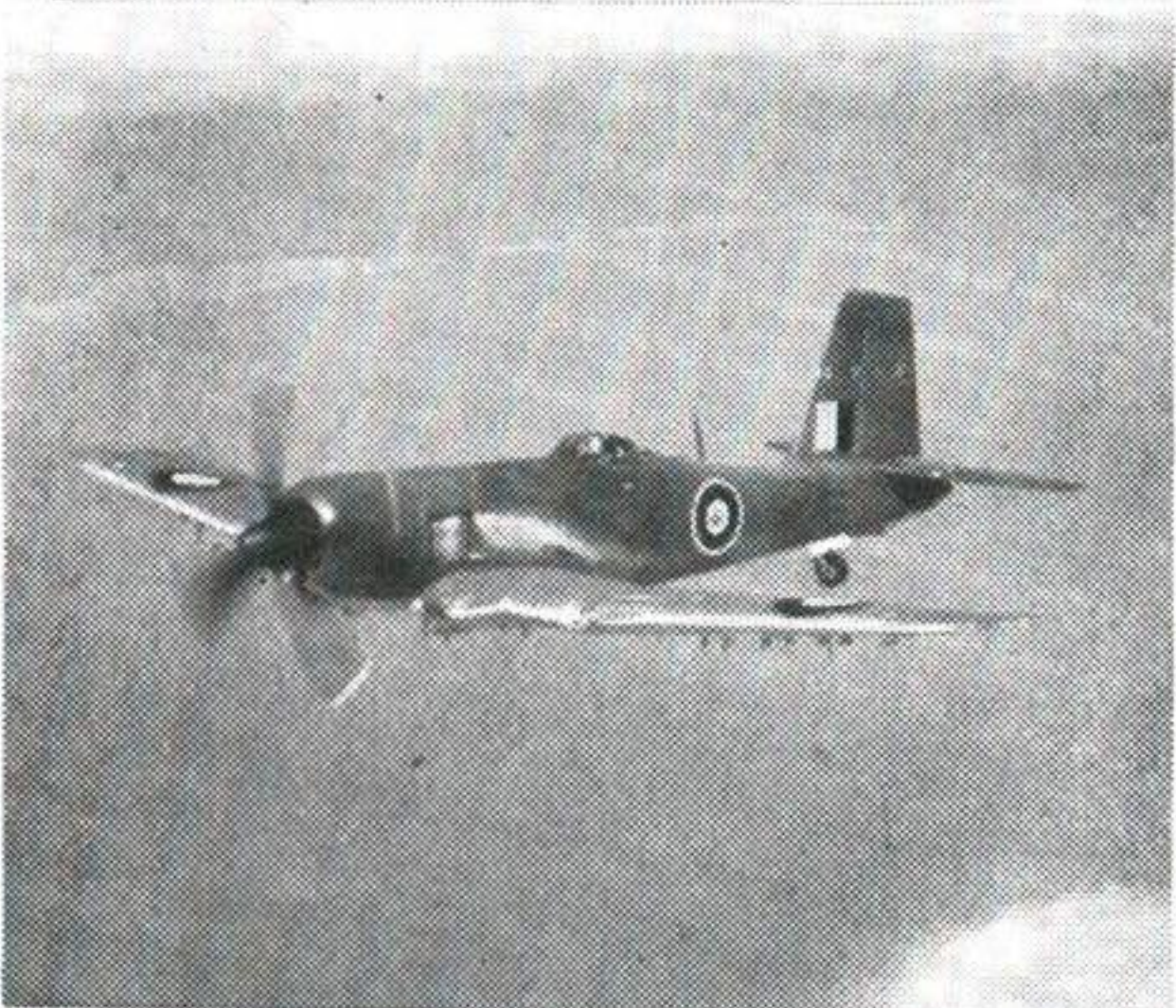
Hawker

### SEA FURY T Mk. 20

(One Bristol Centaurus radial)

Span : 38 ft. 5 in.

Length : 34 ft. 8 in.



Blackburn

### FIREBRAND TF Mk. 5

(One Bristol Centaurus radial)

Span : 51 ft. 3 in.

Length : 39 ft. 1 in.



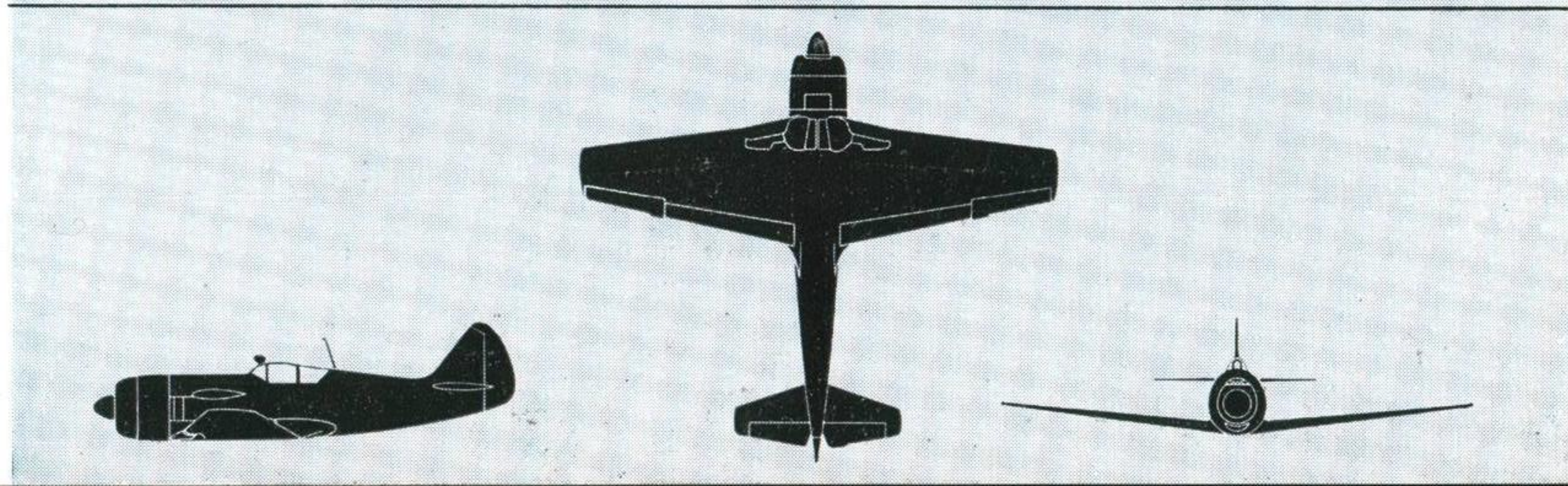
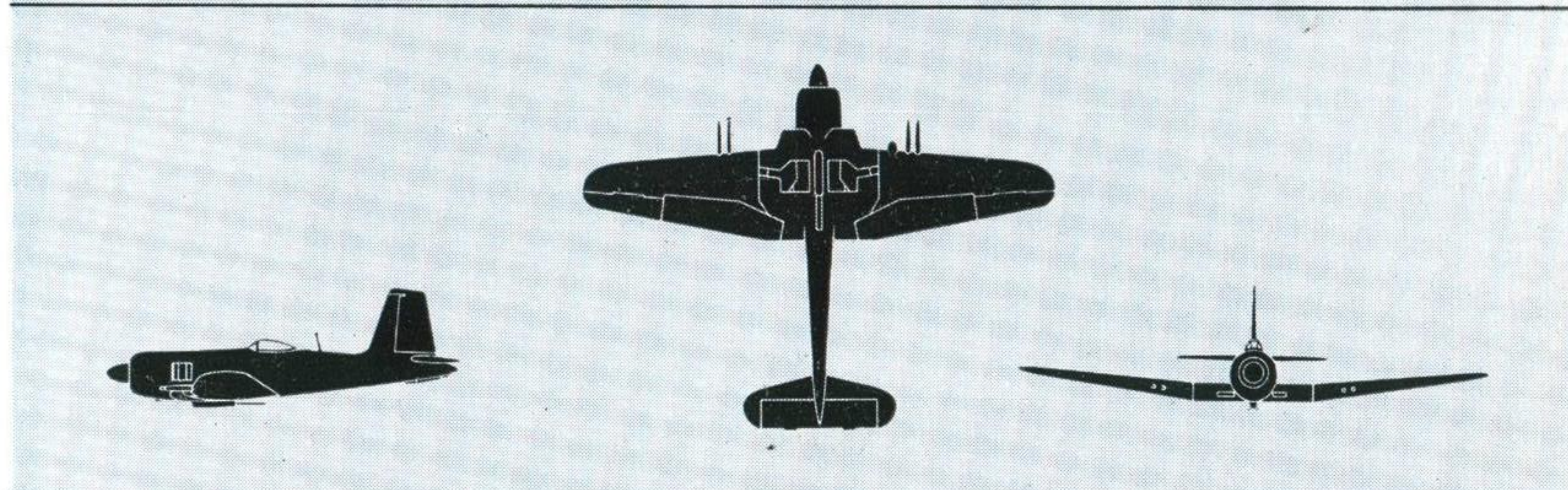
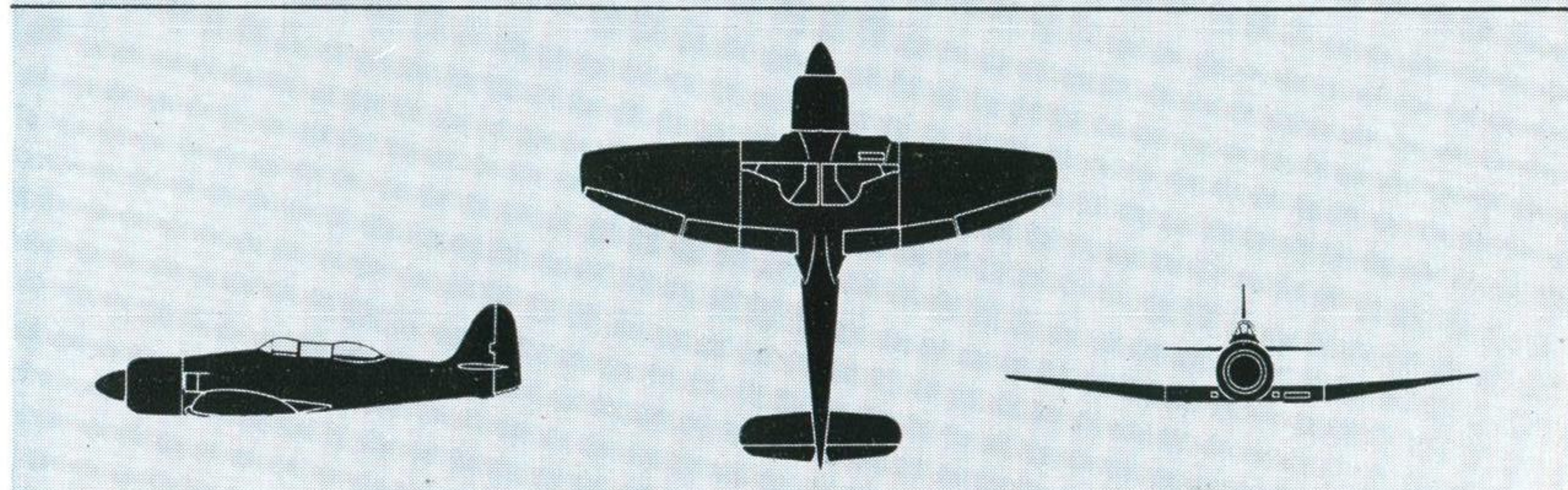
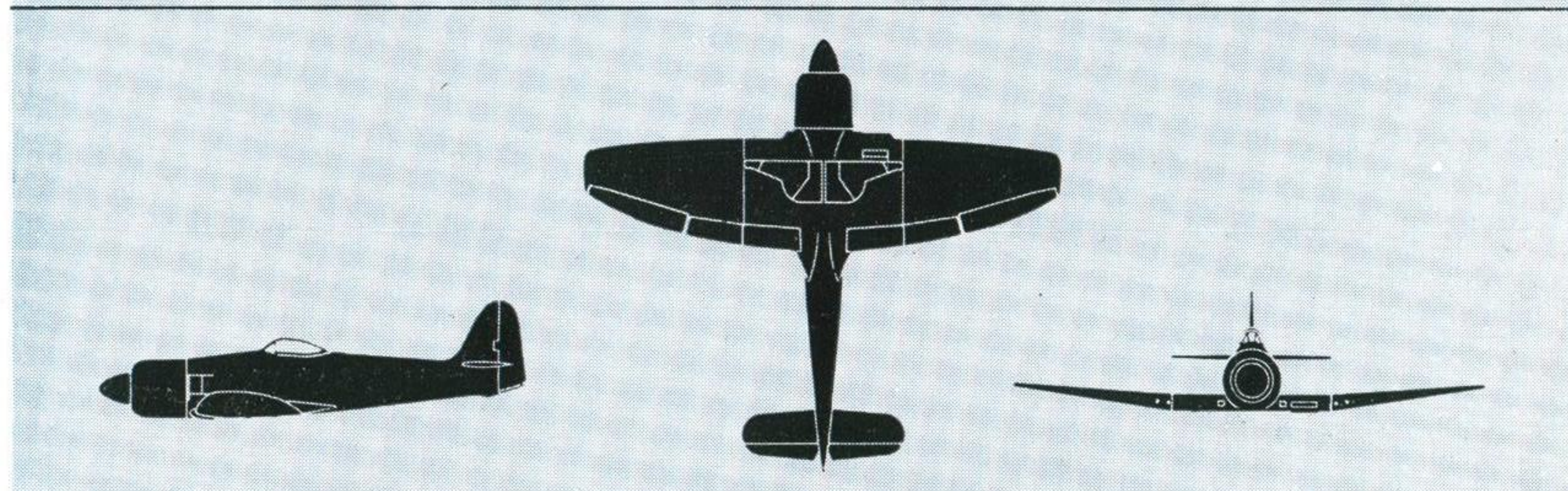
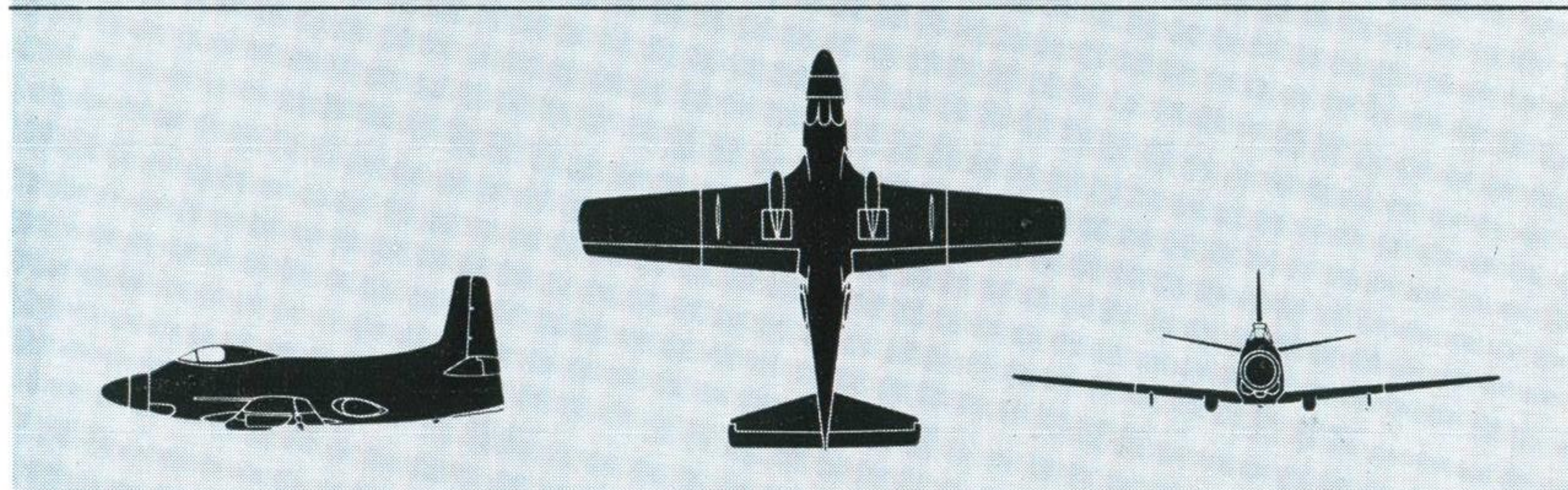
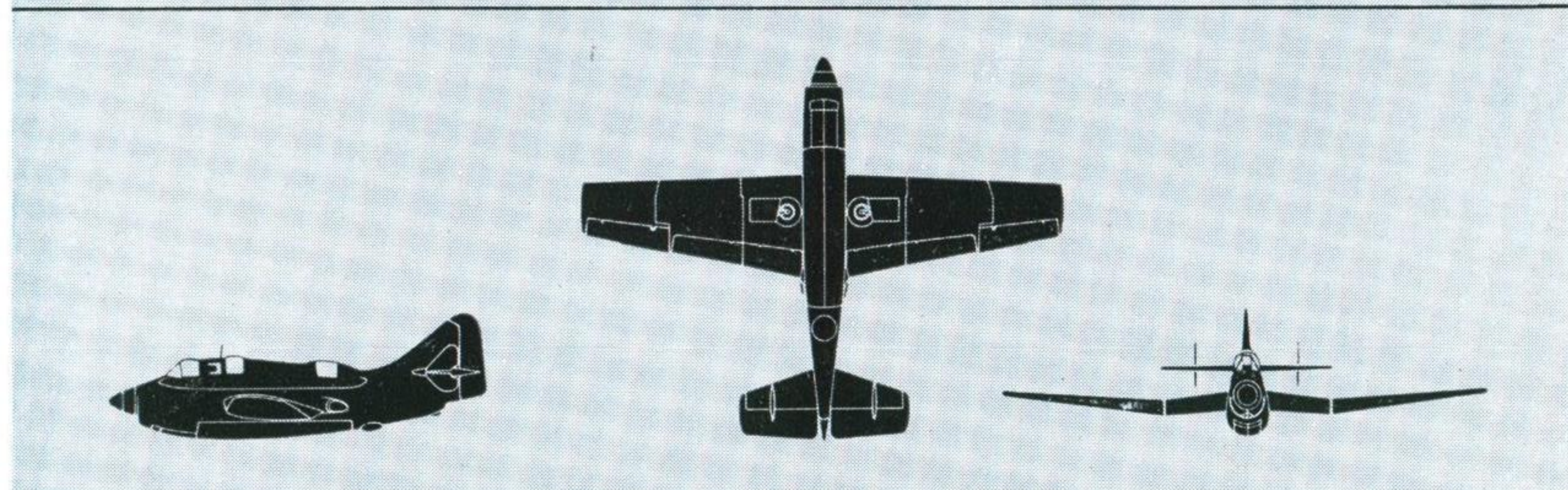
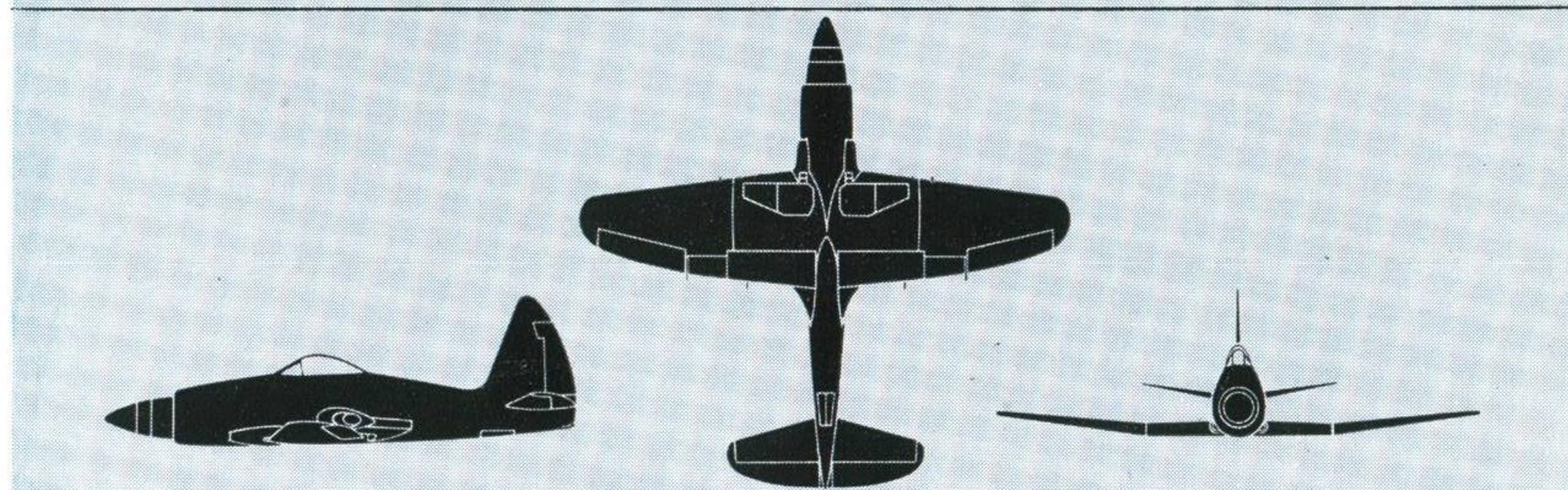
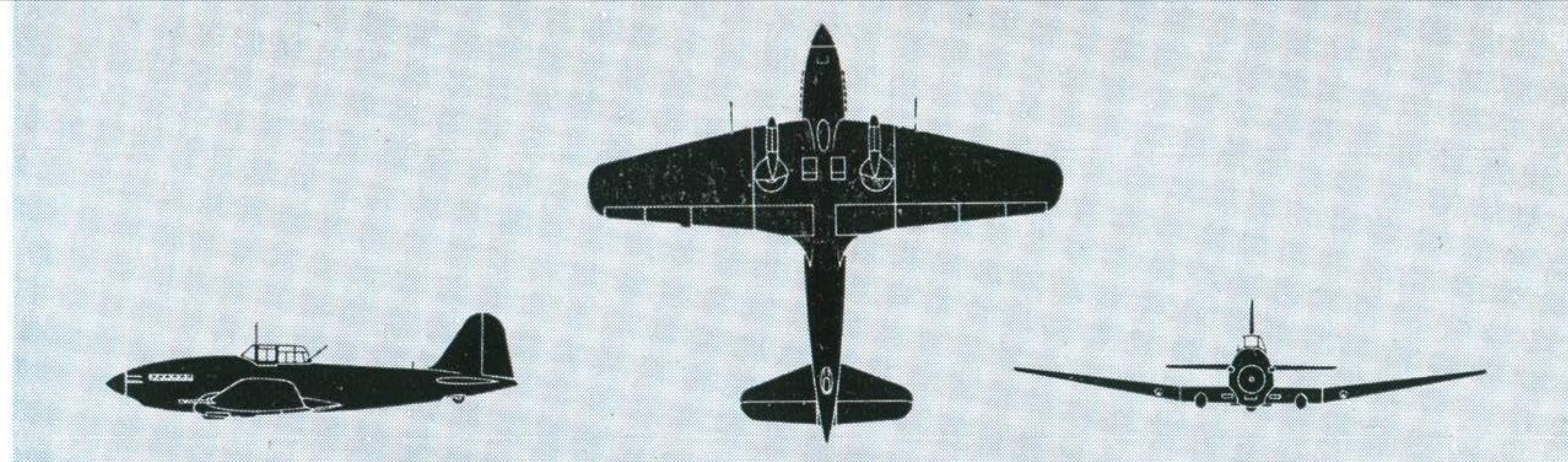
Lavochkin

### LA-11

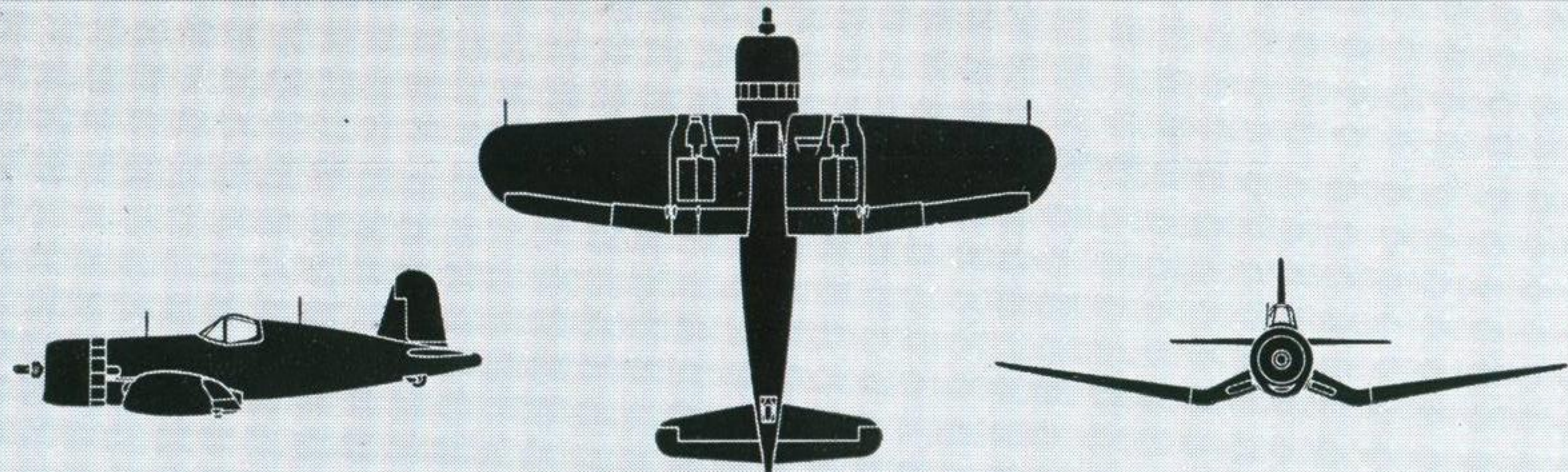
(One ASL-82 FNV radial)

Span : 32 ft. 7 in.

Length : 28 ft. 6 in.







## SINGLE (PROP) TYPES

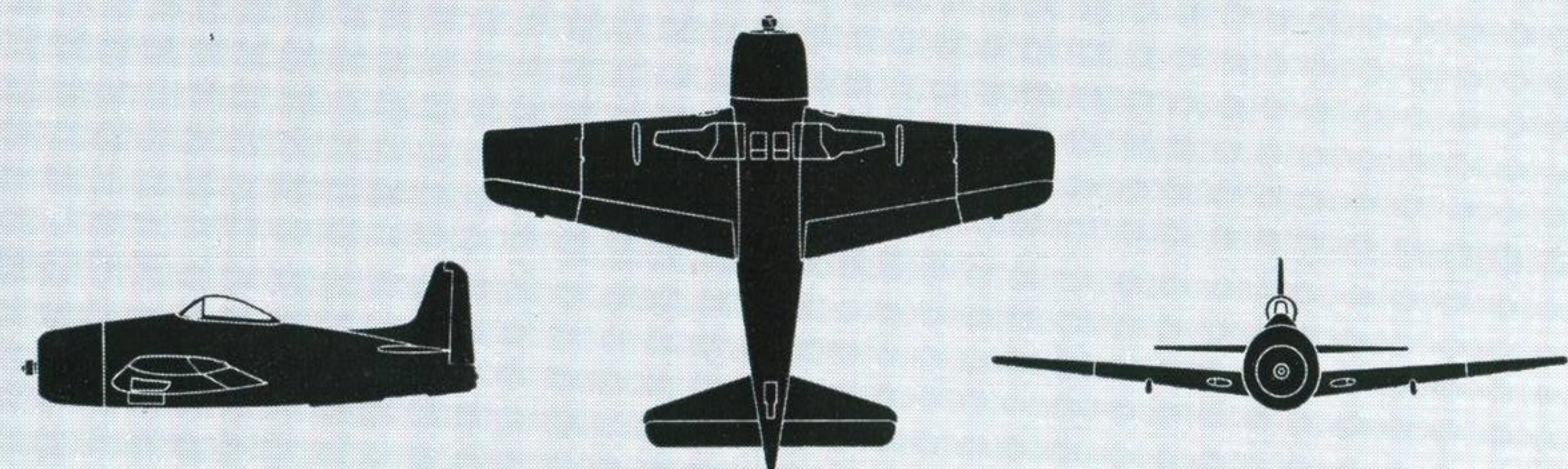
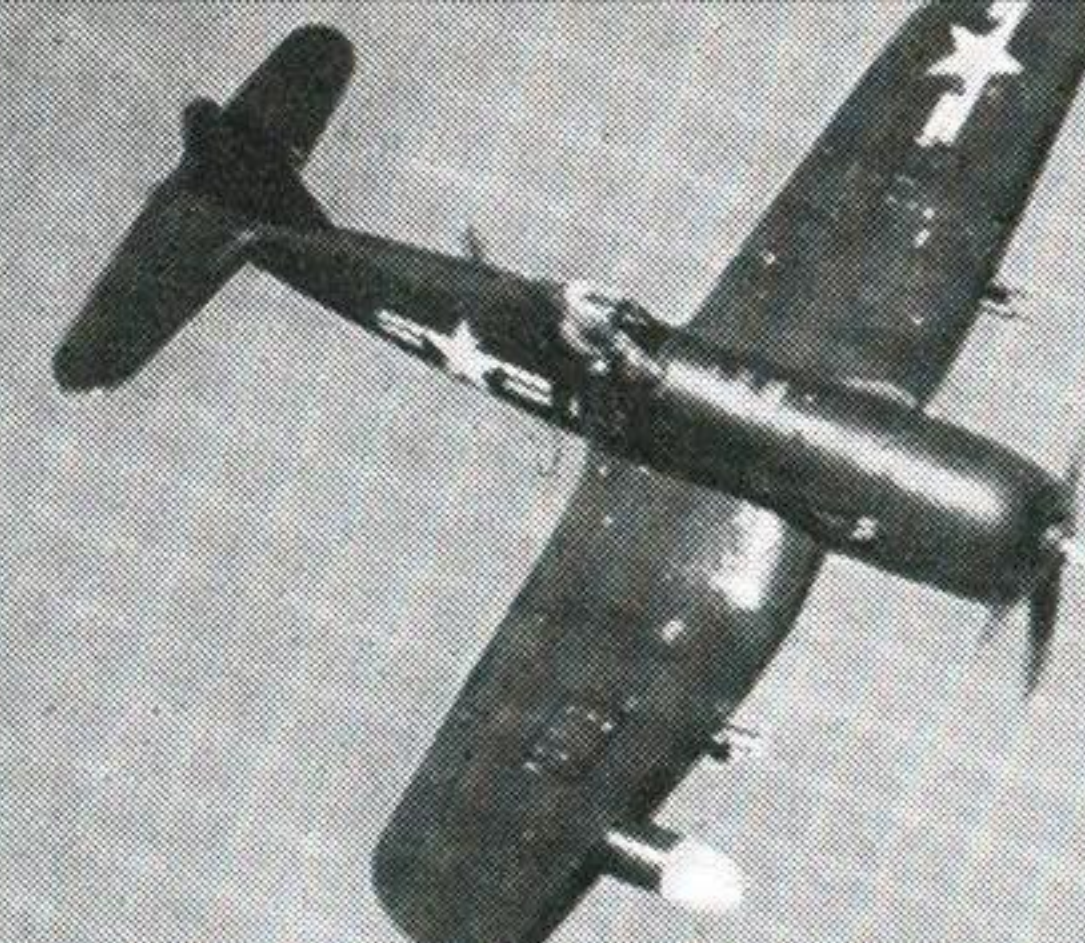
Vought

### CORSAIR

USN : F4U-4

(One P & W Double Wasp radial)

Span : 41 ft. Length : 33 ft. 8 in.



Grumman

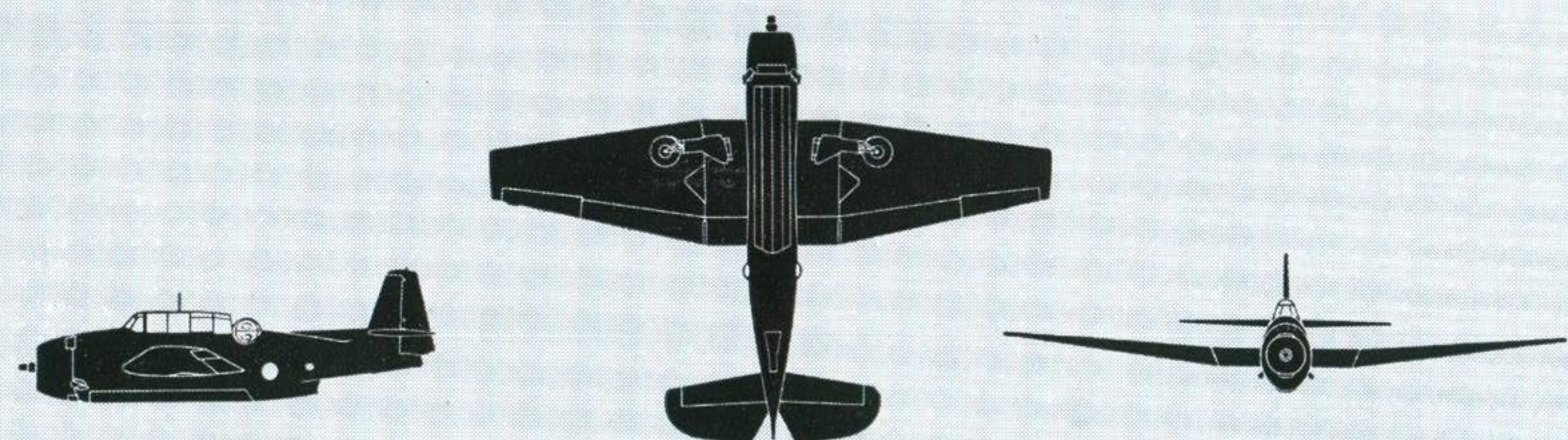
### BEARCAT

USN : F8F-1

(One P & W Double Wasp radial)

Span : 35 ft. 6 in.

Length : 28 ft. 8 in.



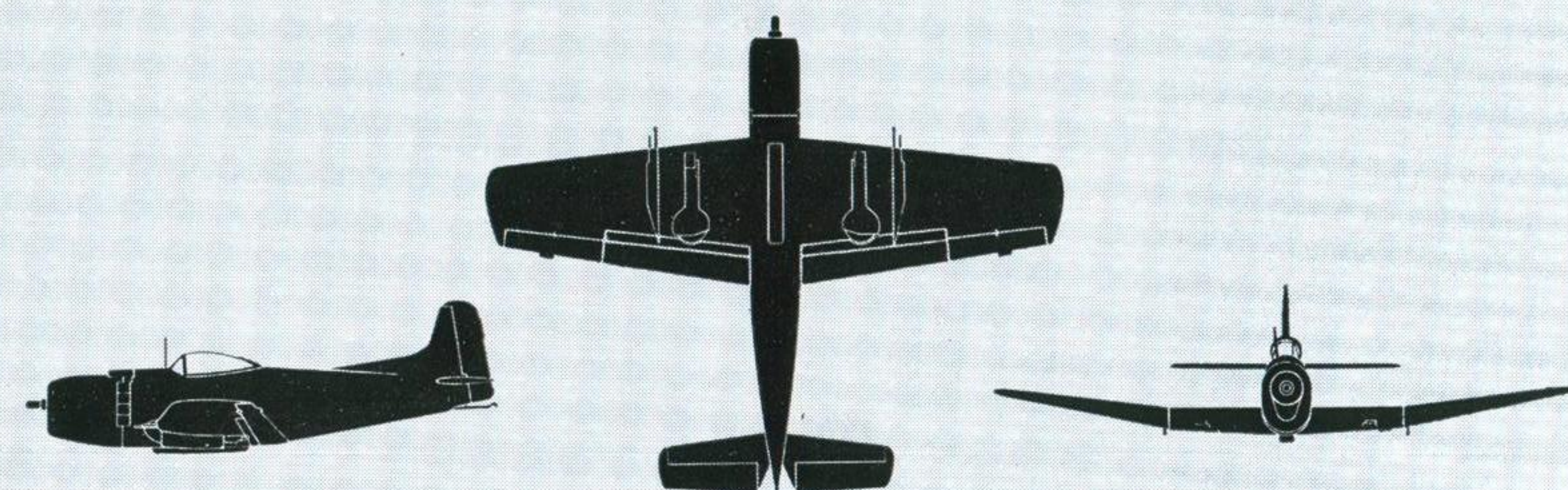
Grumman

### AVENGER

USN : TBM-3

(One Wright Cyclone radial)

Span : 54 ft. 2 in. Length : 41 ft.



Martin

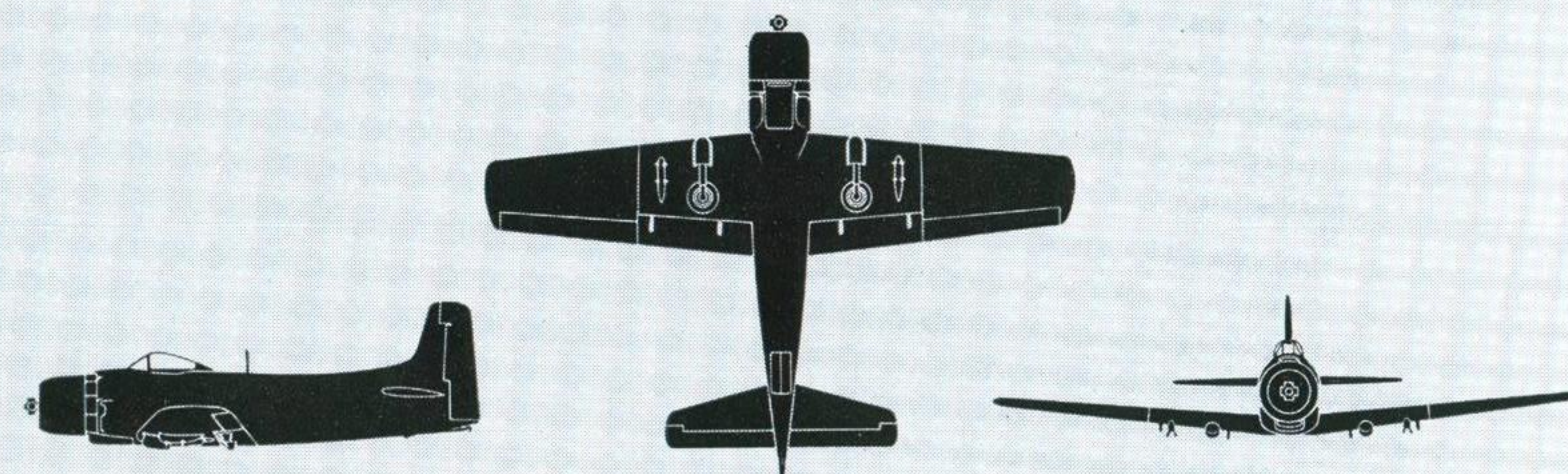
### MAULER

USN : AM-1

(One P & W Wasp Major radial)

Span : 50 ft. 1 in.

Length : 41 ft. 6 in.



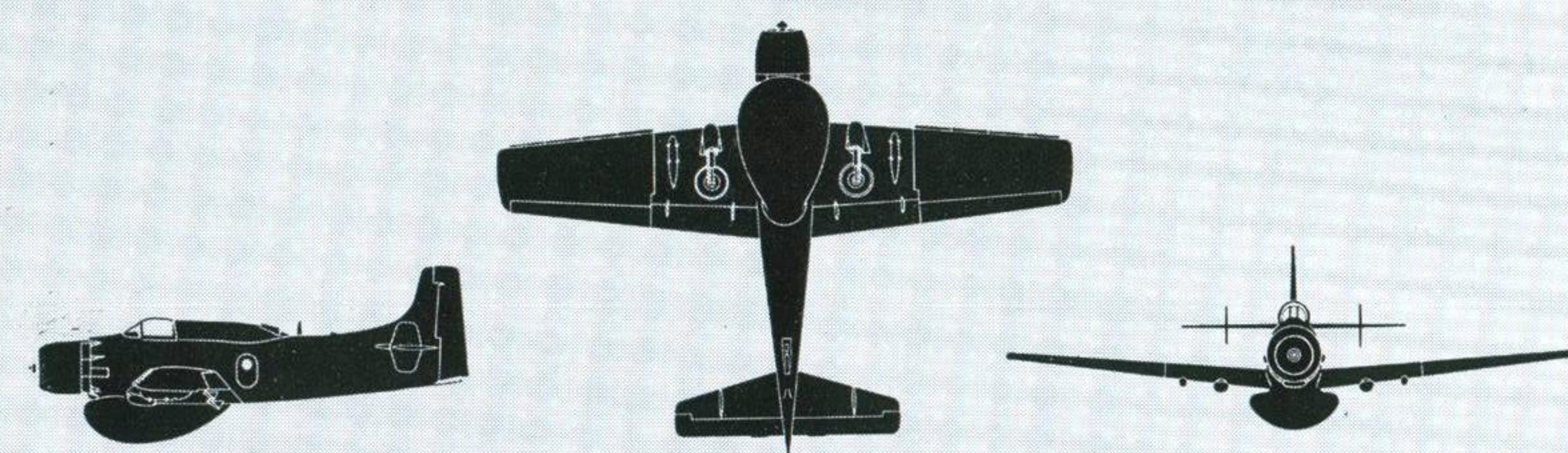
Douglas

### SKYRAIDER

USN : AD-4

(One Wright Cyclone radial)

Span : 50 ft. Length : 38 ft. 4 in.



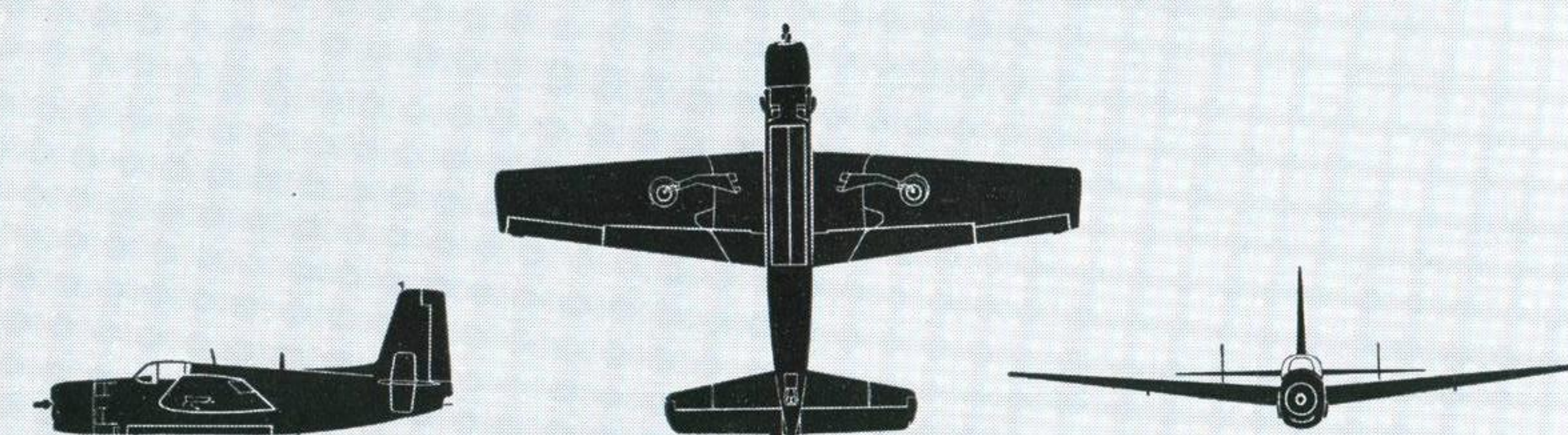
Douglas

### SKYRAIDER

USN : AD-4W

(One Wright Cyclone radial)

Span : 50 ft. Length : 38 ft. 6 in.



Grumman

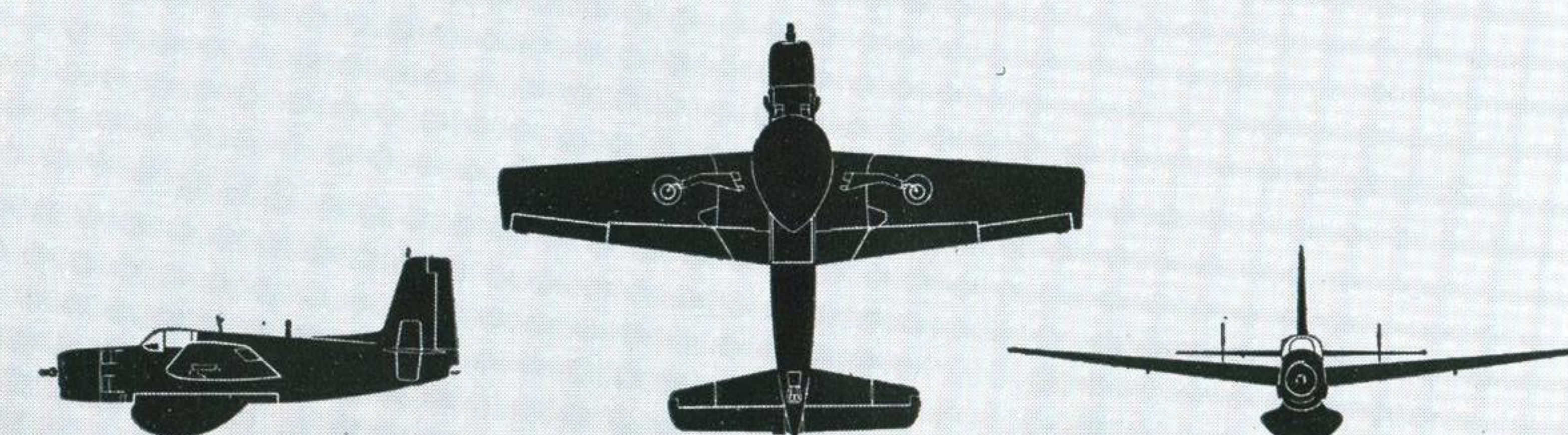
### GUARDIAN

USN : AF-2S

(One P & W Double Wasp radial)

Span : 60 ft. 8 in.

Length : 43 ft. 4 in.



Grumman

### GUARDIAN

USN : AF-2W

(One P & W Double Wasp radial)

Span : 60 ft. 8 in.

Length : 43 ft. 4 in.





## BOOM TYPES

De Havilland  
**VAMPIRE FB Mk. 5**  
 (One D.H. Goblin turbojet)  
 Span : 38 ft. Length : 30 ft. 9 in.

De Havilland  
**VAMPIRE NF Mk. 10**  
 (One D.H. Goblin turbojet)  
 Span : 38 ft. Length : 34 ft. 7 in.

De Havilland  
**VAMPIRE T Mk. 11**  
 (One D.H. Goblin turbojet)  
 Span : 38 ft. Length : 34 ft. 6 in.

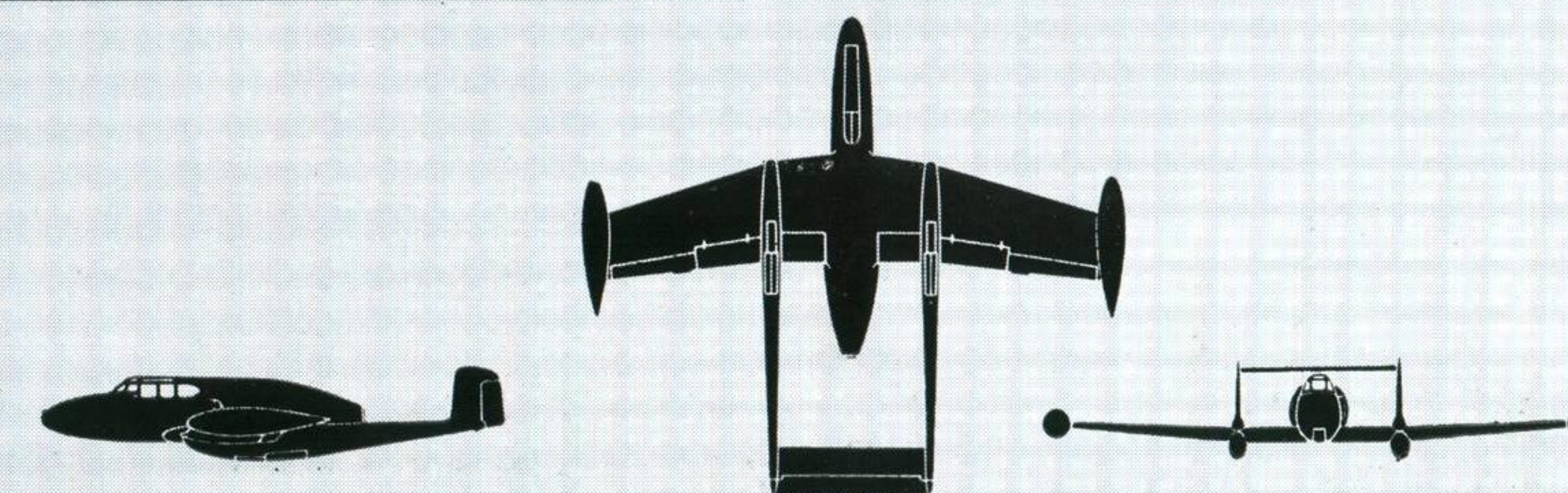
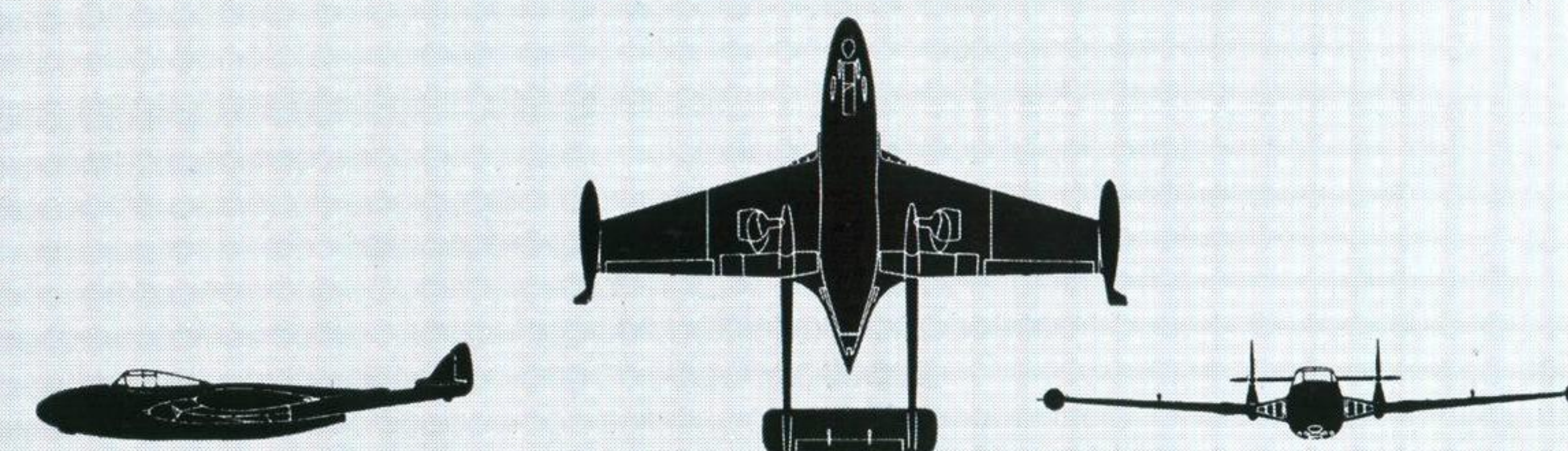
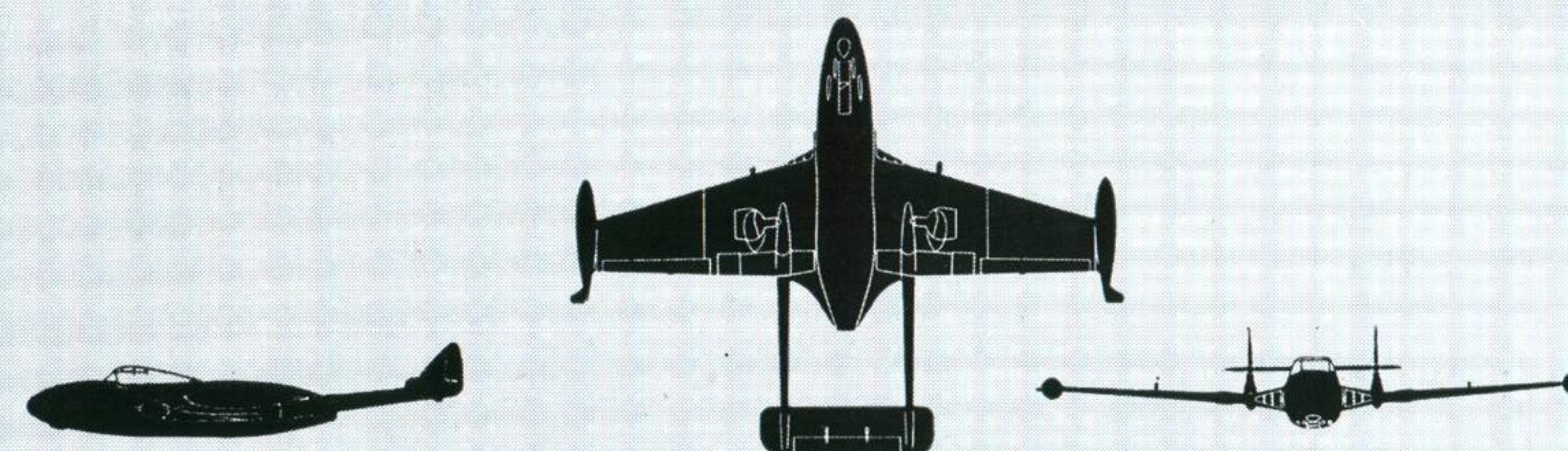
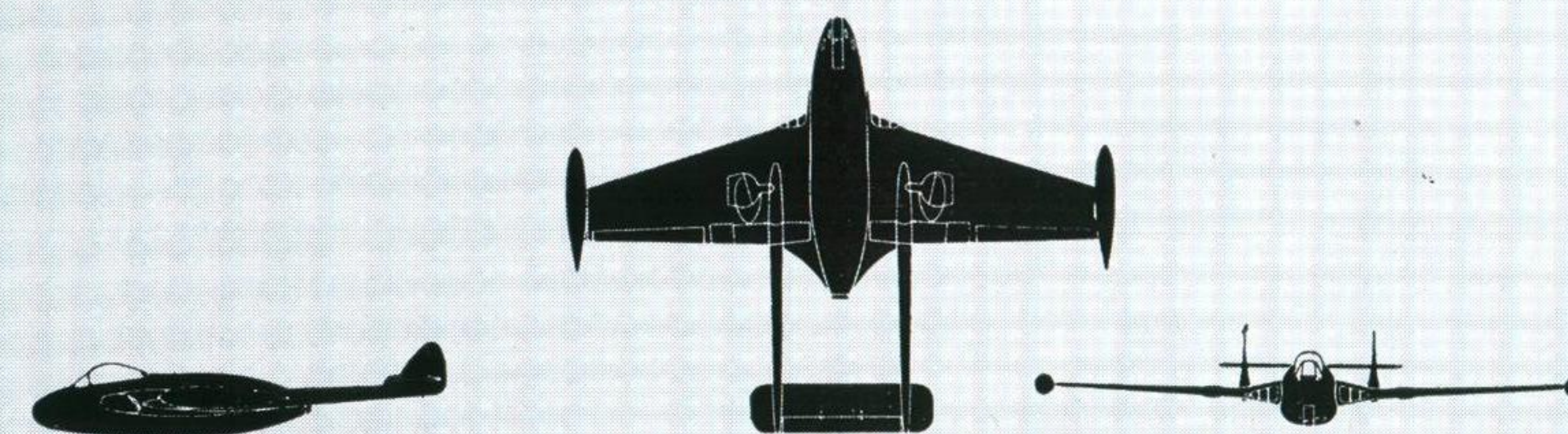
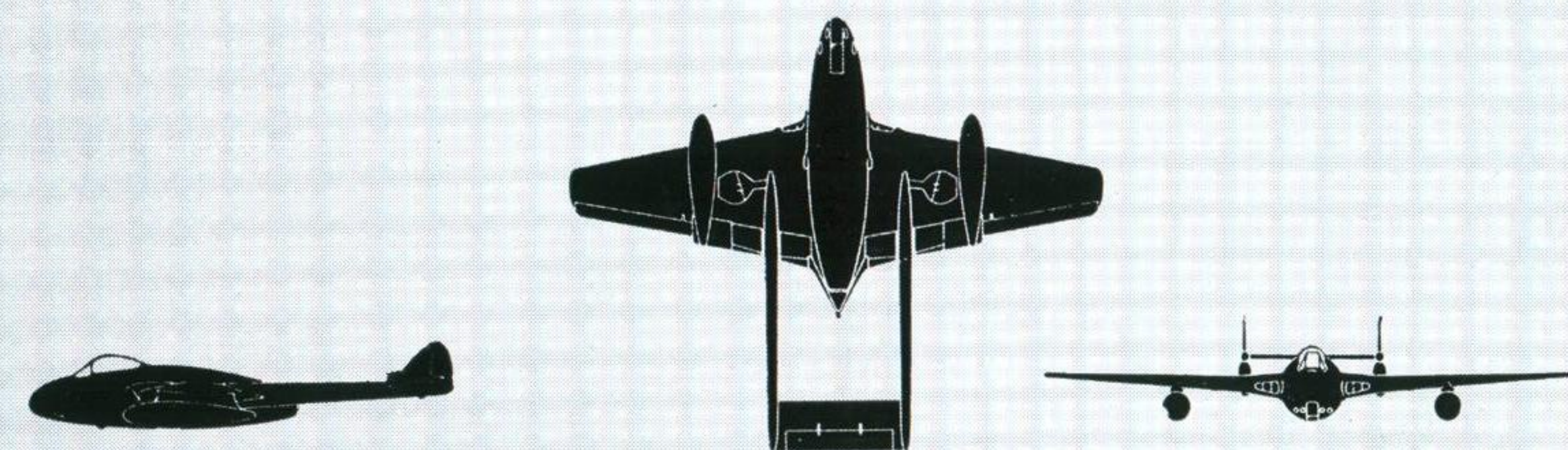
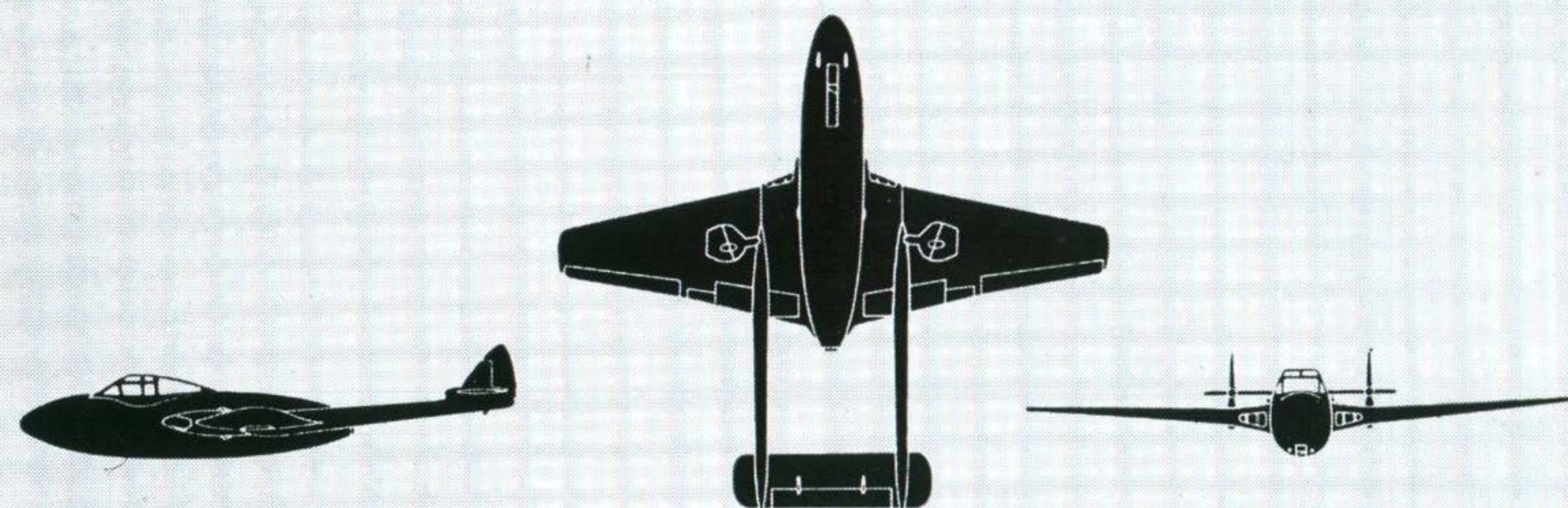
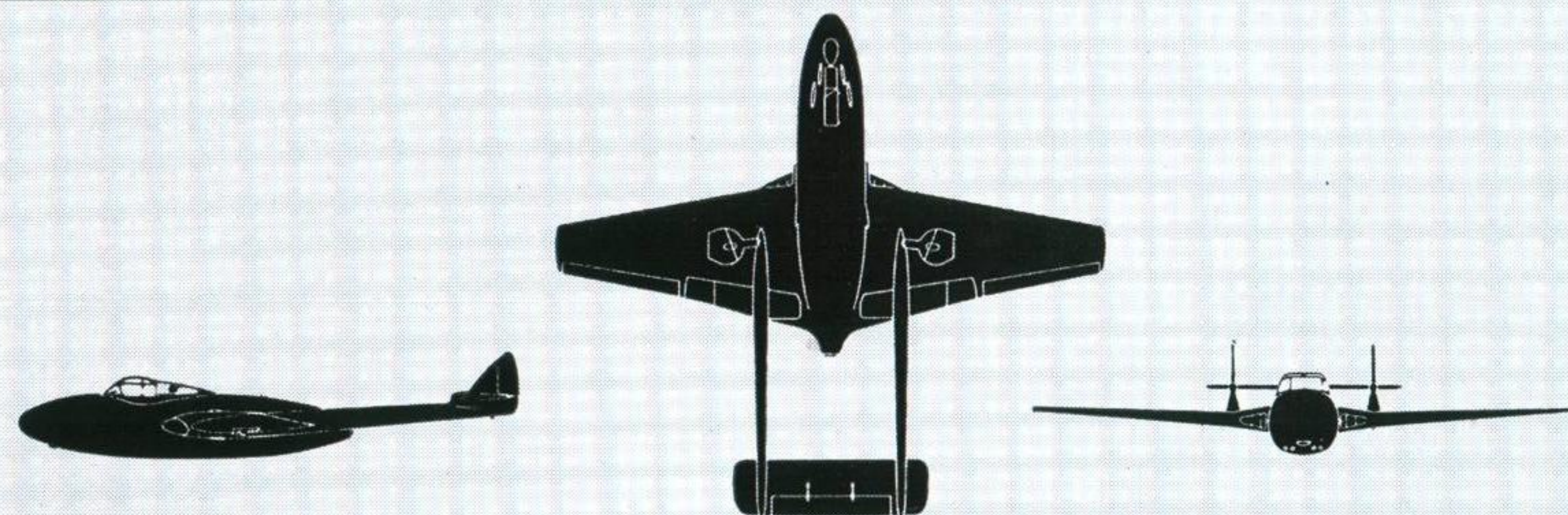
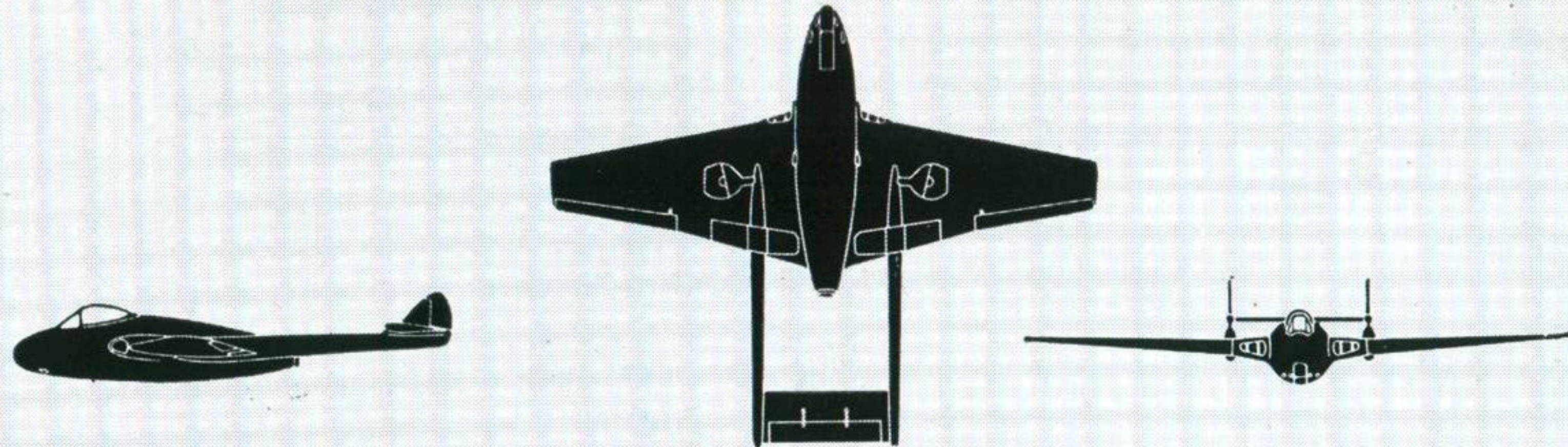
De Havilland  
**SEA VAMPIRE F Mk. 20**  
 (One D.H. Goblin turbojet)  
 Span : 38 ft. 4 in.  
 Length : 30 ft. 9 in.

De Havilland  
**VENOM FB Mk. 1**  
 (One D.H. Ghost turbojet)  
 Span : 41 ft. 9 in.  
 Length : 31 ft. 5 in.

De Havilland  
**VENOM NF Mk. 2**  
 (One D.H. Ghost turbojet)  
 Span : 41 ft. 9 in.  
 Length : 34 ft. 7 in.

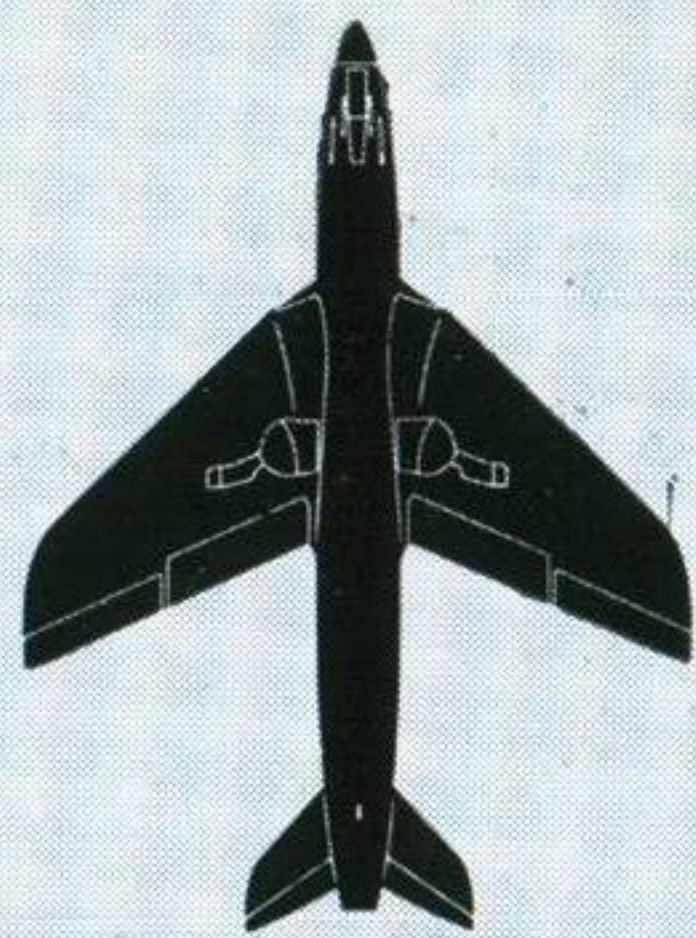
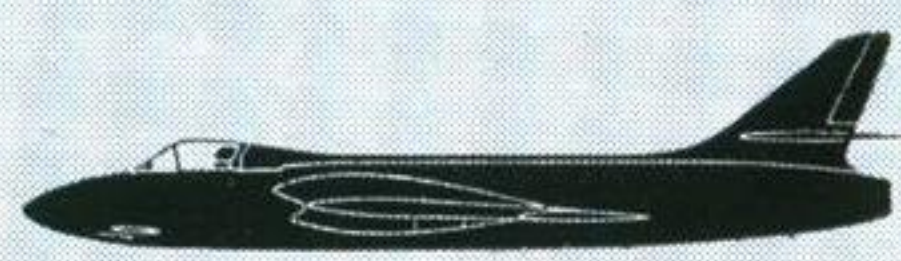
De Havilland  
**SEA VENOM NF Mk. 20**  
 (One D.H. Ghost turbojet)  
 Span : 41 ft. 9 in.  
 Length : 34 ft. 7 in.

Saab  
**J-21R**  
 (One D.H. Goblin turbojet)  
 Span : 37 ft. 3 in.  
 Length : 33 ft. 2 in.





## SINGLE (JET) TYPES (SWEEP)



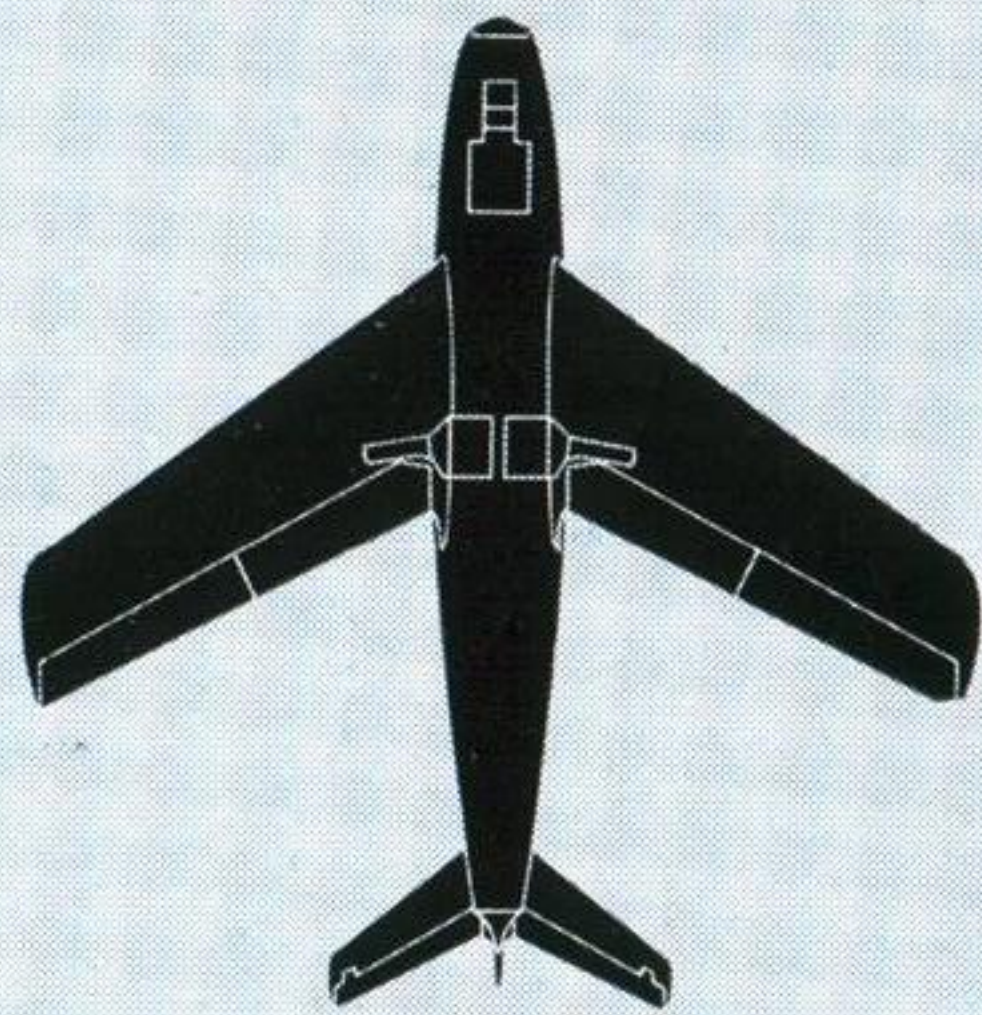
Hawker

### HUNTER

(One R.R. Avon turbojet)

Span : 33 ft. 8 in.

Length : 45 ft. 3 in



North American

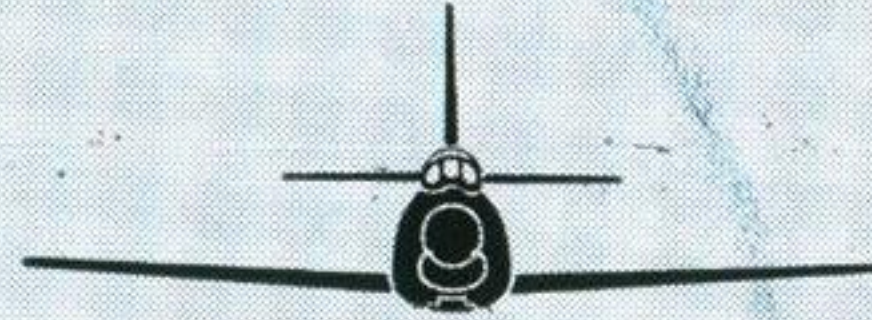
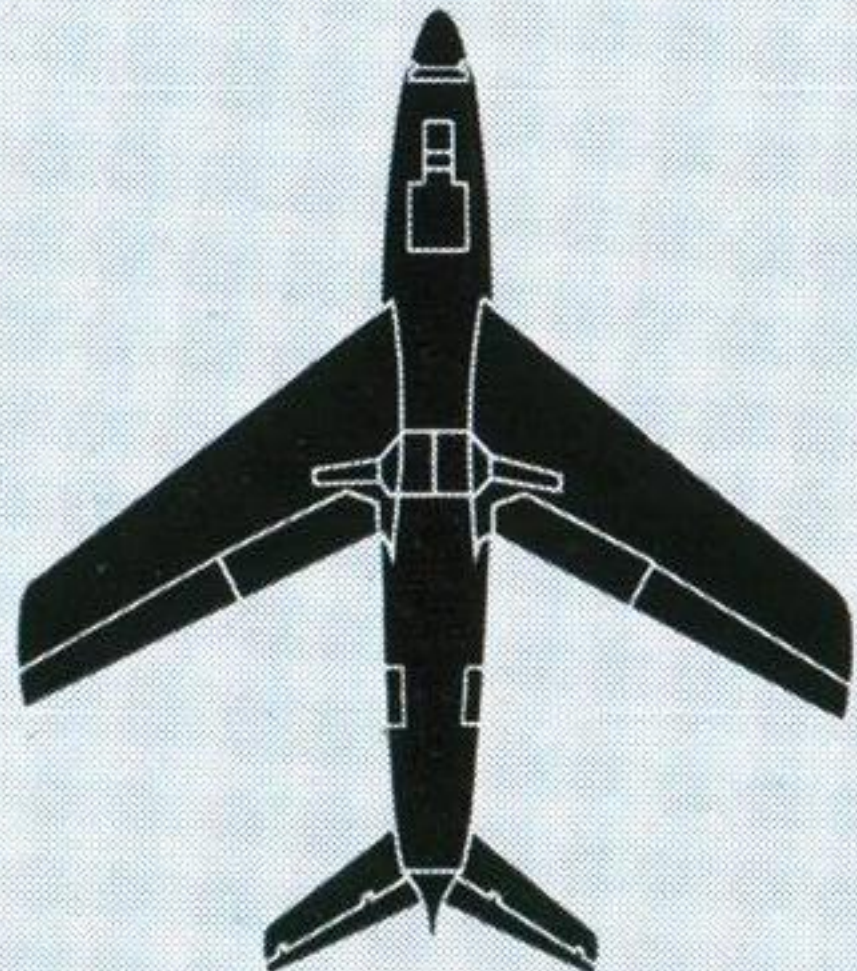
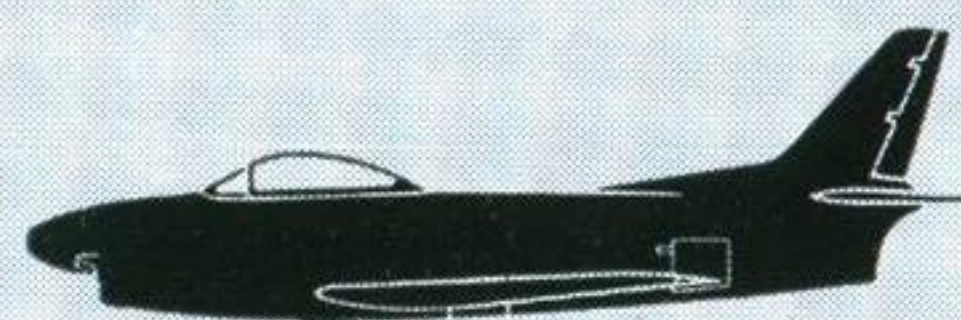
### SABRE

USAF : F-86A

(One G.E. turbojet)

Span : 37 ft. 1 in.

Length : 37 ft. 6 in.



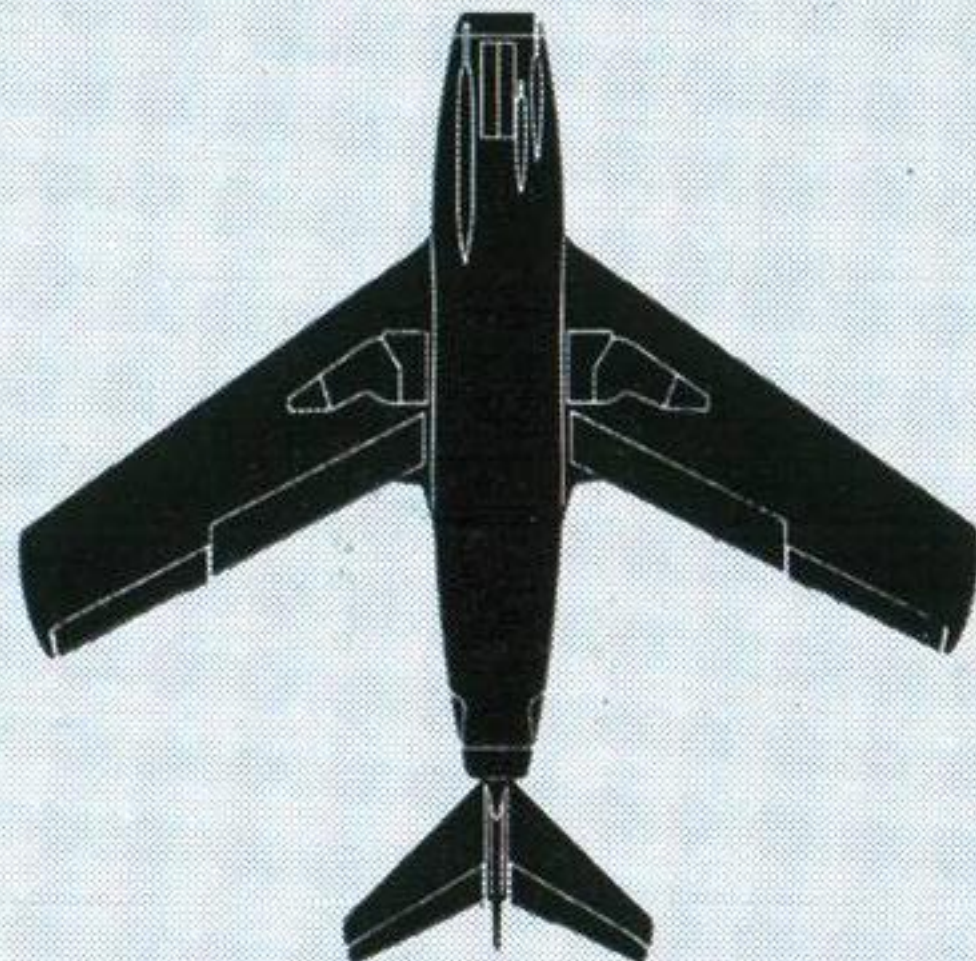
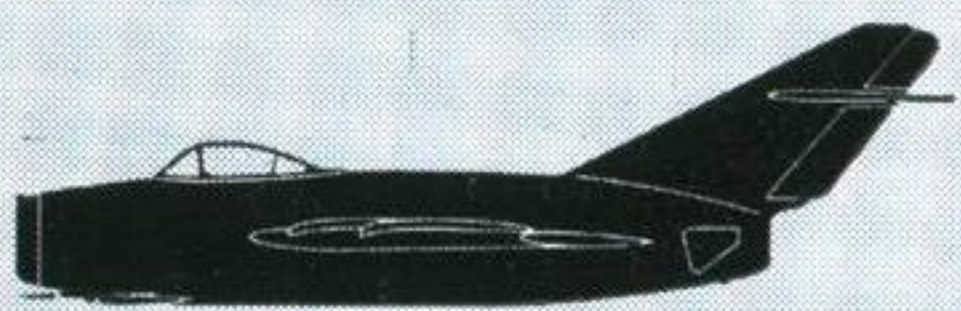
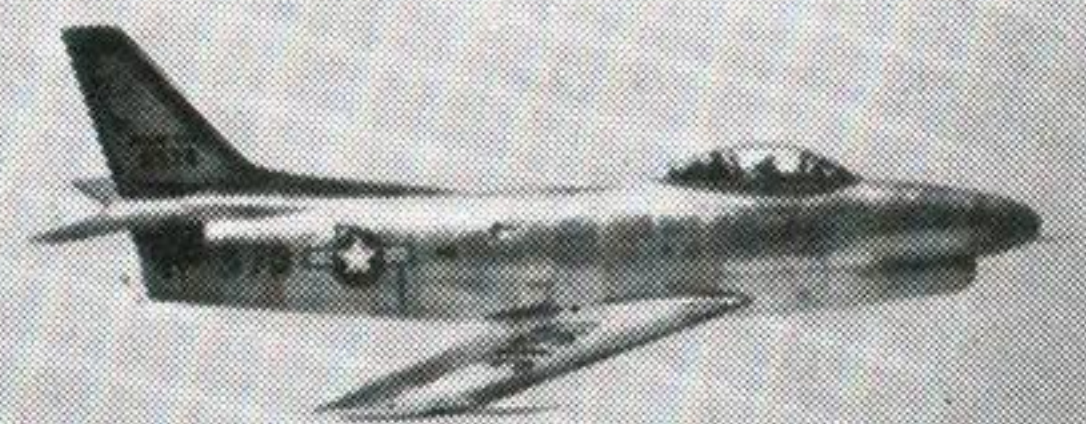
North American

### SABRE

USAF : F-86D

(One G.E. turbojet)

Span : 37 ft. 1 in. Length : 41 ft.



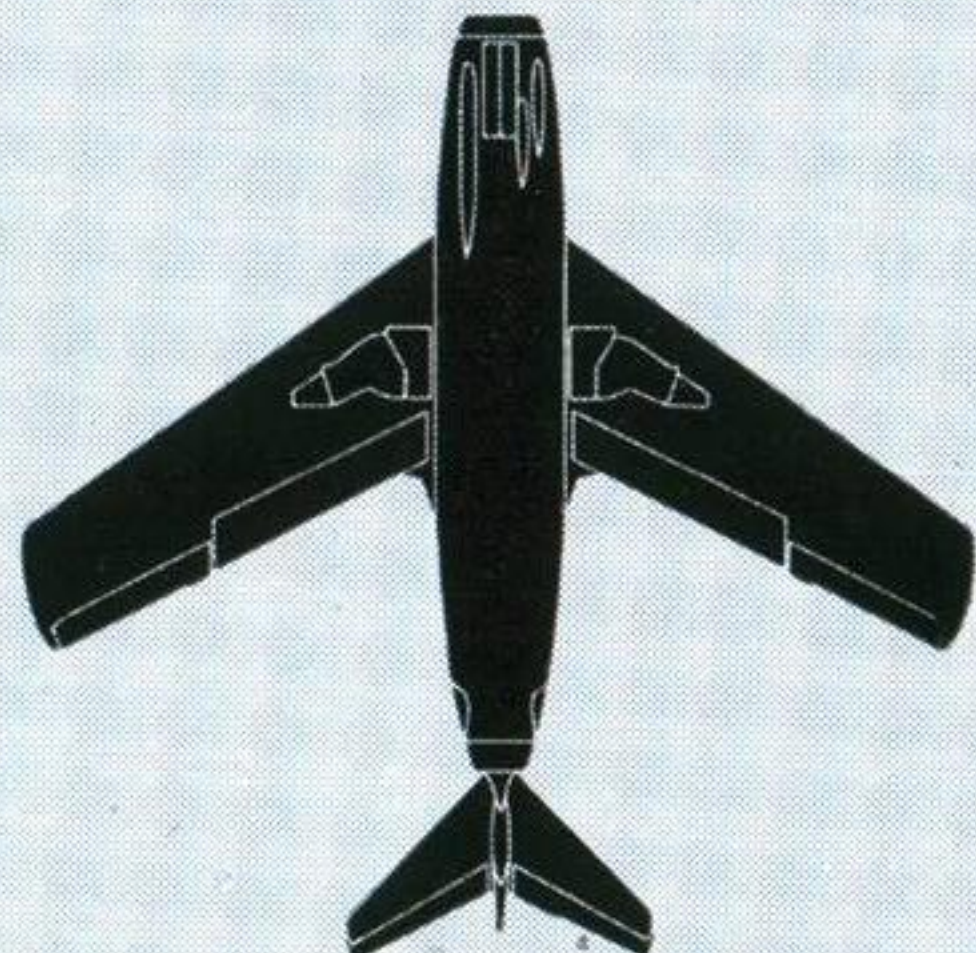
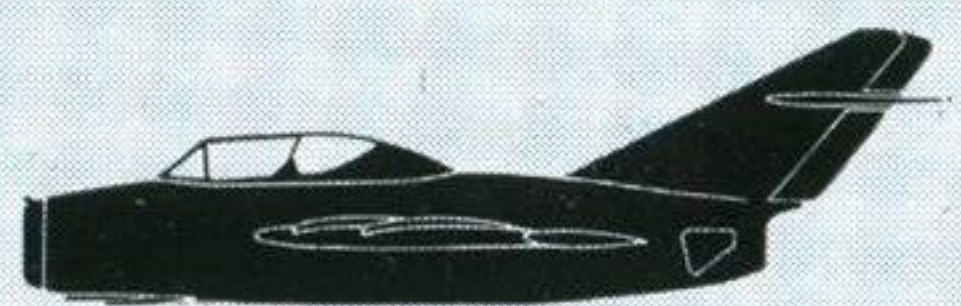
Mikoyan

### MIG-15

(One Soviet-built Nene turbojet)

Span : 33 ft.

Length : 36 ft.



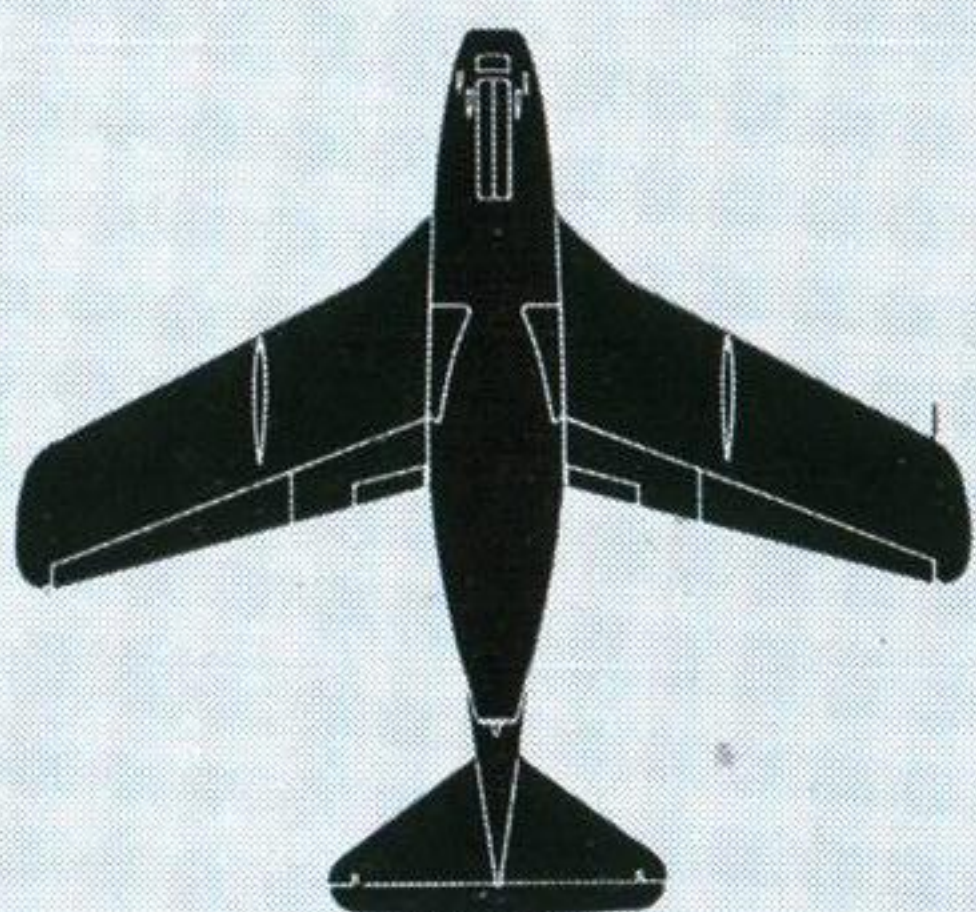
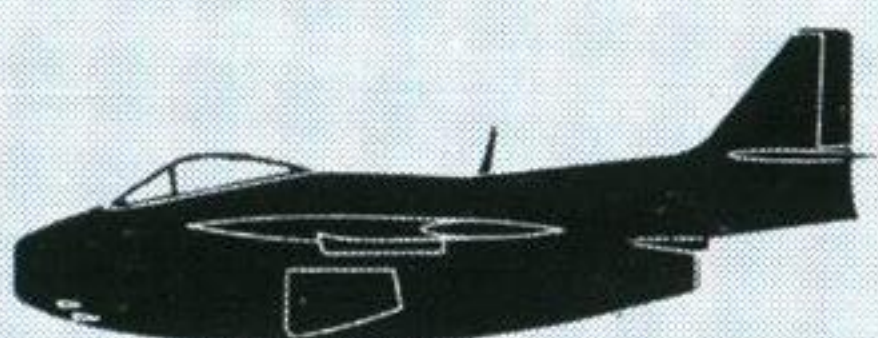
Mikoyan

### U-MIG-15

(One Soviet-built Nene turbojet)

Span : 33 ft. 1 in.

Length : 36 ft. 4 in.



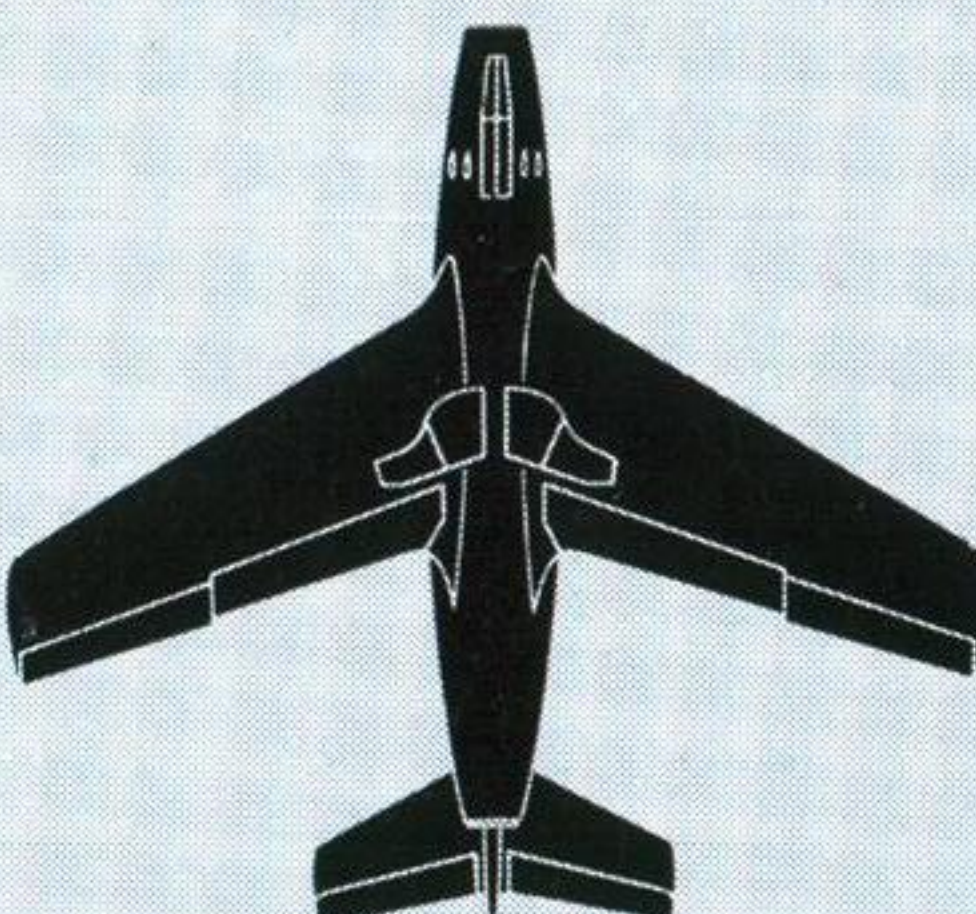
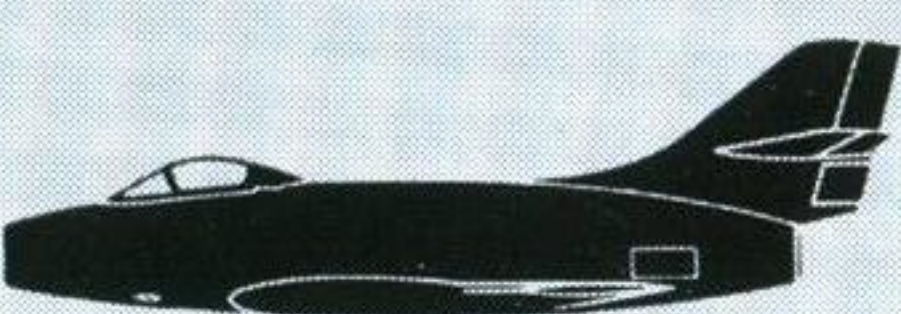
Saab

### J-29

(One D.H. Ghost turbojet)

Span : 36 ft. 1 in.

Length : 33 ft. 2 in.



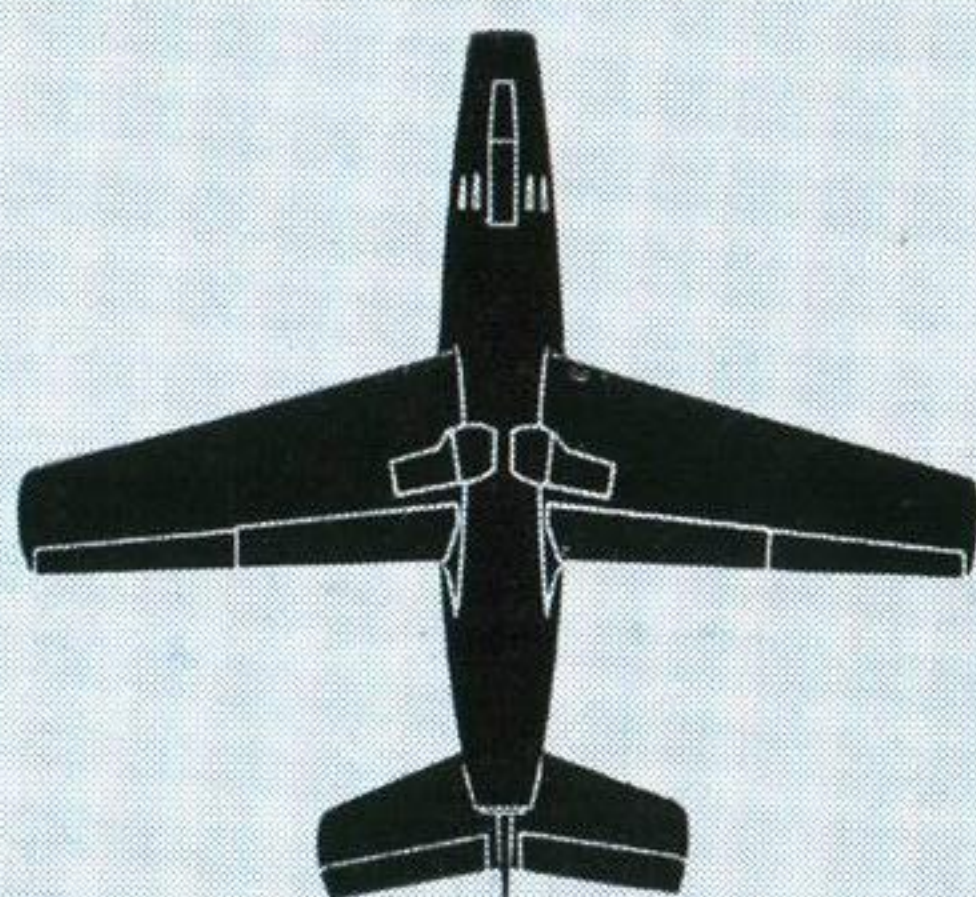
Dassault

### MYSTERE

(One Hispano Nene turbojet)

Span : 38 ft. 6 in. (app.)

Length : 35 ft. (app)



Dassault

### OURAGAN

(One Hispano Nene turbojet)

Span : 39 ft. 1 in. Length : 35 ft.

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## SINGLE (JET) TYPES

Supermarine

### ATTACKER F Mk. 1

(One R.R. Nene turbojet)

Span : 36 ft. 11 in.

Length : 37 ft. 6 in.



Hawker

### SEA HAWK F Mk. 1

(One R.R. Nene turbojet)

Span : 39 ft. Length : 40 ft.



Republic

### THUNDERJET

USAF : F-84E

(One Allison turbojet)

Span : 37 ft. 6 in.

Length : 37 ft. 9 in.



McDonnell

### BANSHEE

USN : F2H-2

(Two Westinghouse turbojets)

Span : 41 ft. 7 in.

Length : 40 ft. 2 in.



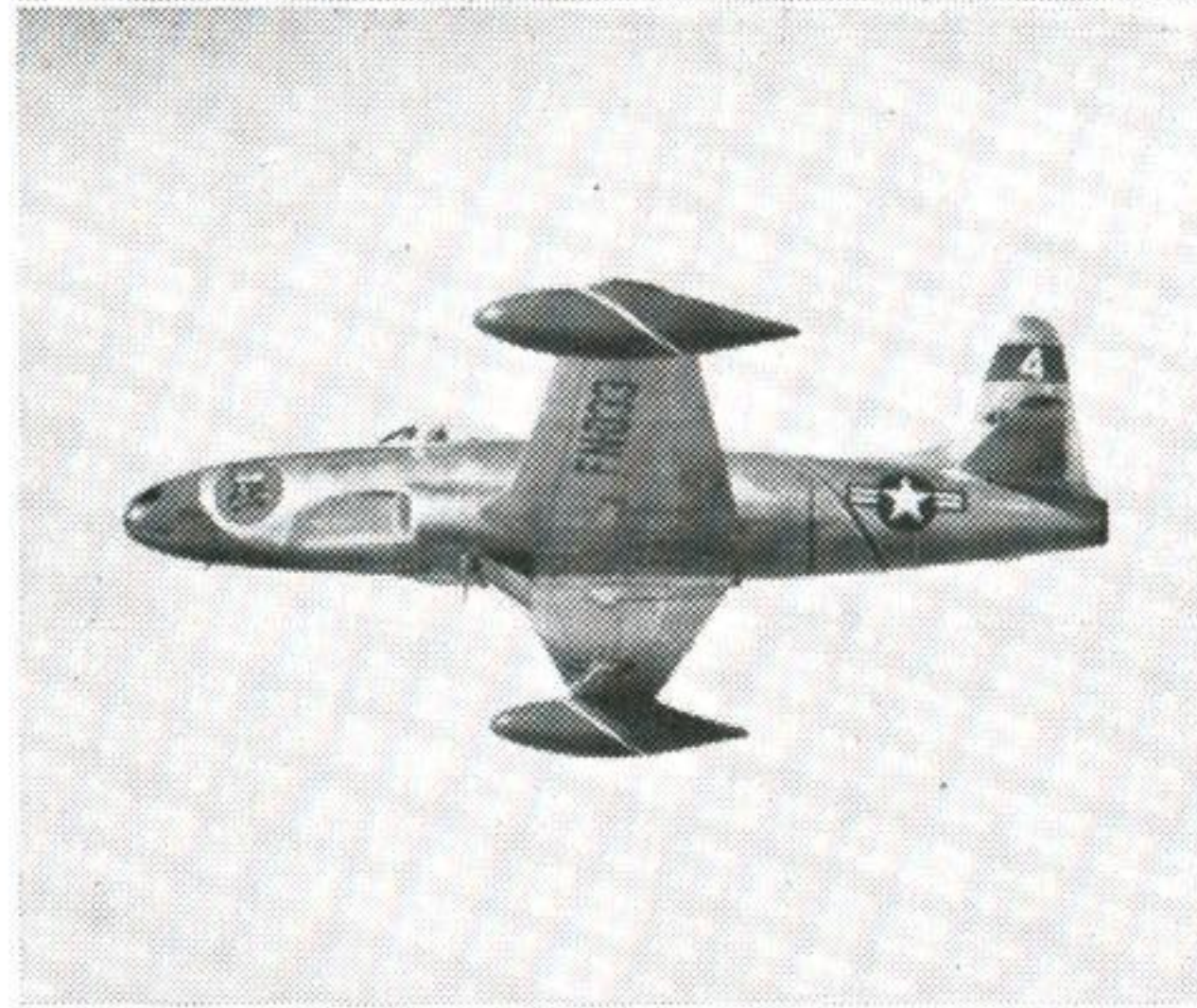
Grumman

### PANTHER

USAF : F9F-3

(One Allison turbojet)

Span : 38 ft. Length : 40 ft.



Lockheed

### SHOOTING STAR

USAF : F-80C

(One Allison turbojet)

Span : 38 ft. 10 in.

Length : 34 ft. 6 in.



Lockheed

### STARFIRE

USAF : F-94A

(One Allison turbojet)

Span : 38 ft. 10 in.

Length : 40 ft. 1 in.



Lockheed

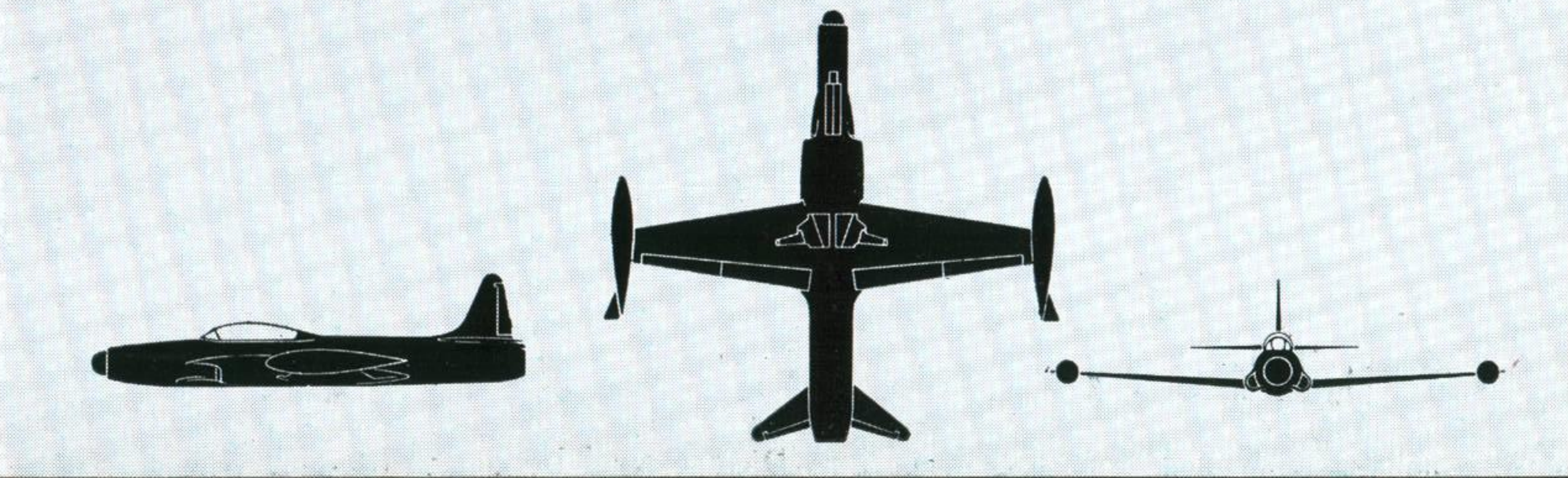
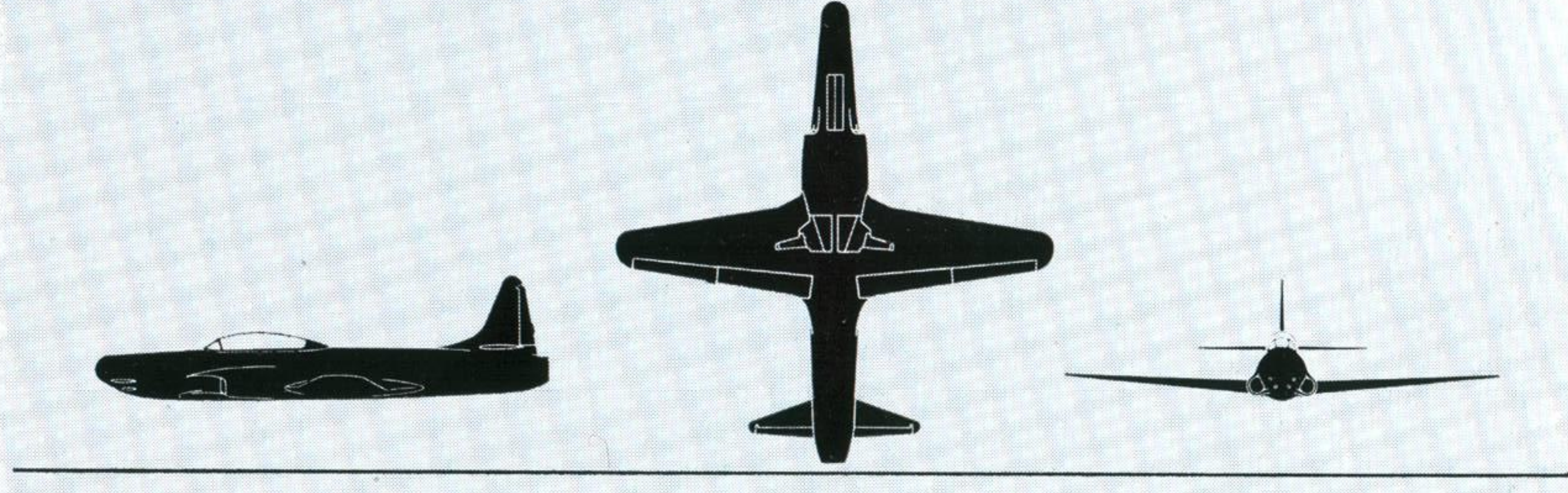
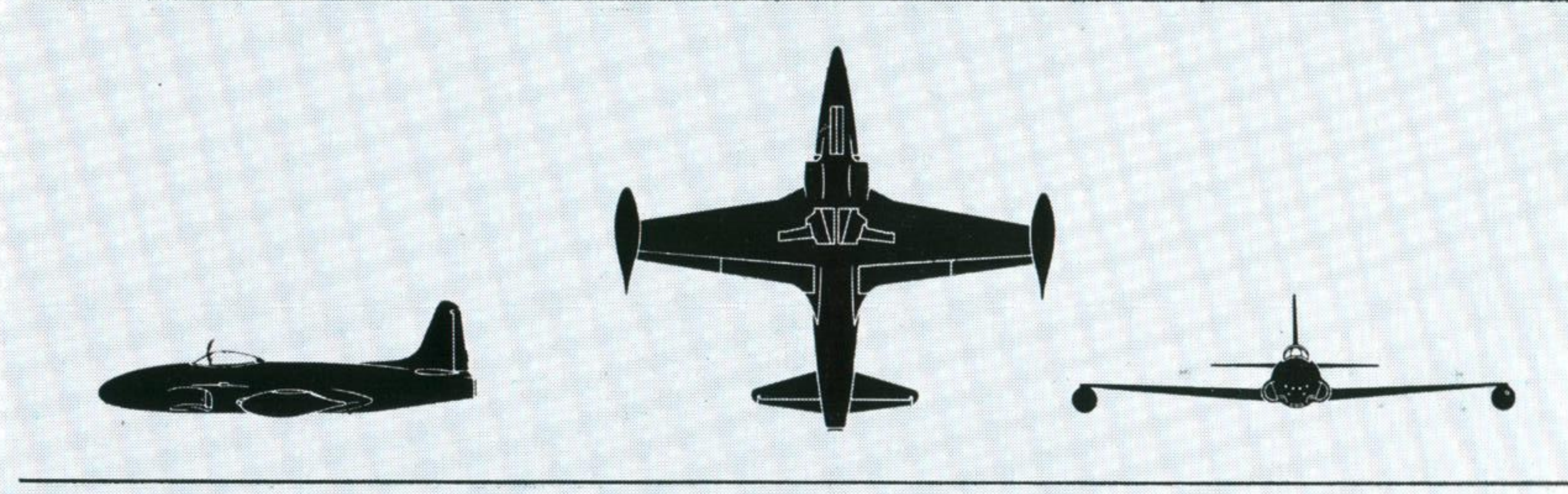
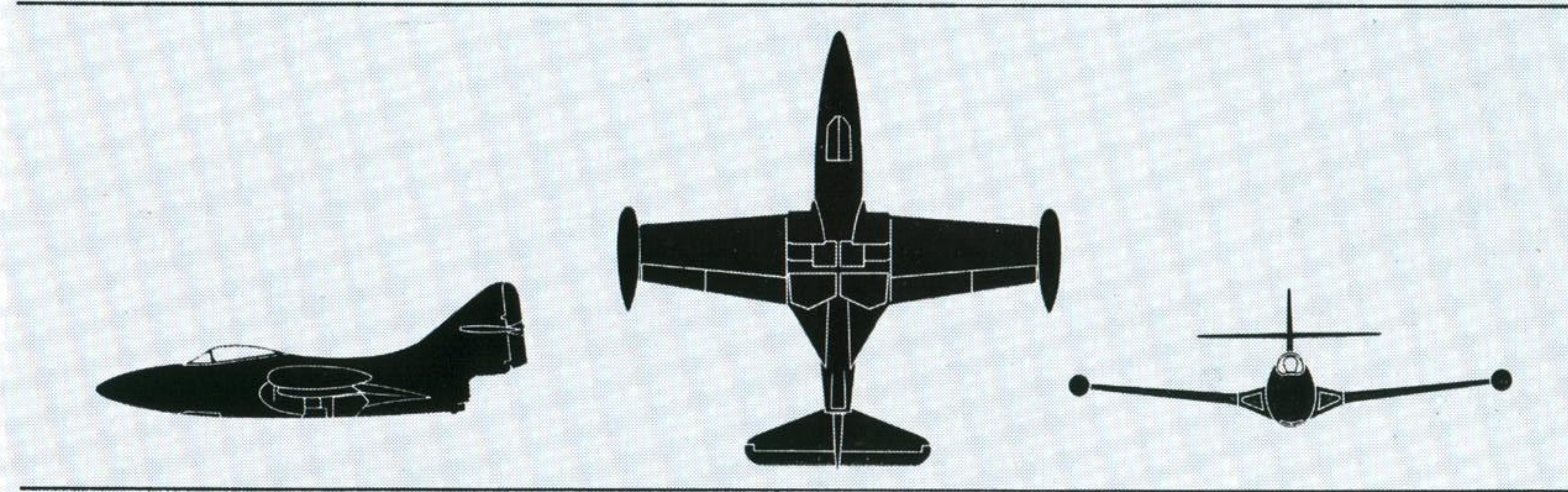
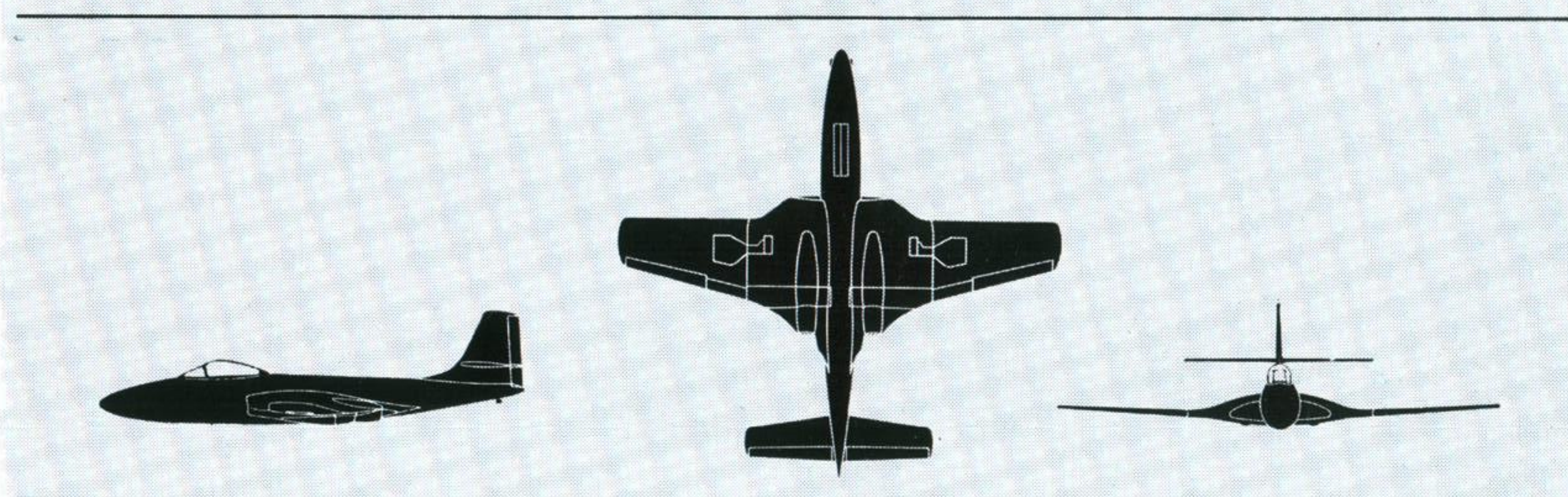
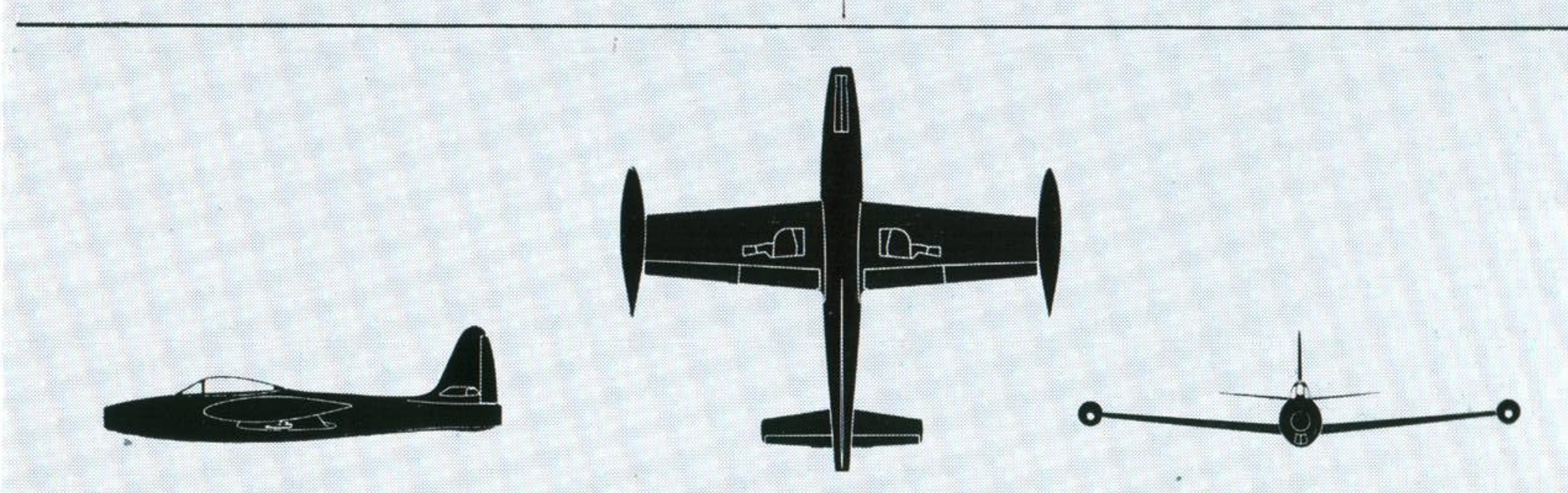
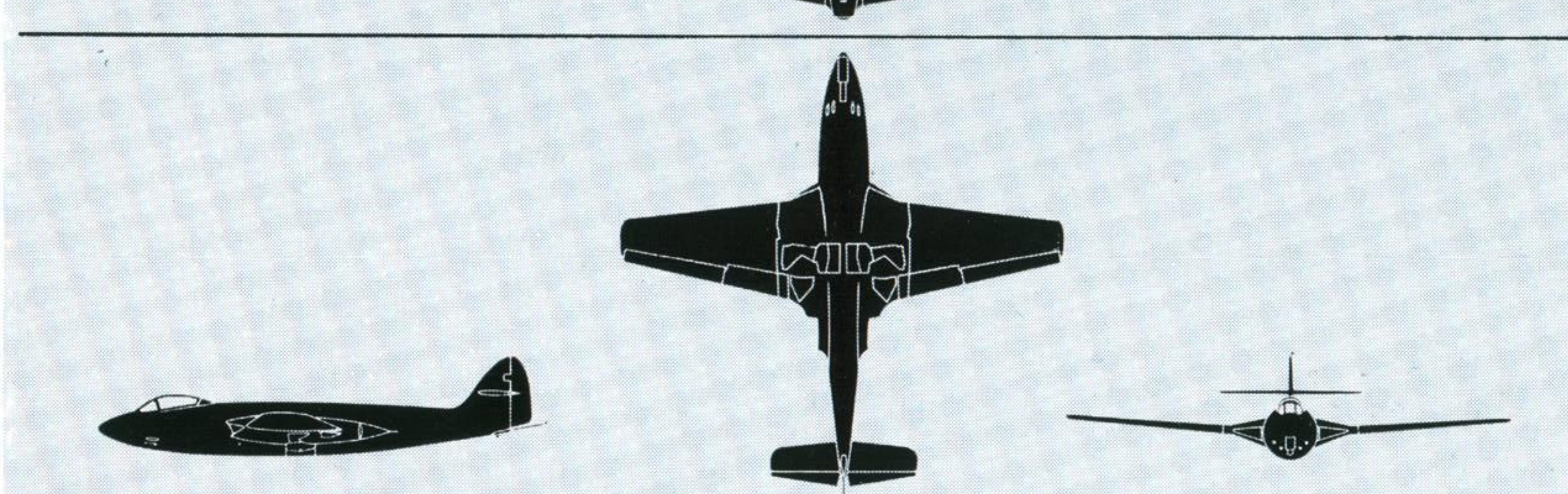
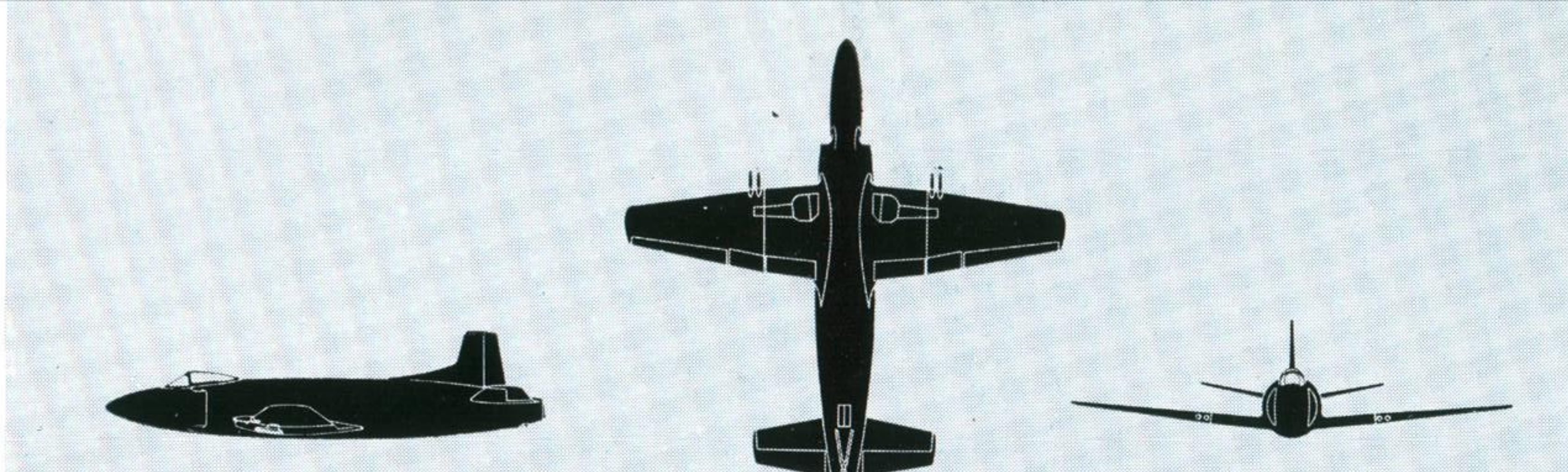
### STARFIRE

USAF : F-94C

(One P & W turbojet)

Span : 37 ft. 6 in.

Length : 41 ft. 5 in.





## TWIN (JET) TYPES

Northrop

### SCORPION

USAF : F-89A

(Two Allison turbojets)

Span : 55 ft. Length : 50 ft.

Douglas

### SKYKNIGHT

USN : F3D-1

(Two Westinghouse turbojets)

Span : 50 ft. Length : 45 ft.

Avro (Canada)

### CANUCK

(Two R.R. Avon turbojets)

Span : 52 ft. Length : 52 ft. 6 in.

Chance-Vought

### CUTLASS

USN : F7U-3

(Two Westinghouse turbojets)

Span : 38 ft. 8 in.  
Length : 40 ft. 10 in.

Gloster

### JAVELIN F (AW) Mk. 1

(Two A.S. Sapphire turbojets)

Span : 52 ft. Length : 57 ft.  
(Provisional Silhouette)

English Electric

### CANBERRA B Mk. 2

(Two R.R. Avon turbojets)

Span : 63 ft. 11 in.  
Length : 65 ft. 6 in.

English Electric

### CANBERRA PR Mk. 3

(Two R.R. Avon turbojets)

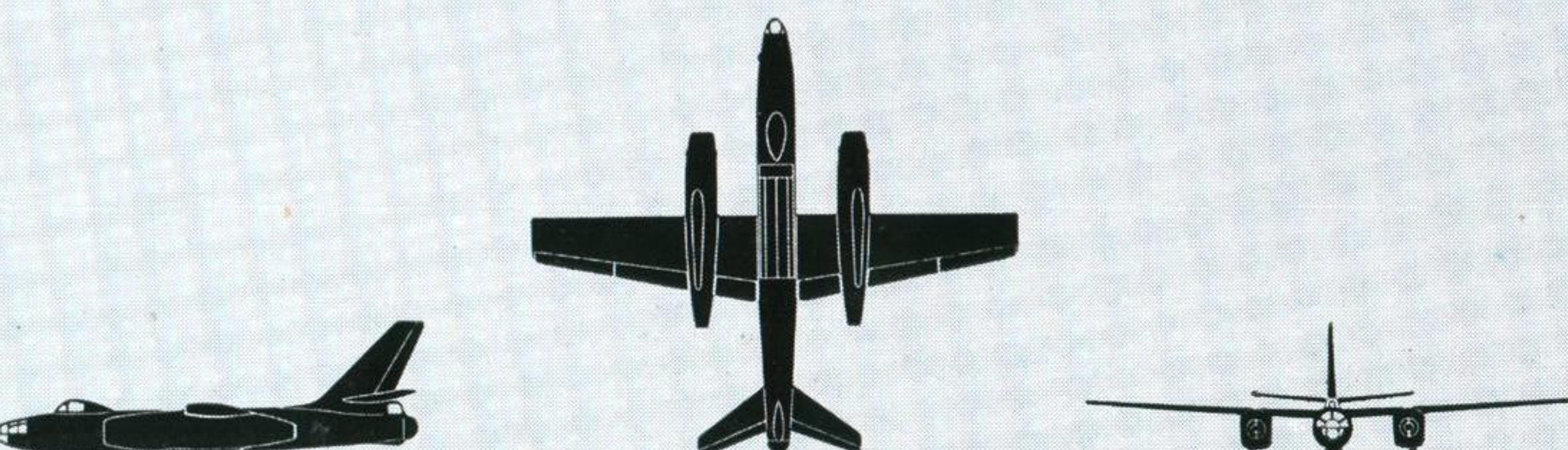
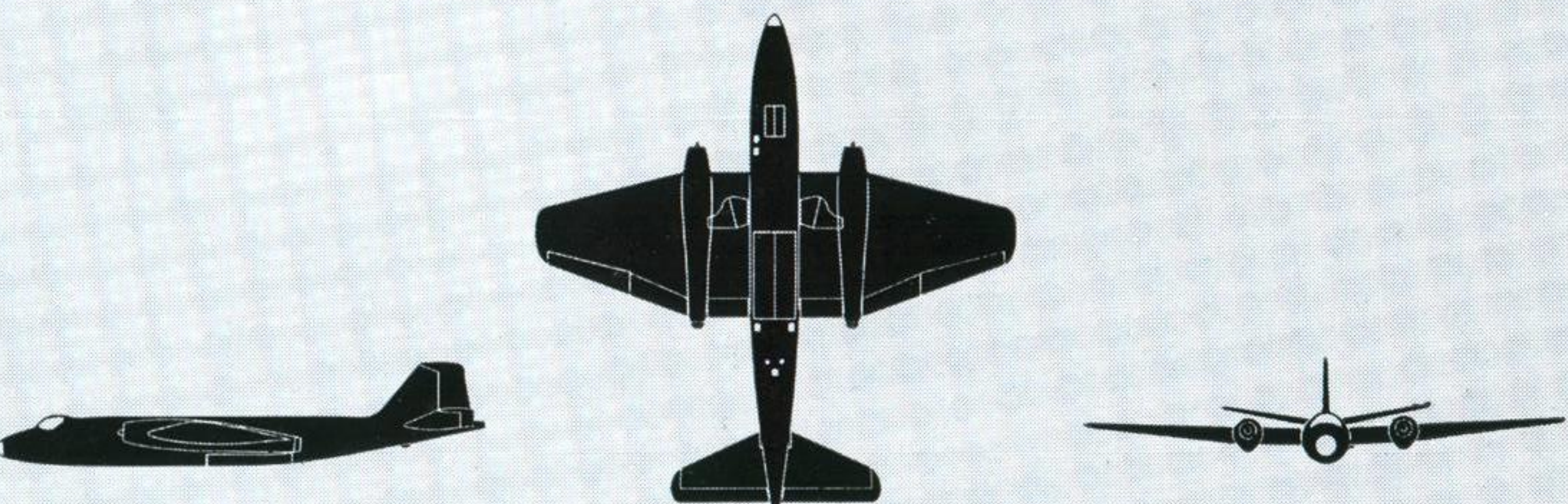
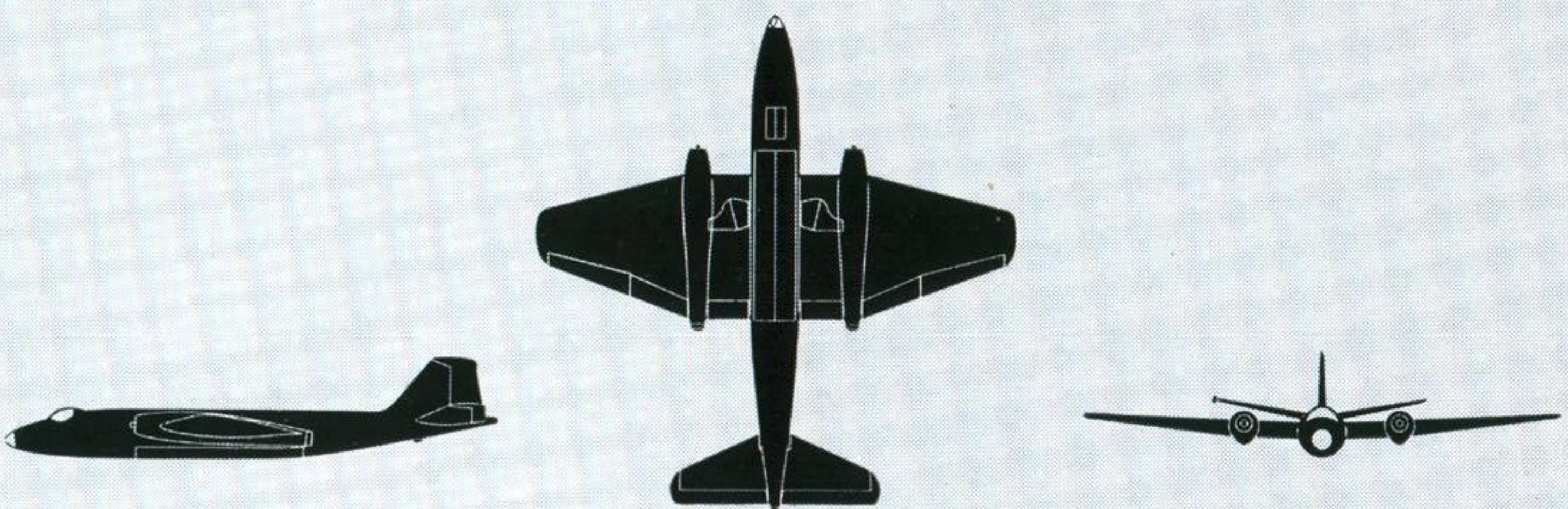
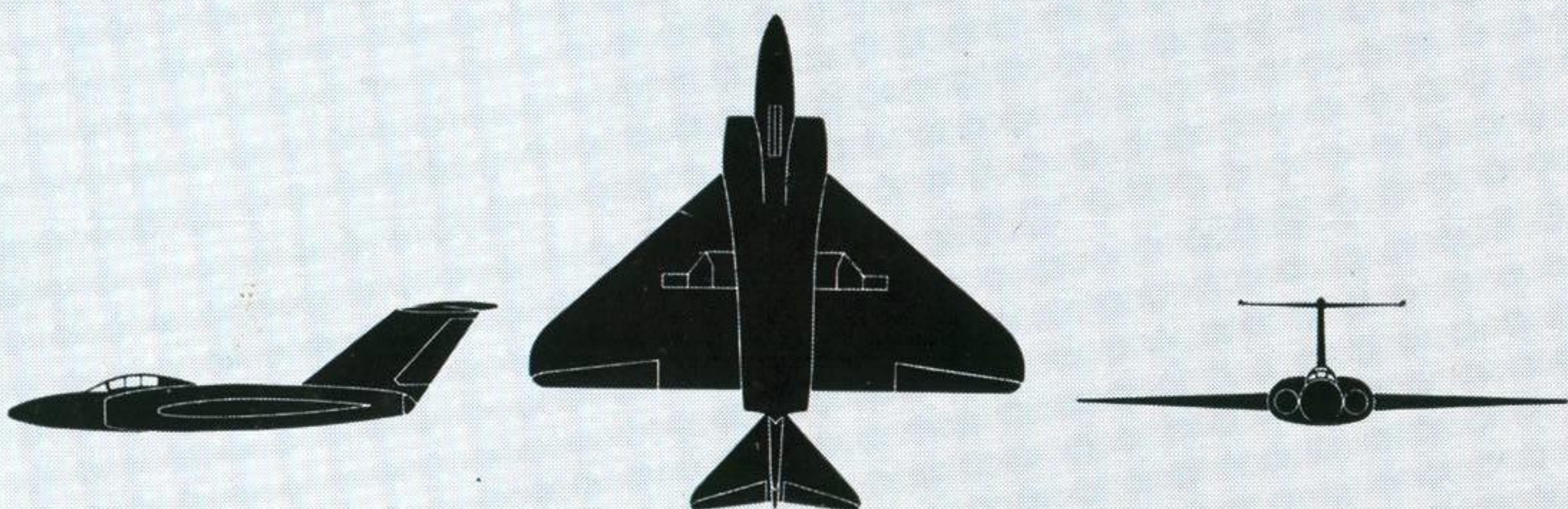
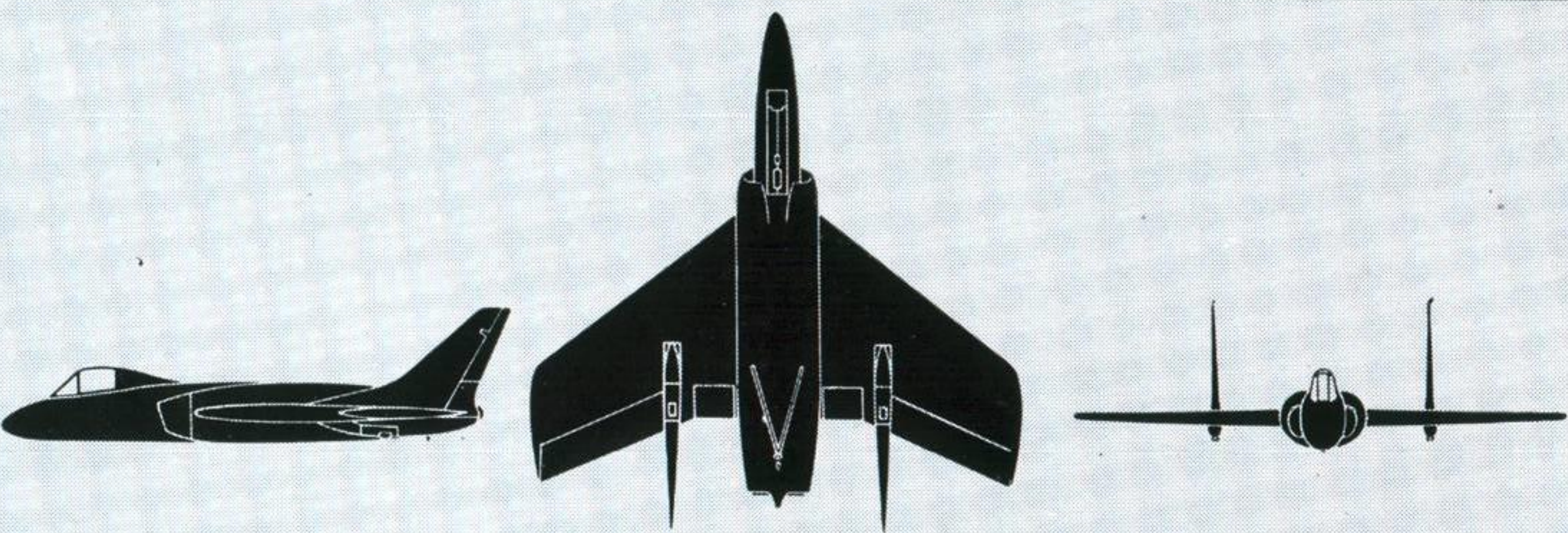
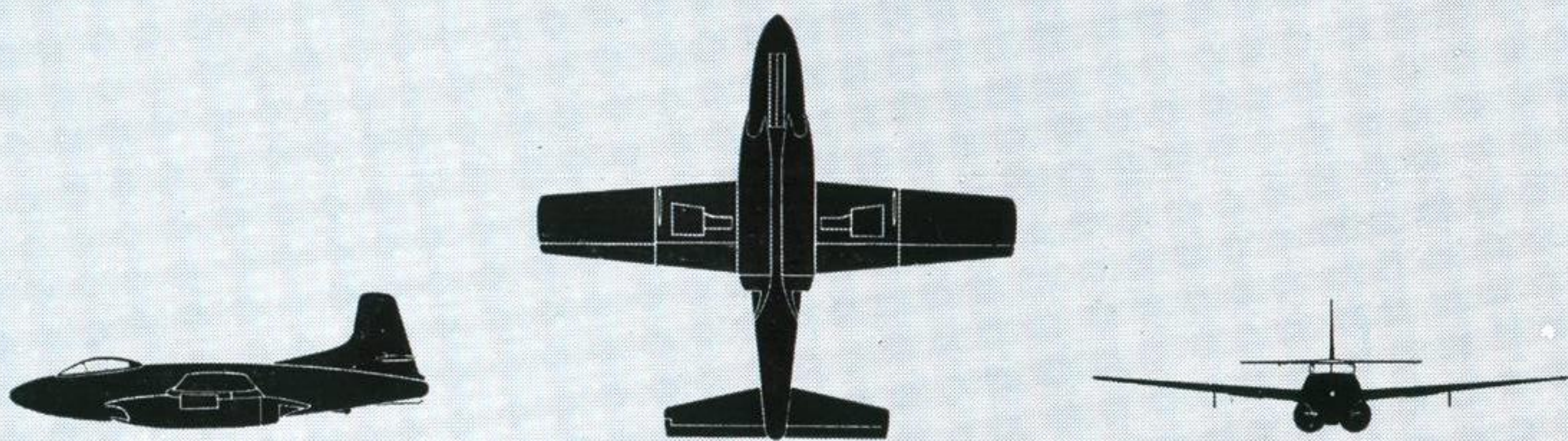
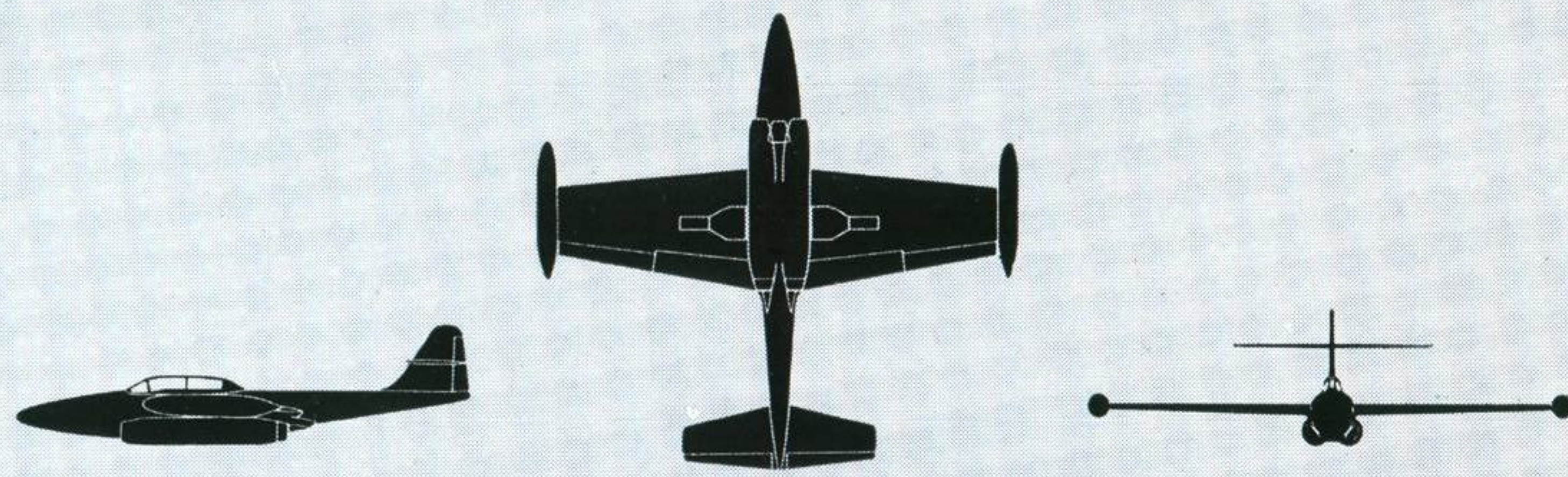
Span : 63 ft. 11 in.  
Length : 66 ft. 8 in.

Ilyushin

### IL-28

(Two turbojets—no data available)

Span : 65 ft. (app.)  
Length : 60 ft. (app.)







## TWIN (JET) TYPES

Gloster

### METEOR F Mk. 4

(Two R.R. Derwent turbojets)

Span : 37 ft. 2 in.

Length : 41 ft. 3 in.



Gloster

### METEOR T Mk. 7

(Two R.R. Derwent turbojets)

Span : 37 ft. 2 in.

Length : 43 ft. 9 in.



Gloster

### METEOR F Mk. 8

(Two R.R. Derwent turbojets)

Span : 37 ft. 2 in.

Length : 44 ft. 7 in.



Gloster

### METEOR FR Mk. 9

(Two R.R. Derwent turbojets)

Span : 37 ft. 2 in.

Length : 45 ft. 4 in.



Gloster

### METEOR PR Mk. 10

(Two R.R. Derwent turbojets)

Span : 43 ft. Length : 44 ft. 3 in.



Gloster

### METEOR NF Mk. 11

(Two R.R. Derwent turbojets)

Span : 43 ft. Length : 48 ft. 4 in.



North American

### TORNADO

USAF : B-45C

(Four G.E. turbojets)

Span : 89 ft. Length : 76 ft.



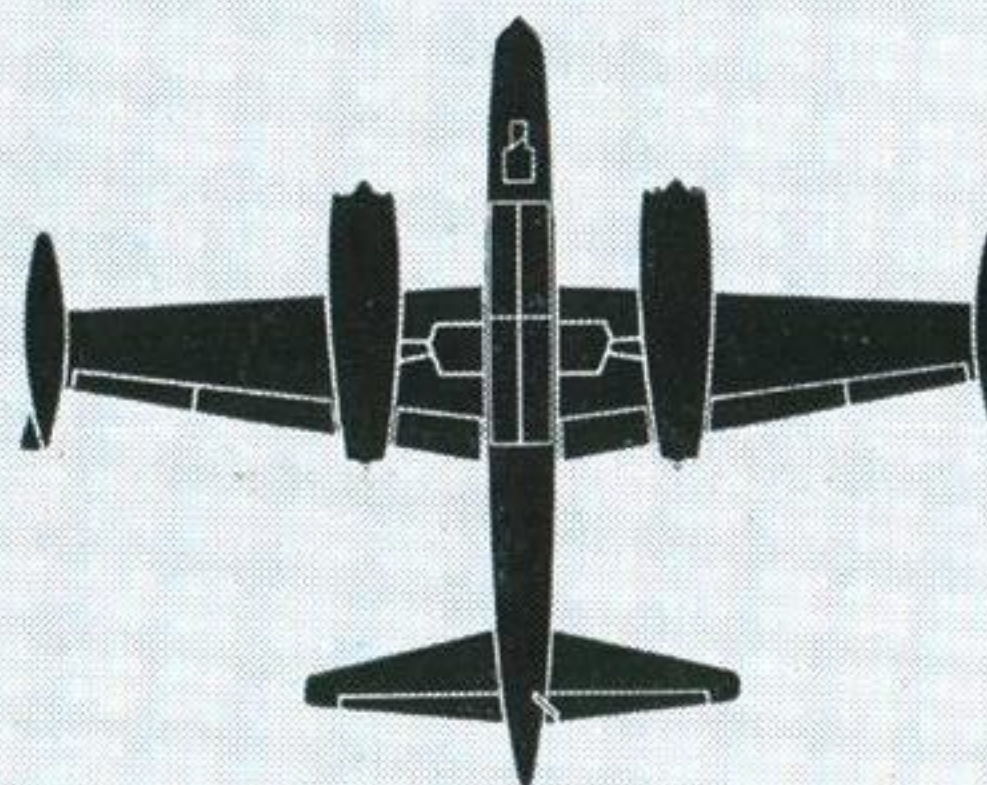
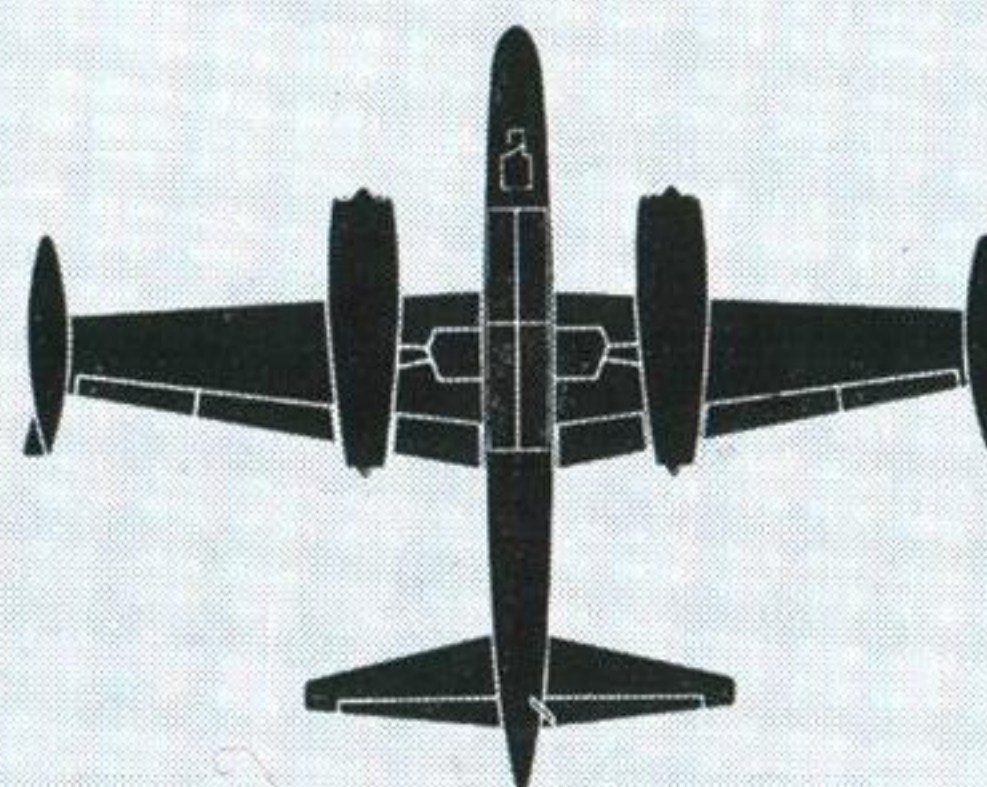
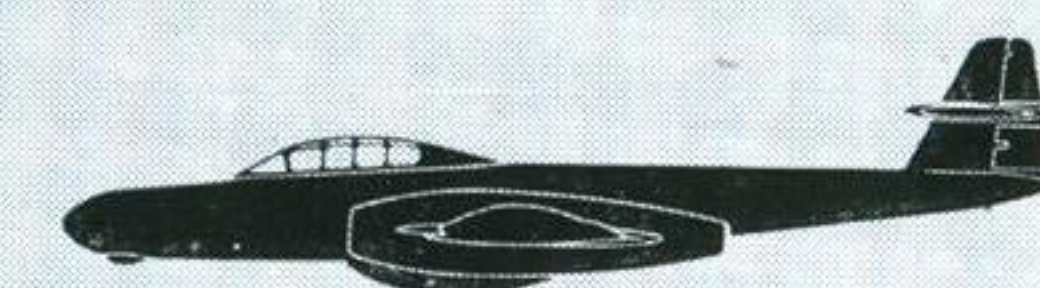
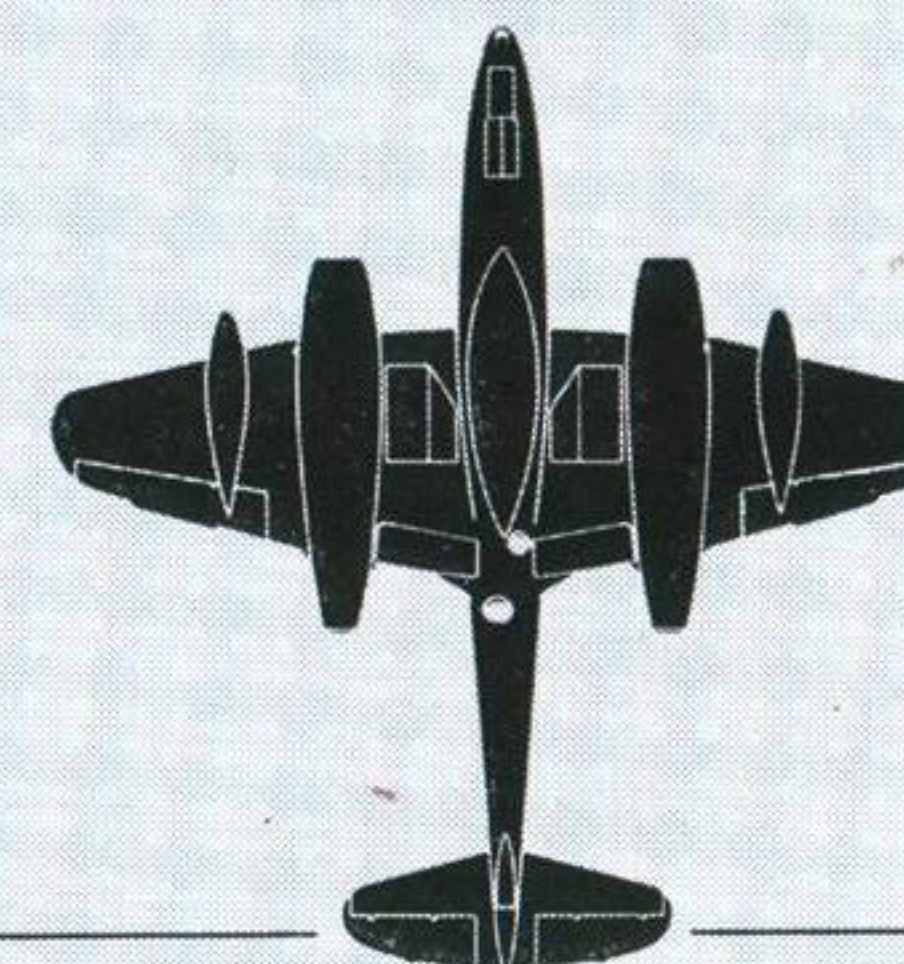
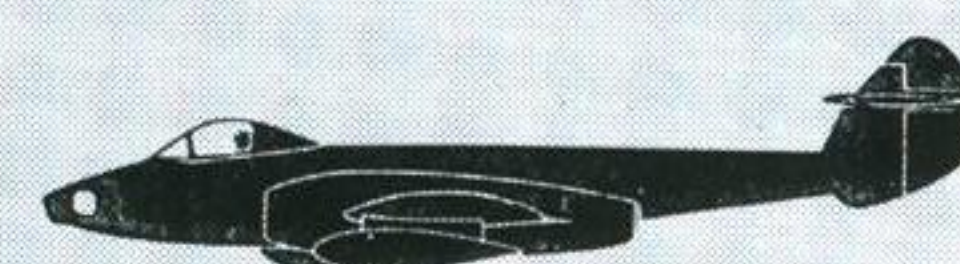
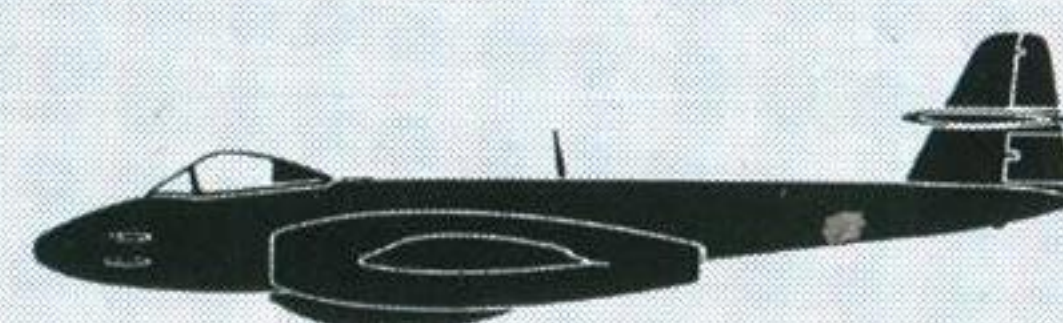
North American

### TORNADO

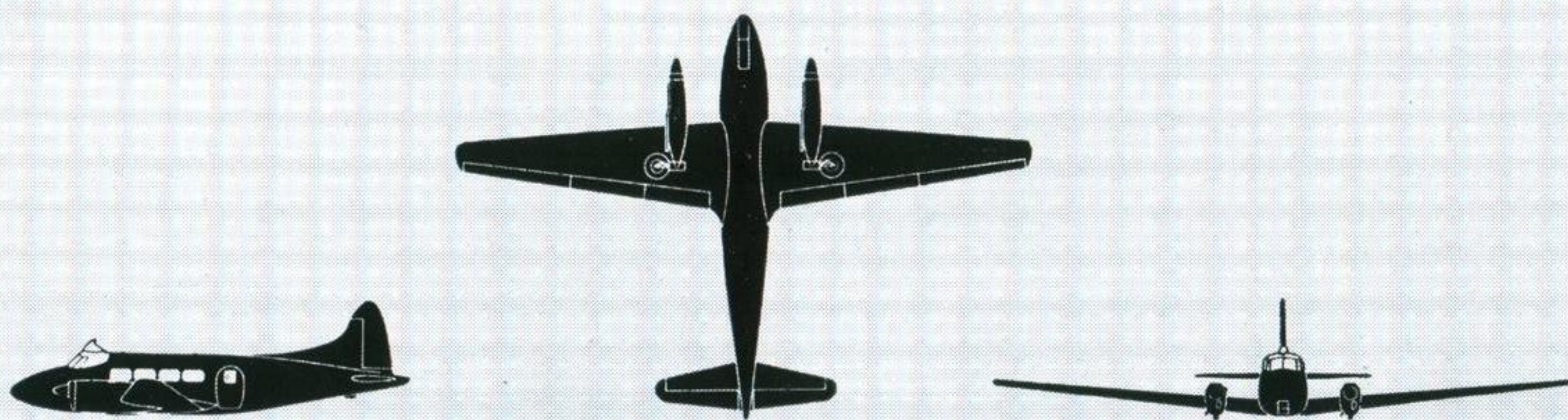
USAF : RB-45C

(Four G.E. turbojets)

Span : 89 ft. Length : 76 ft.







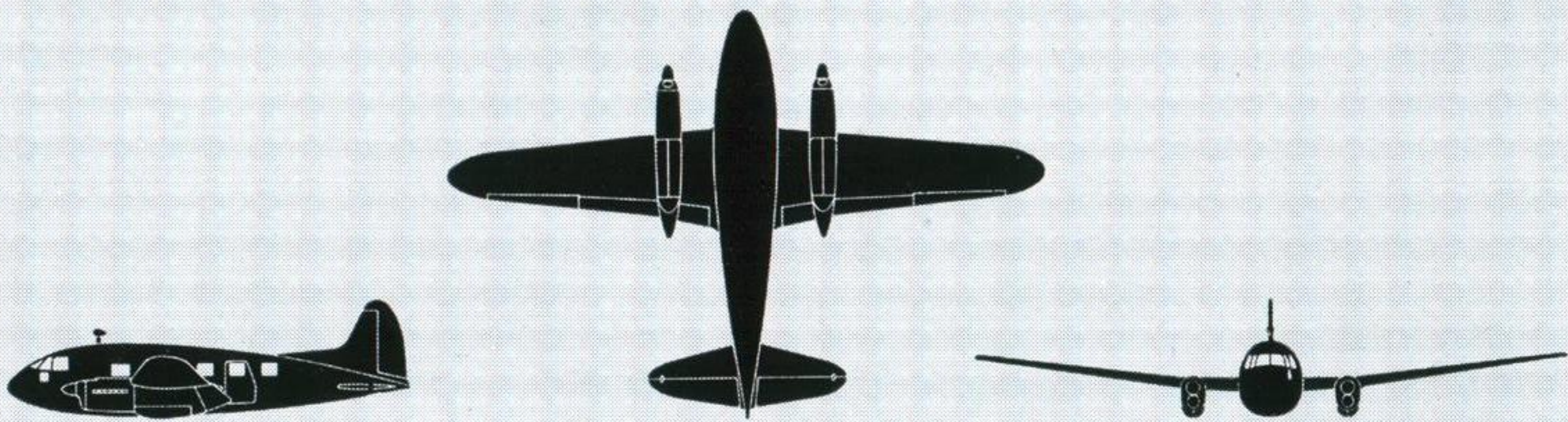
## TWIN (PROP) TYPES

De Havilland

### DOVE Mk. 1

(Two D.H. Gipsy Queen in-line)

Span : 57 ft. Length : 39 ft. 4 in.

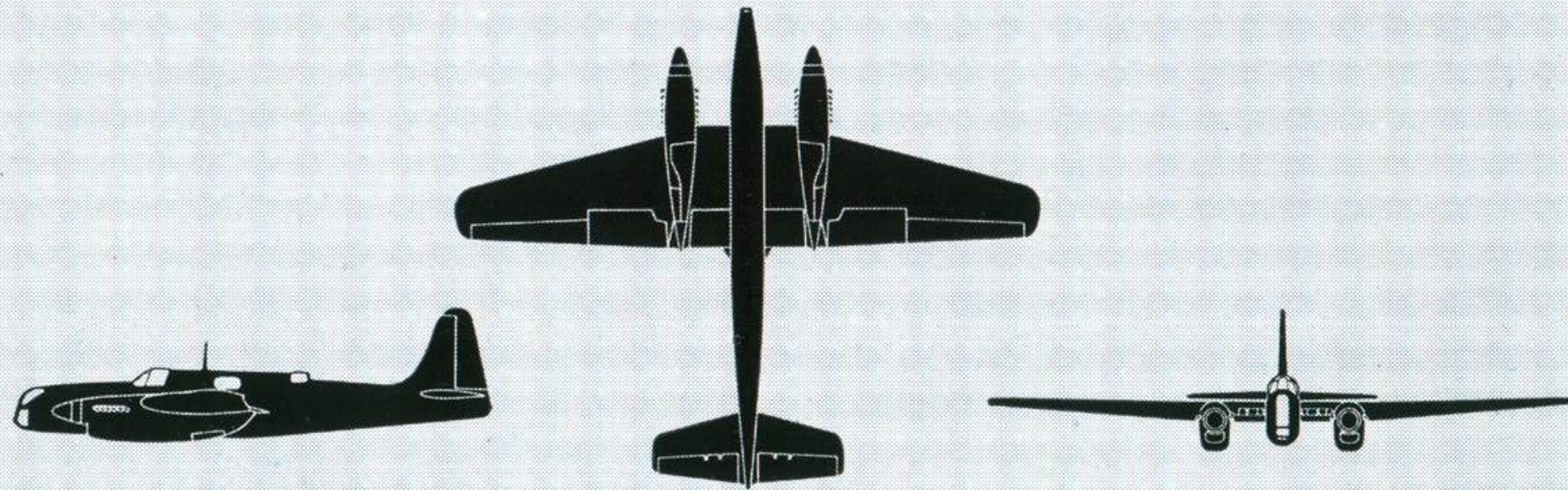


SNCASO

### SO.95 CORSE II

(Two Renault in-line)

Span : 59 ft. Length : 40 ft.

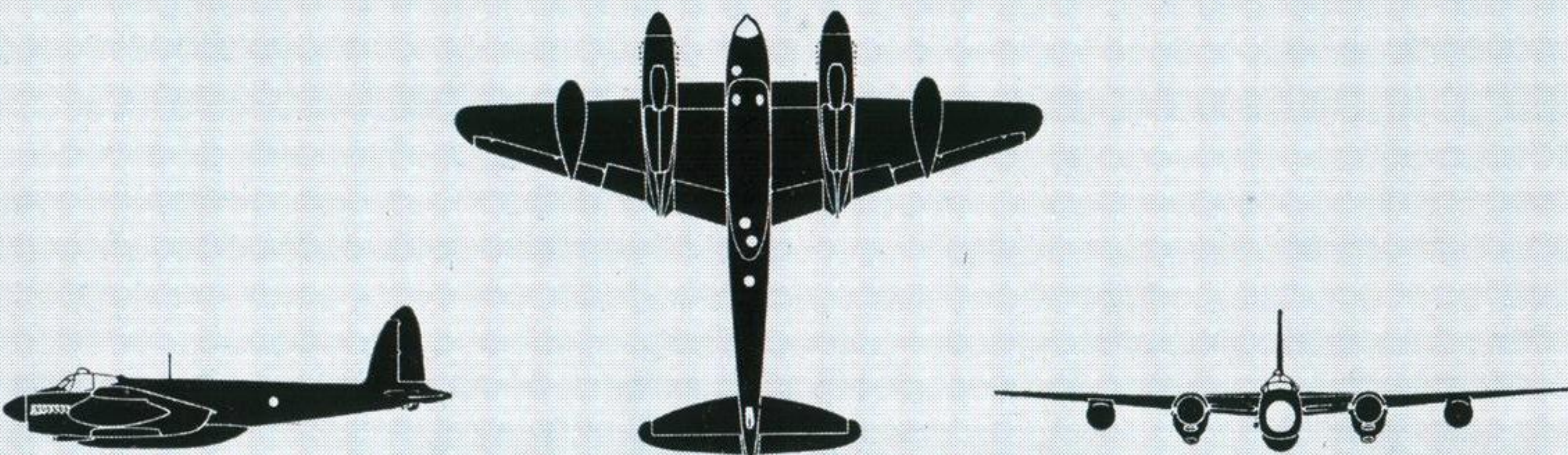
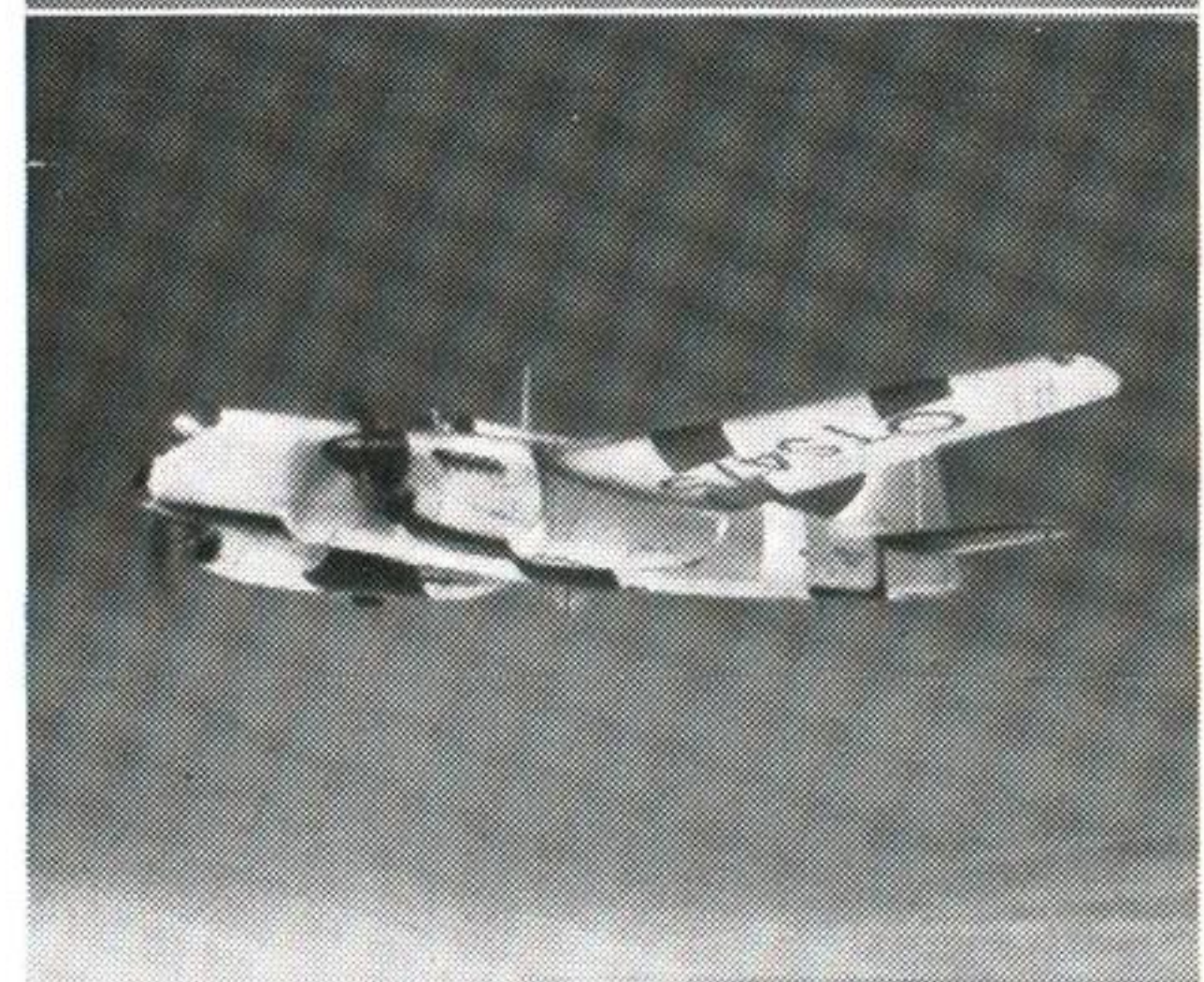


Short

### STURGEON TT Mk. 2

(Two R.R. Merlin in-line)

Span : 59 ft. 9 in.  
Length : 48 ft. 11 in.

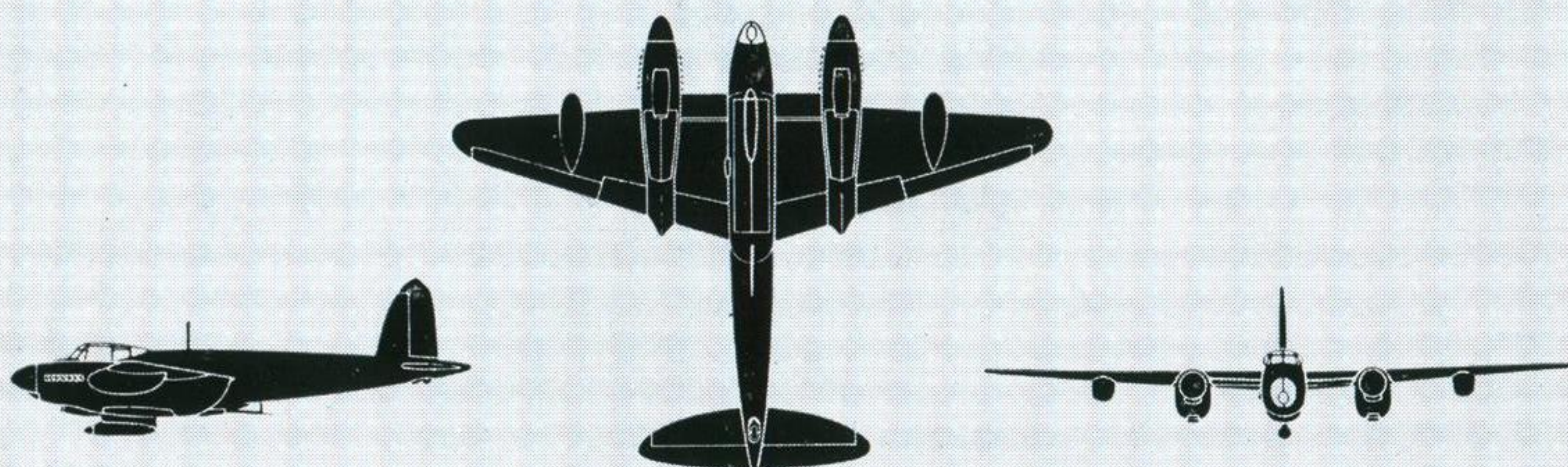


De Havilland

### MOSQUITO PR Mk. 34

(Two R.R. Merlin in-line)

Span : 54 ft. 2 in.  
Length : 41 ft. 6 in.

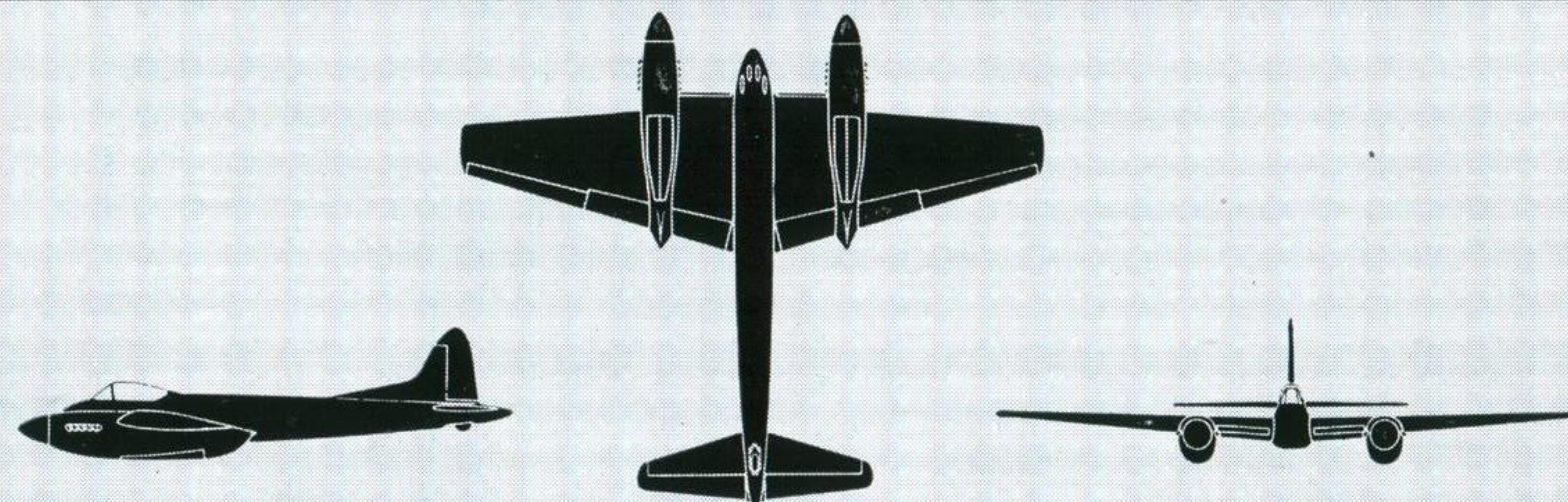


De Havilland

### MOSQUITO TT Mk. 35

(Two R.R. Merlin in-line)

Span : 54 ft. 2 in.  
Length : 41 ft. 6 in.

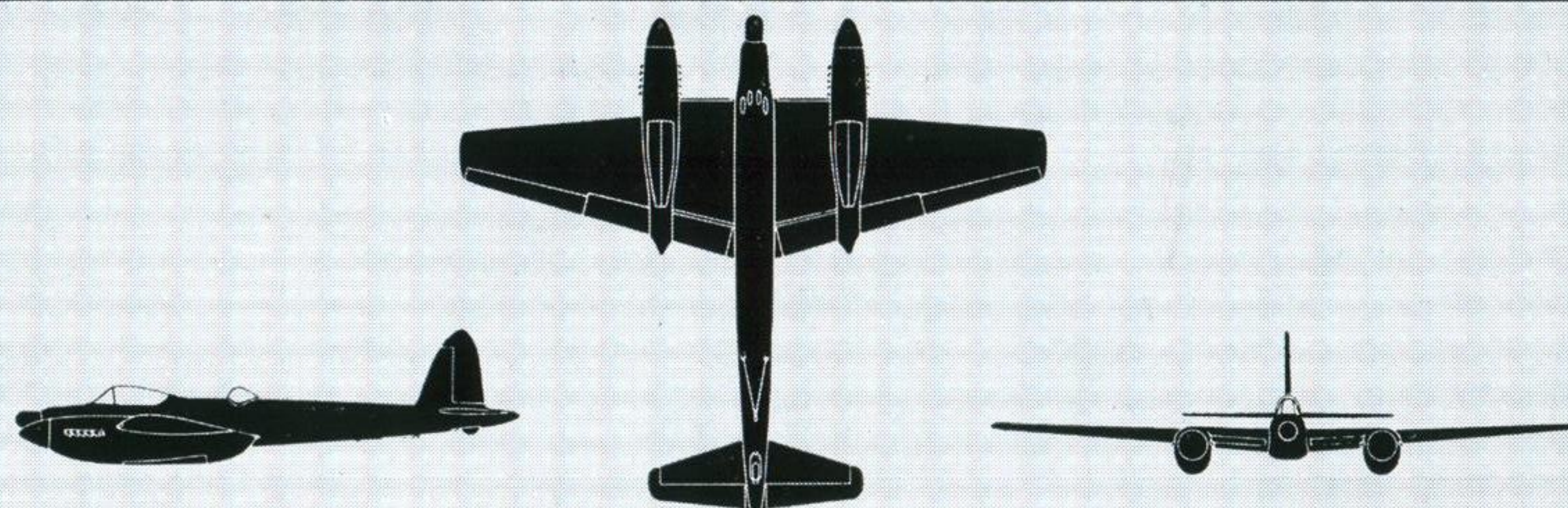
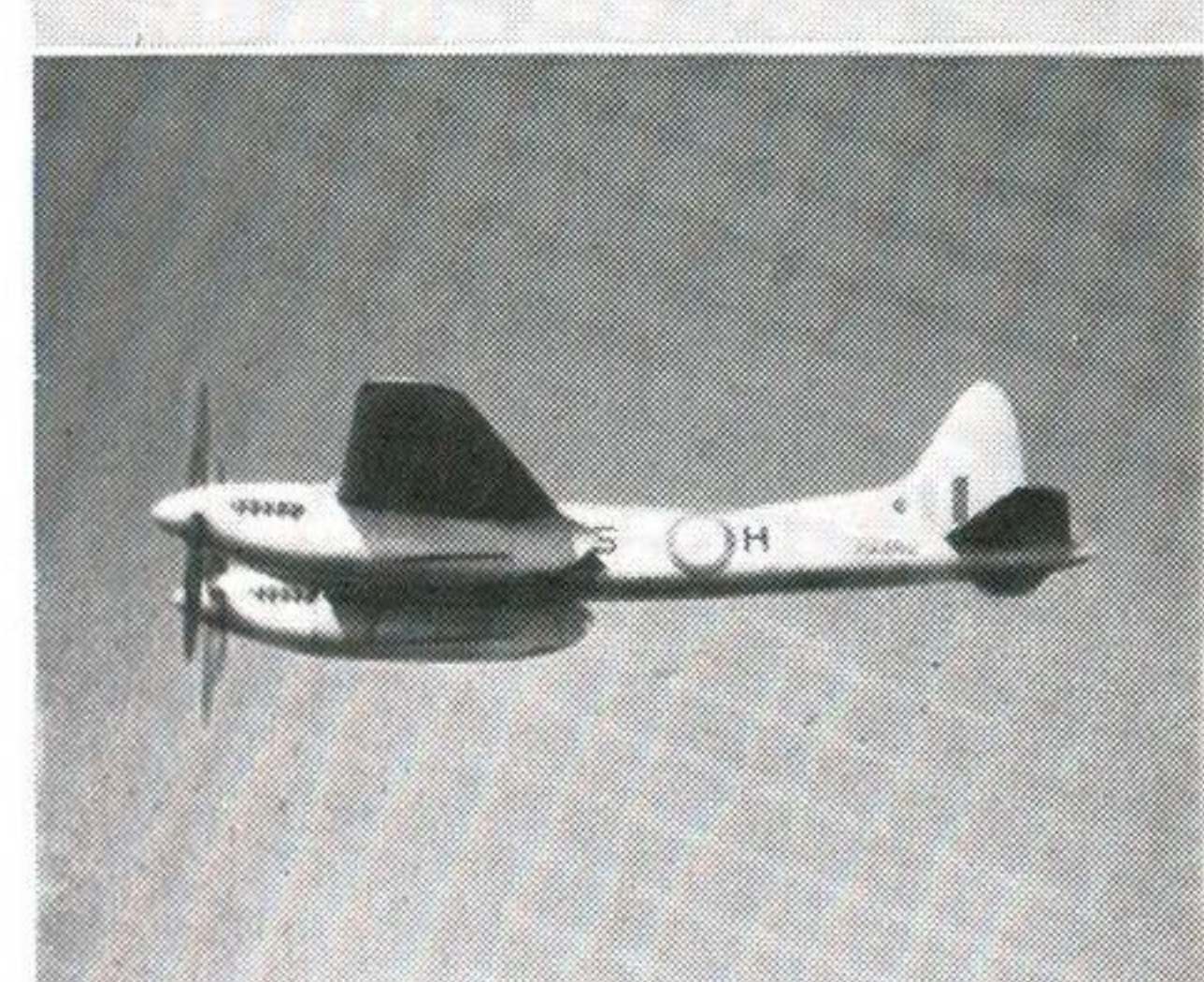


De Havilland

### HORNET F Mk. 3

(Two R.R. Merlin in-line)

Span : 45 ft. Length : 37 ft

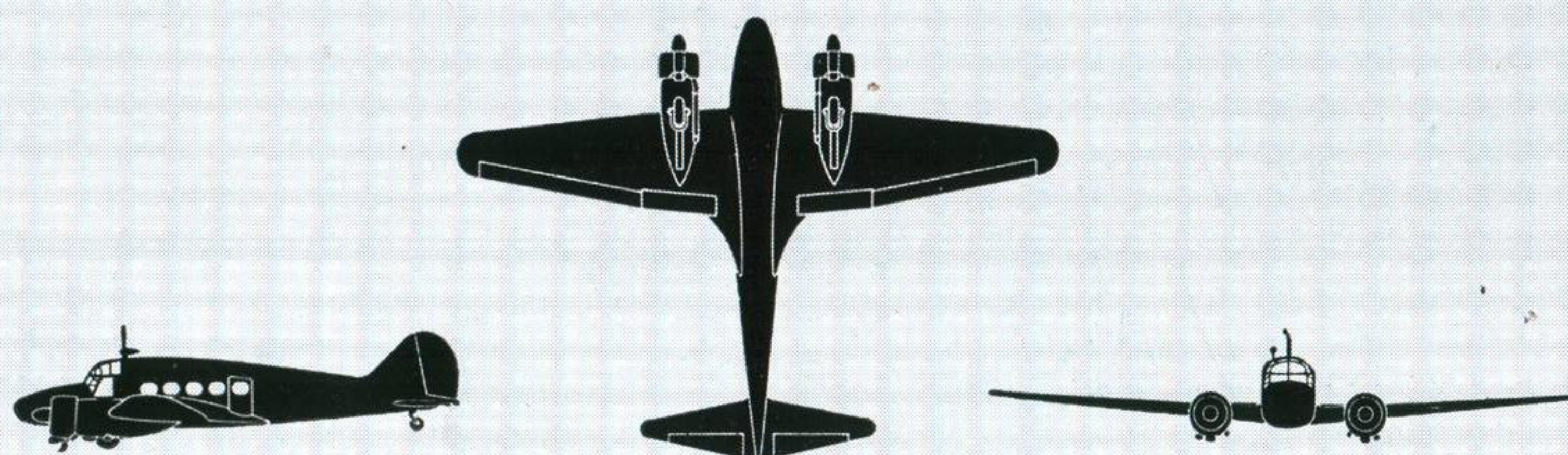


De Havilland

### SEA HORNET NF Mk. 21

(Two R.R. Merlin in-line)

Span : 45 ft. Length : 38 ft. 2 in



Avro

### ANSON C Mk. 19

(Two A.S. Cheetah radial)

Span : 57 ft. 6 in.  
Length : 42 ft. 3 in.





## TWIN (PROP) TYPES

### Curtiss **COMMANDO**

USAF : C-46A  
(Two P & W Double Wasp radial)  
Span : 108 ft. Length : 76 ft. 4 in.

### Douglas **DAKOTA**

USAF : C-47 Skytrain ; USN : R4D-  
R4D-  
(Two P & W Twin Wasp radial)  
Span : 95 ft. Length : 64 ft. 6 in.

### Douglas **SUPER DC-3**

USAF : C-47F ; USN : R4D-8  
(Two Wright Cyclone radial)  
Span : 90 ft. Length : 67 ft. 9 in.

### Martin **202**

(Two P & W Double Wasp radial)  
Span : 93 ft. 3 in.  
Length : 71 ft. 4 in.

### Martin **404**

(Two P & W Double Wasp radial)  
Span : 93 ft. 3 in.  
Length : 74 ft. 4 in.

### **CONVAIR-LINER 240**

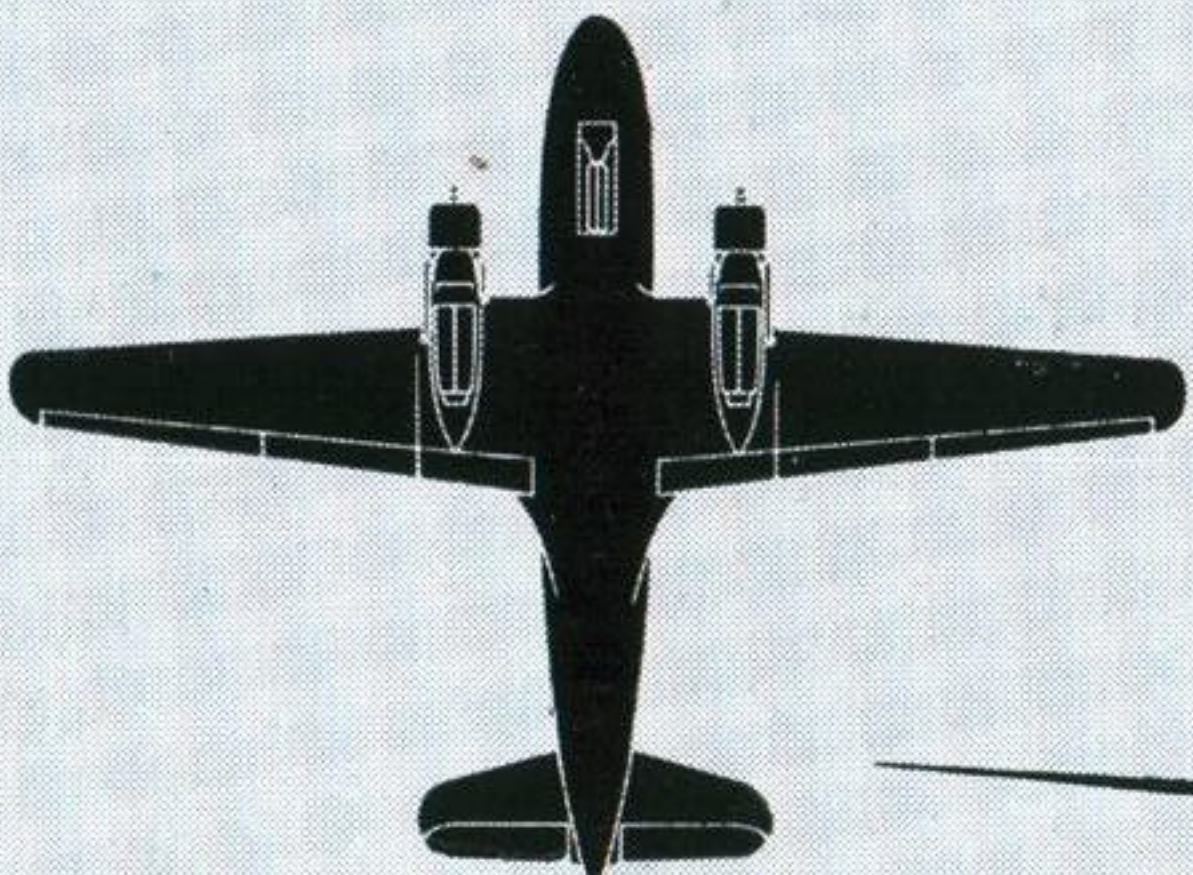
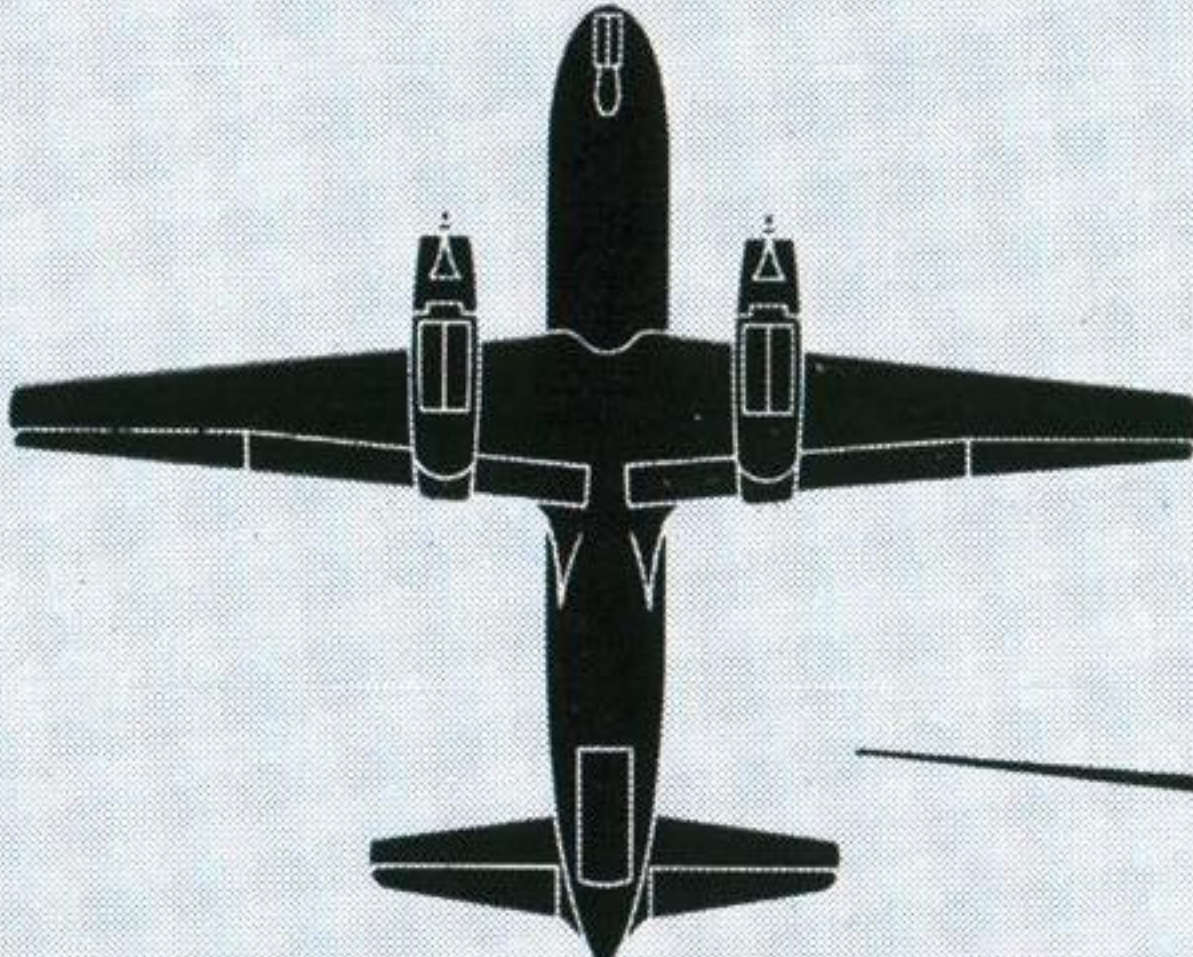
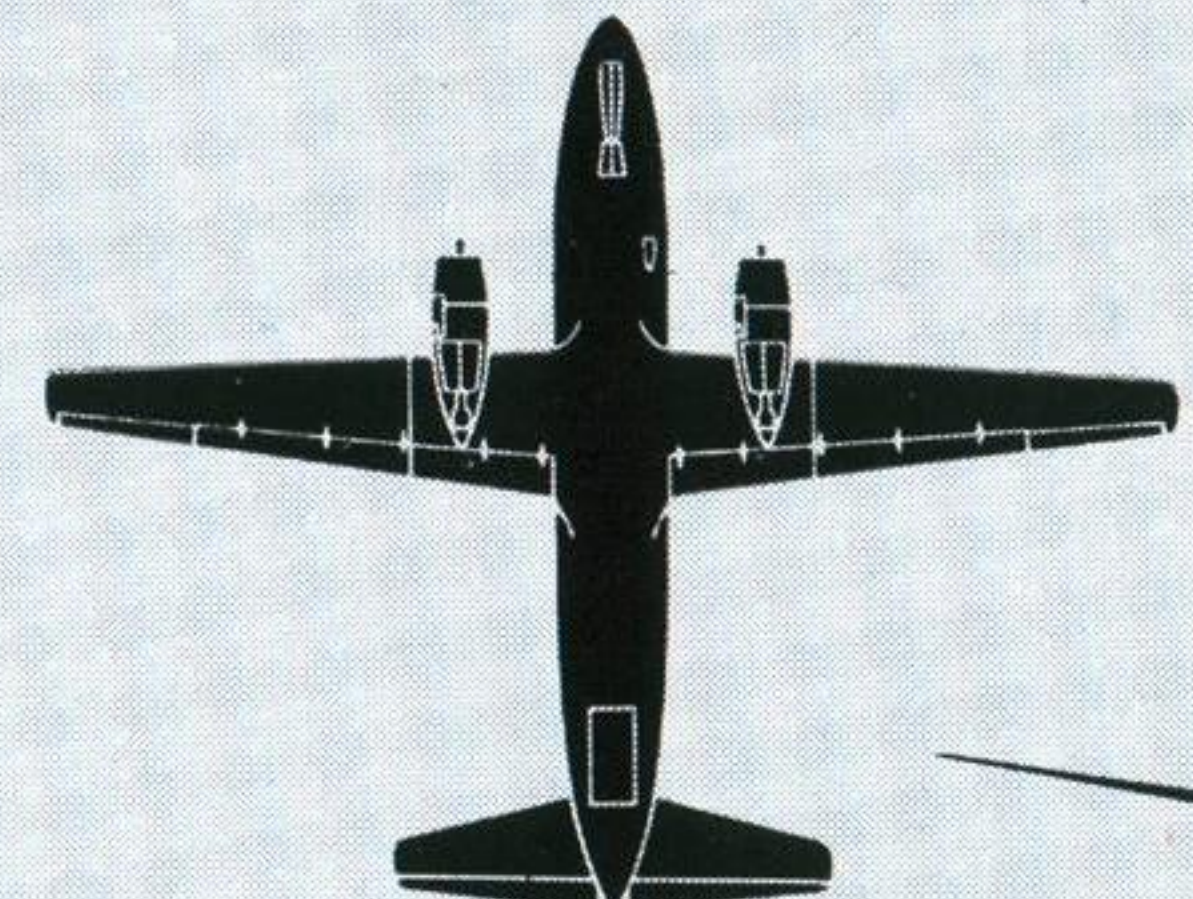
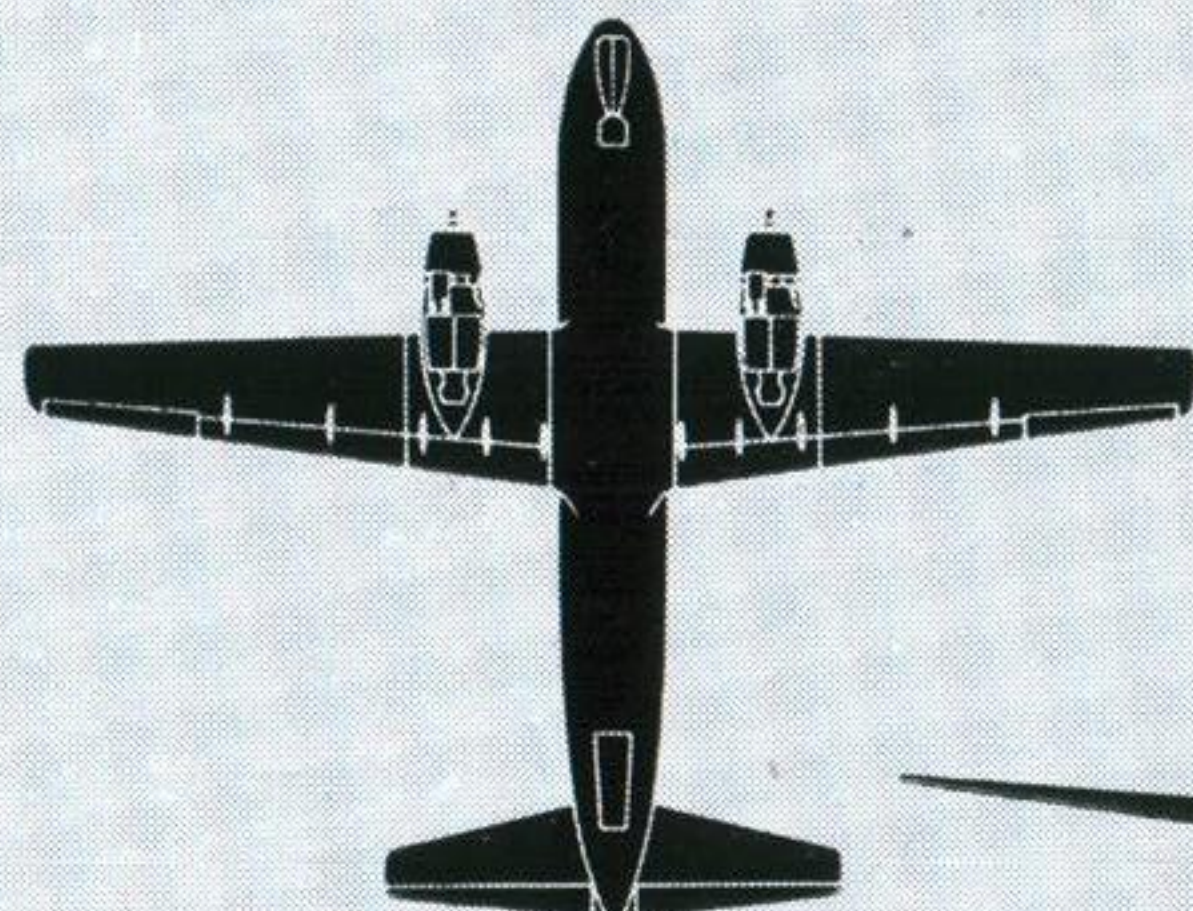
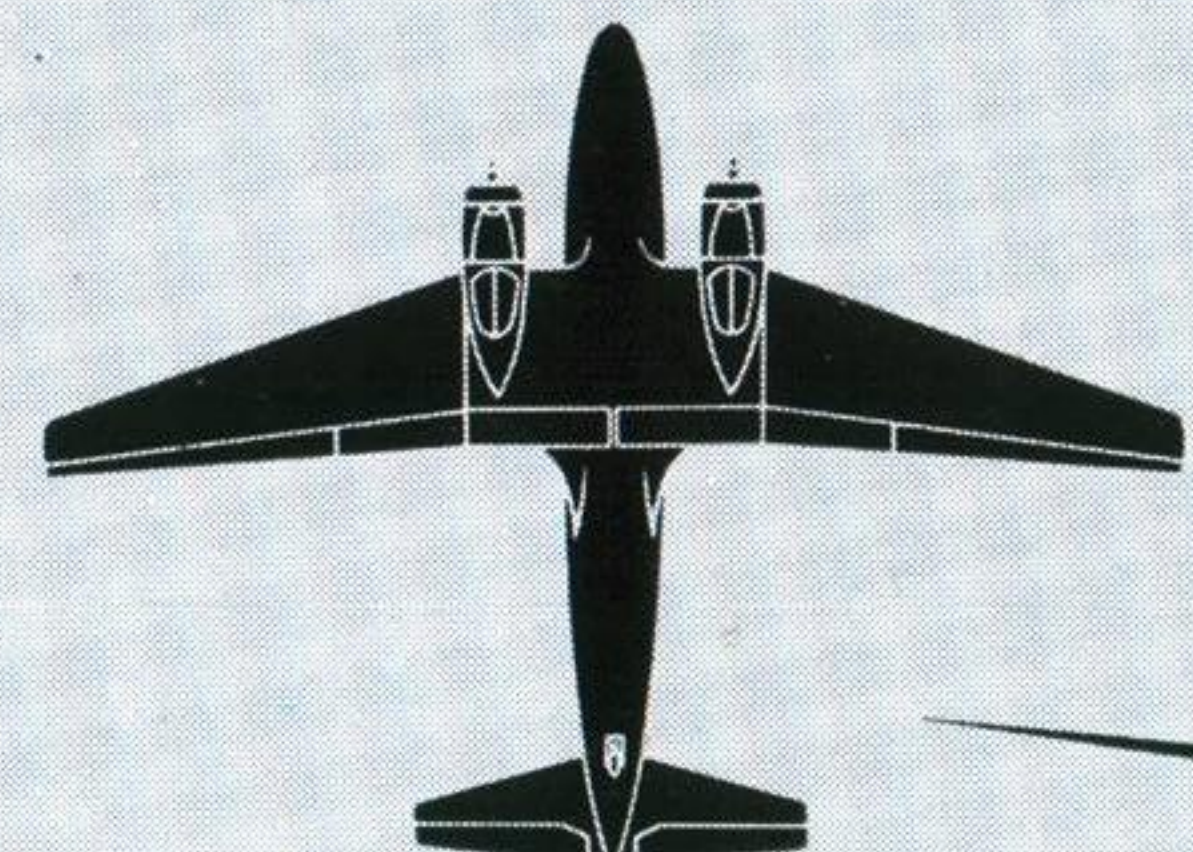
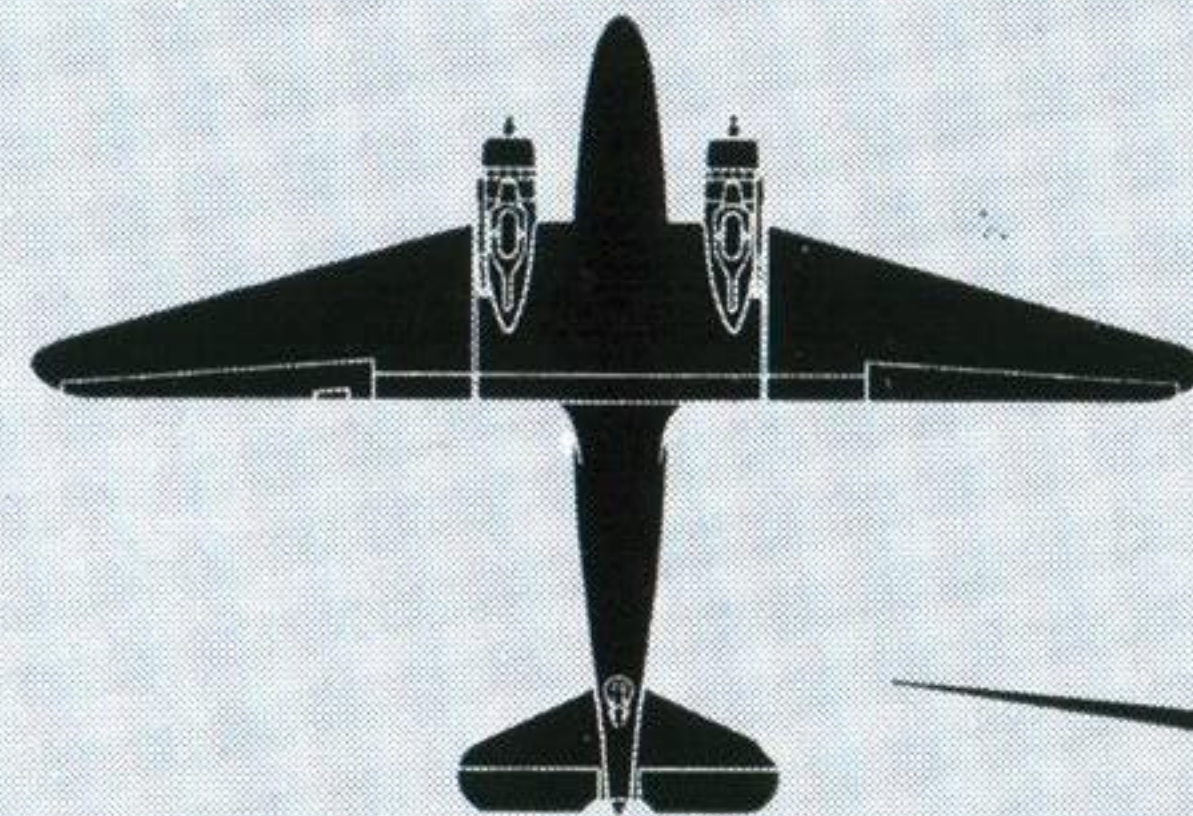
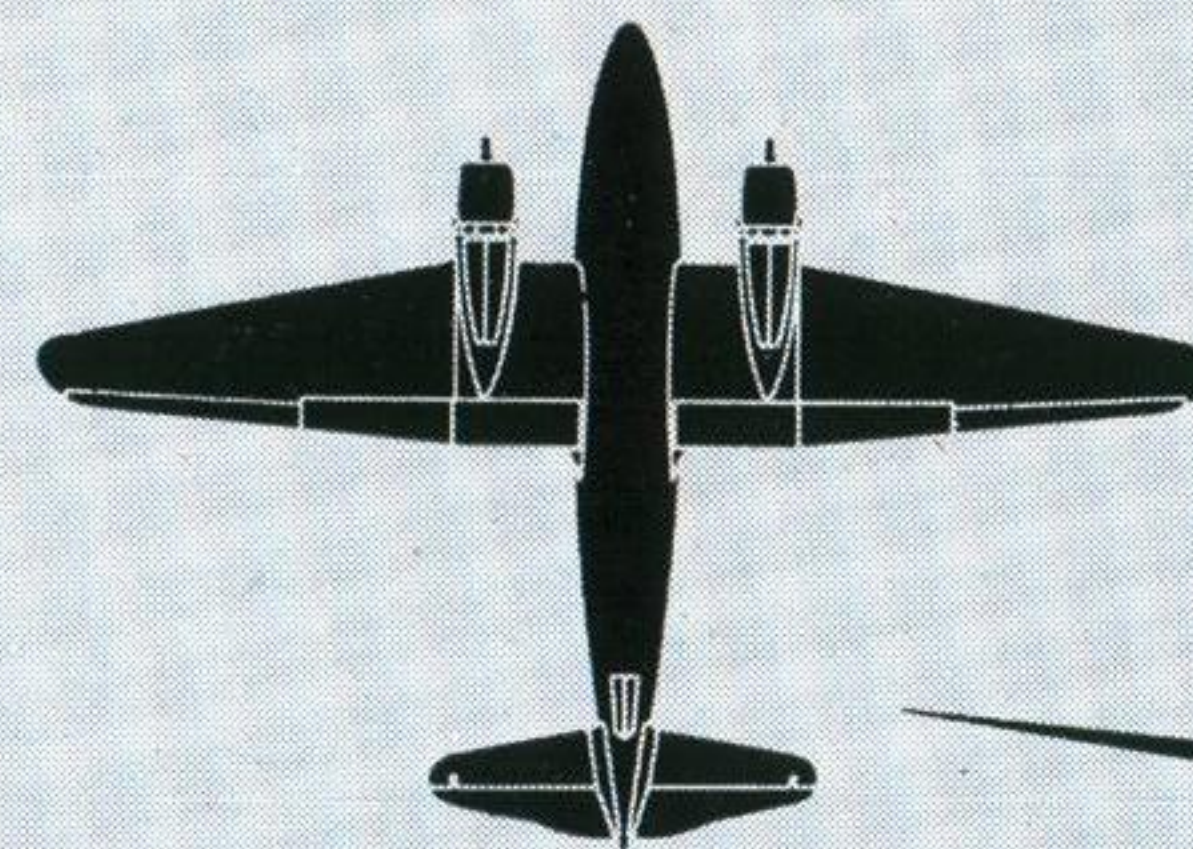
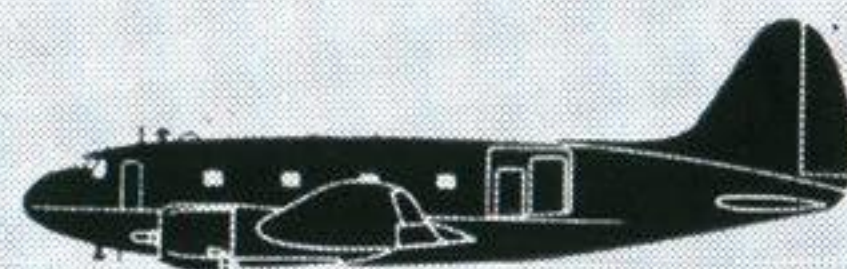
USAF : T-29A  
(Two P & W Double Wasp radial)  
Span : 91 ft. 9 in.  
Length : 74 ft. 8 in.

### **CONVAIR-LINER 340**

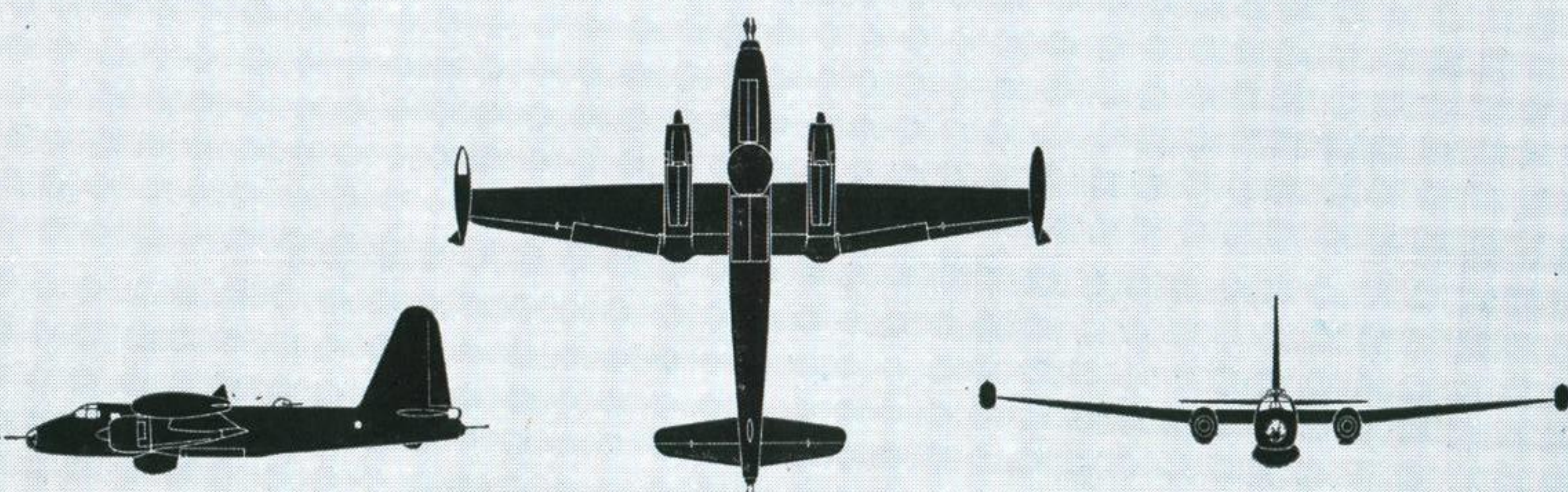
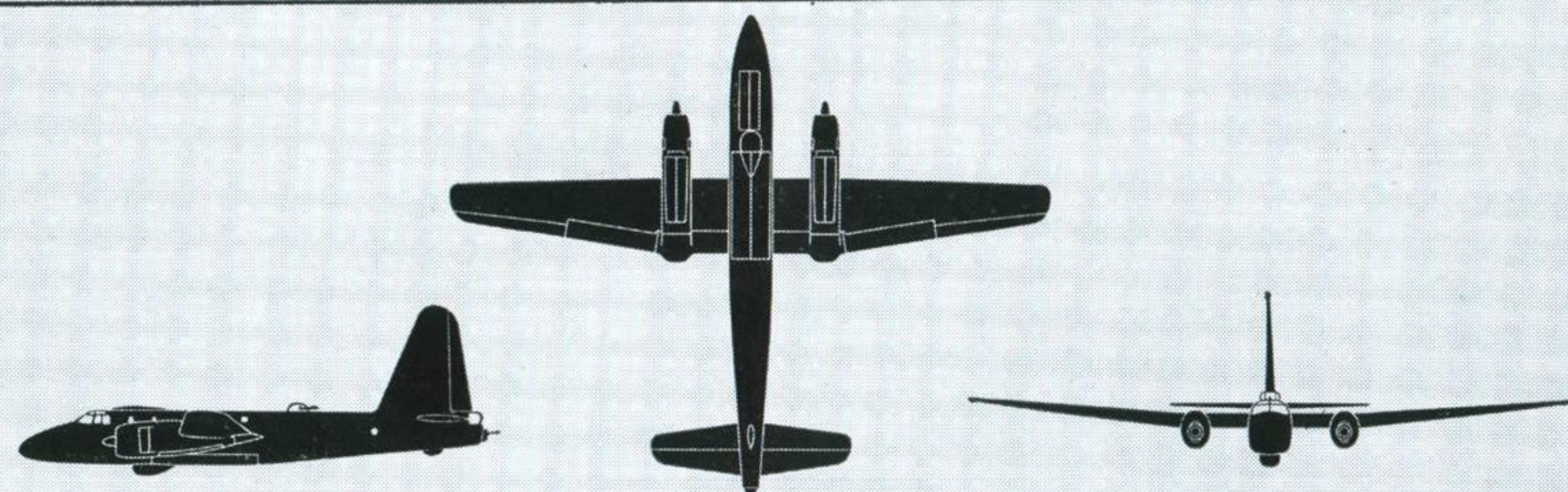
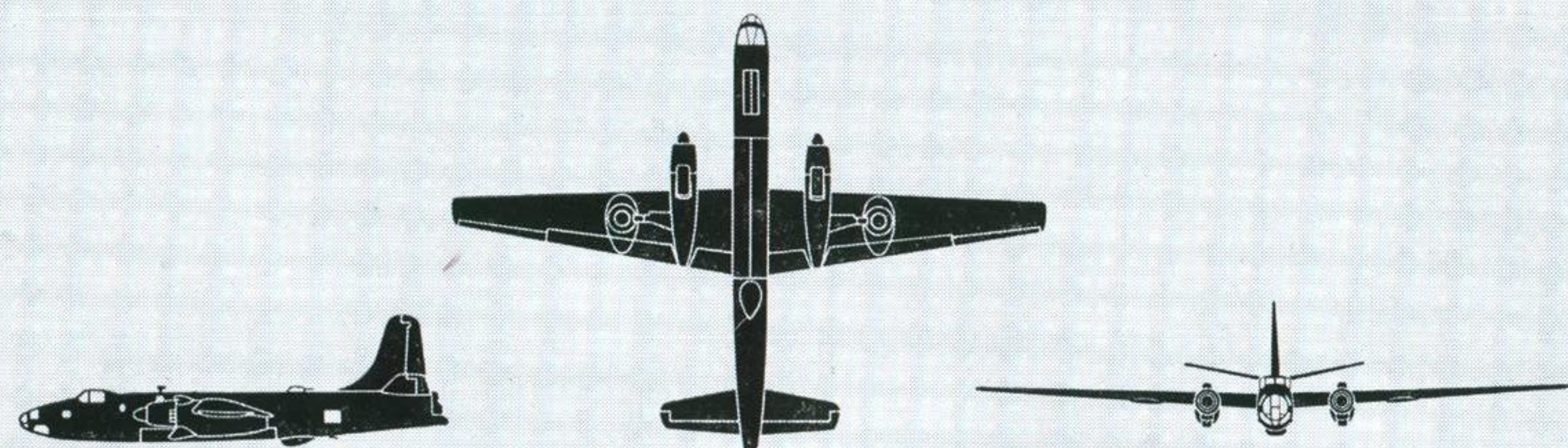
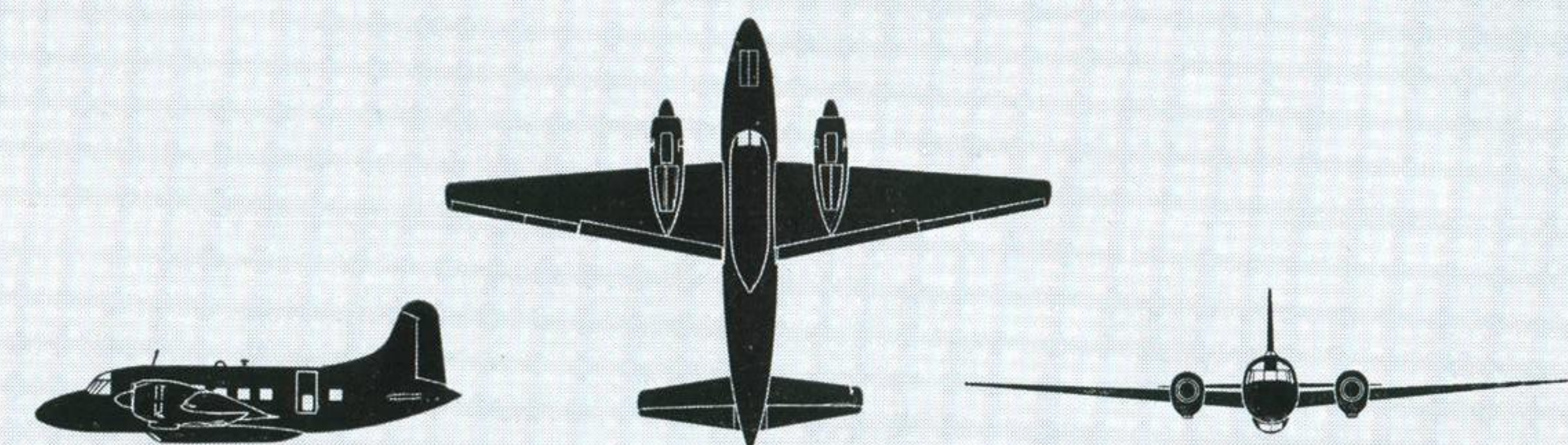
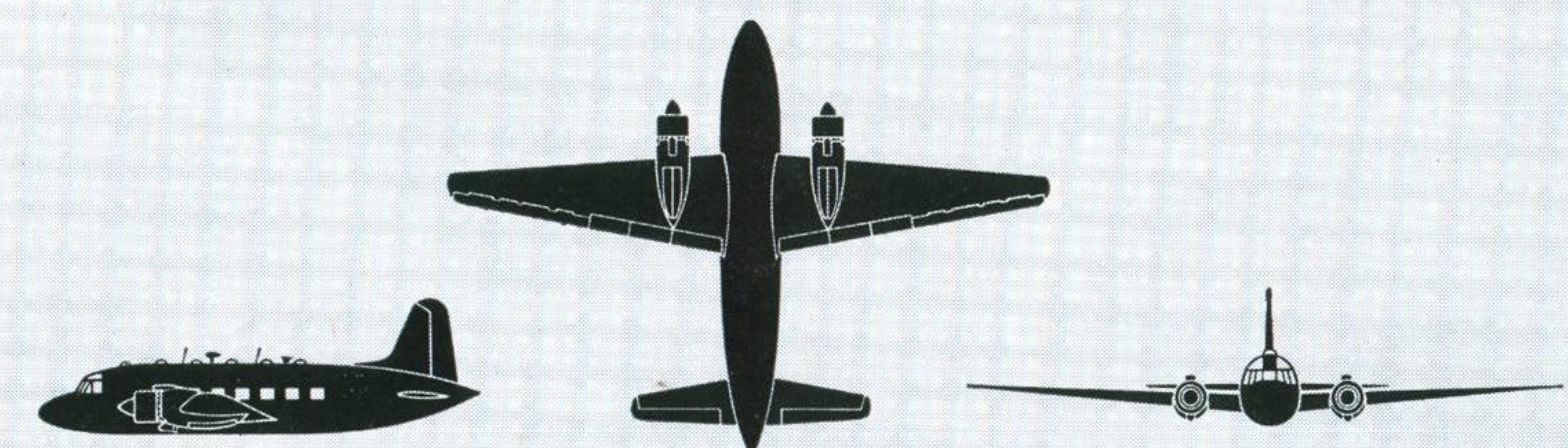
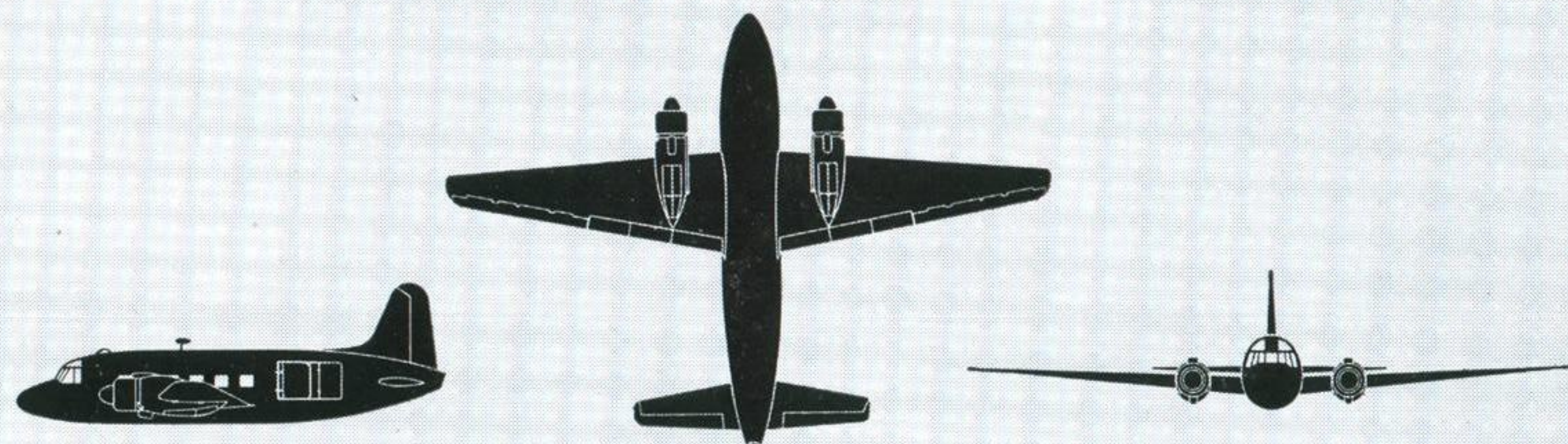
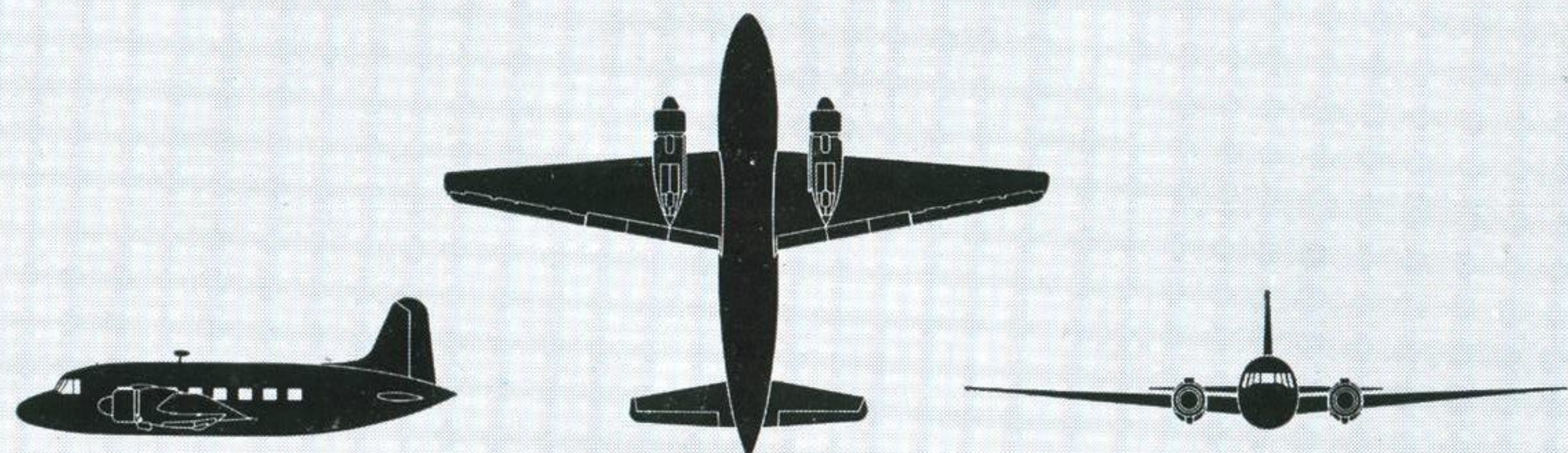
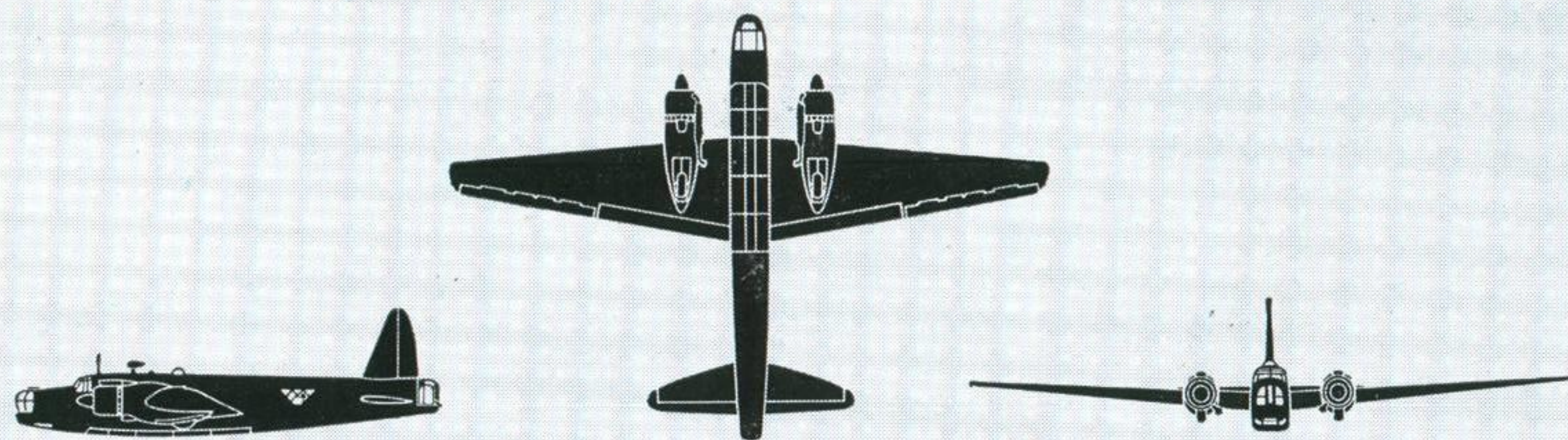
(Two P. & W Double Wasp radial)  
Span : 105 ft. 8 in.  
Length : 79 ft. 2 in.

### Ilyushin **IL-12**

(Two ASL-82FNV radial)  
Span: 104 ft. Length: 69 ft. 11 in.







## TWIN (PROP) TYPES

Vickers  
**WELLINGTON T Mk. 10**  
 (Two Bristol Hercules radial)  
 Span : 86 ft. 2 in. Length : 61 ft.

Vickers  
**VIKING Mk. 1B**  
 (Two Bristol Hercules radial)  
 Span : 89 ft. 3 in.  
 Length : 65 ft. 2 in.

Vickers  
**VALETTA C Mk. 1**  
 (Two Bristol Hercules radial)  
 Span : 89 ft. 3 in.  
 Length : 62 ft. 11 in.

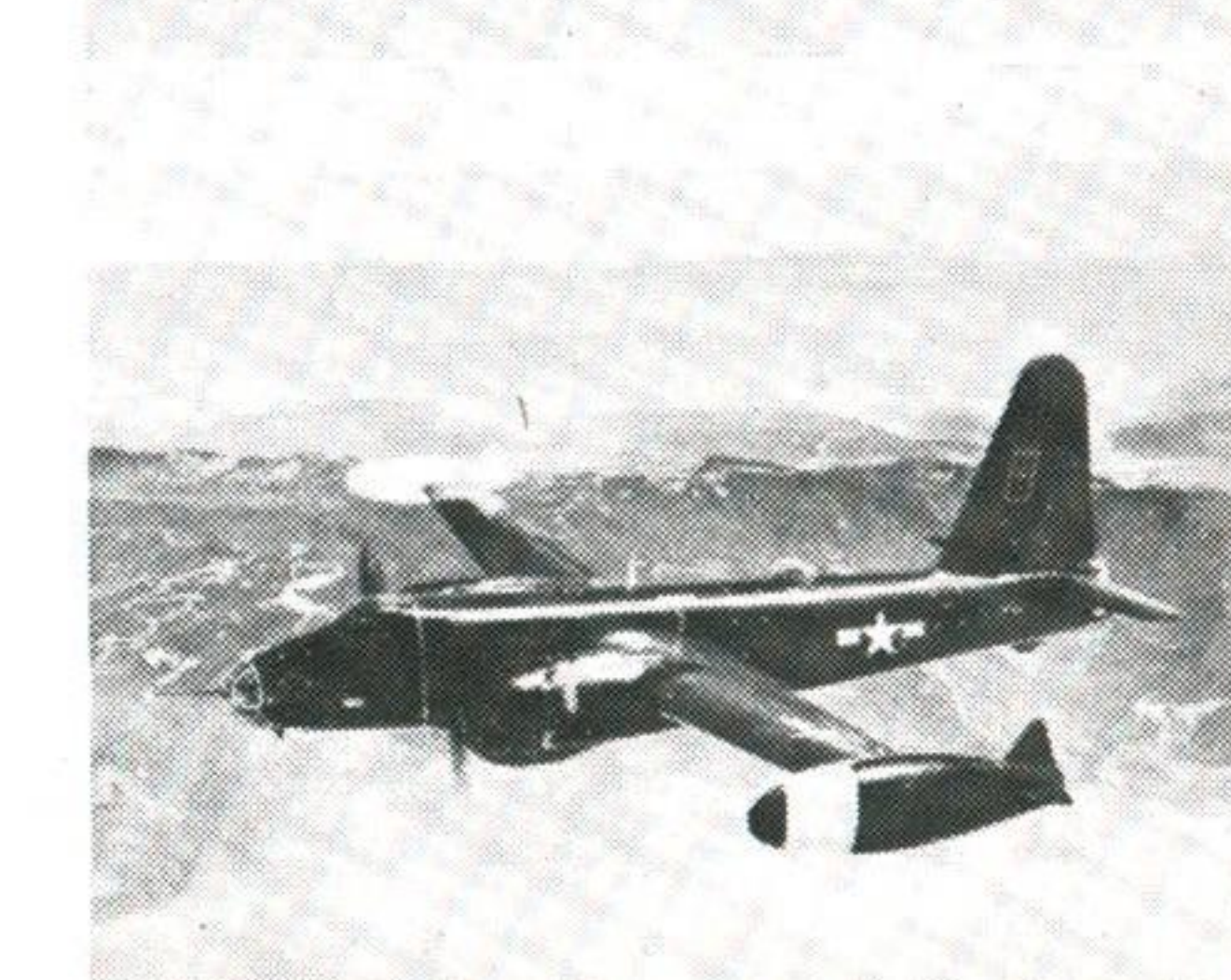
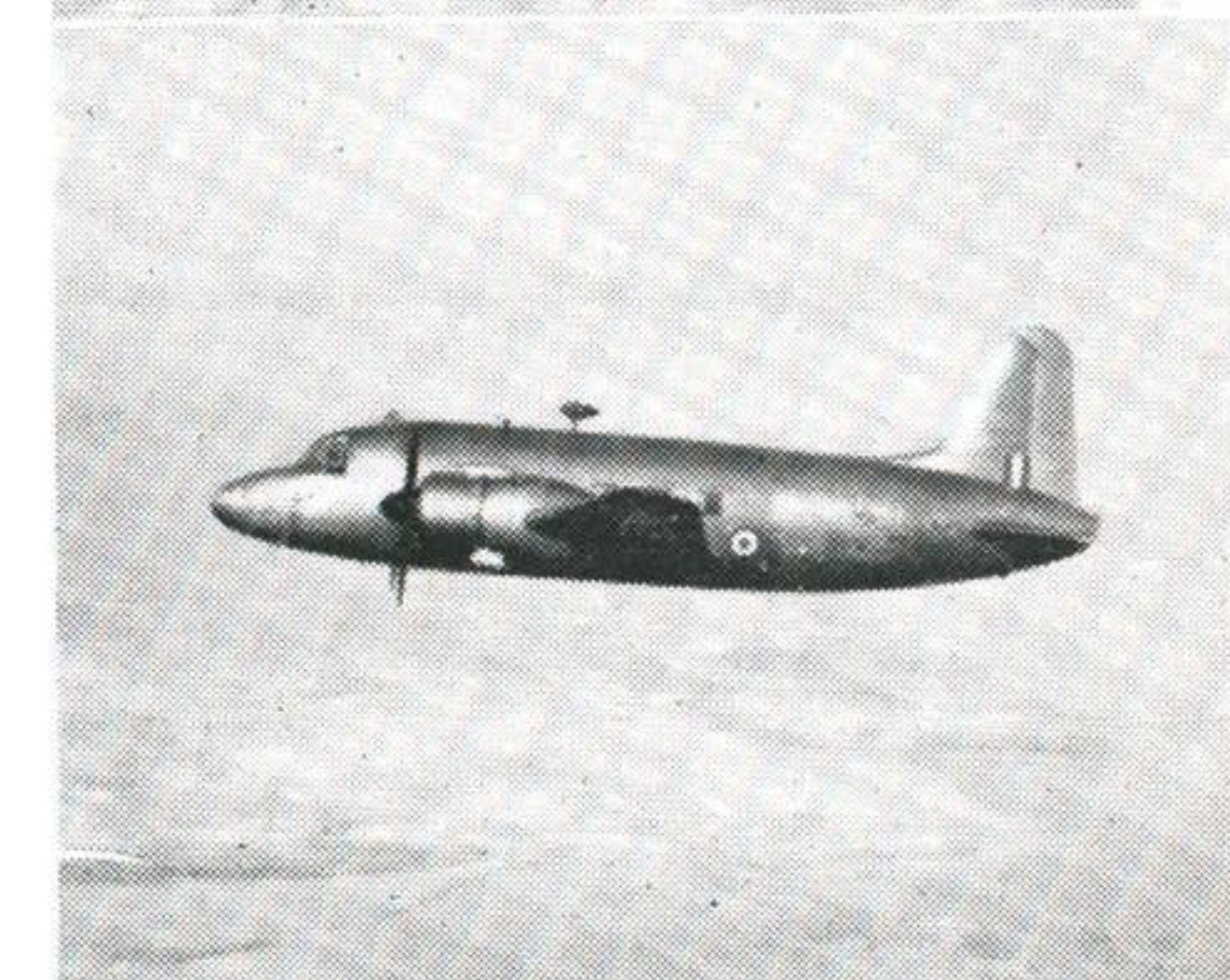
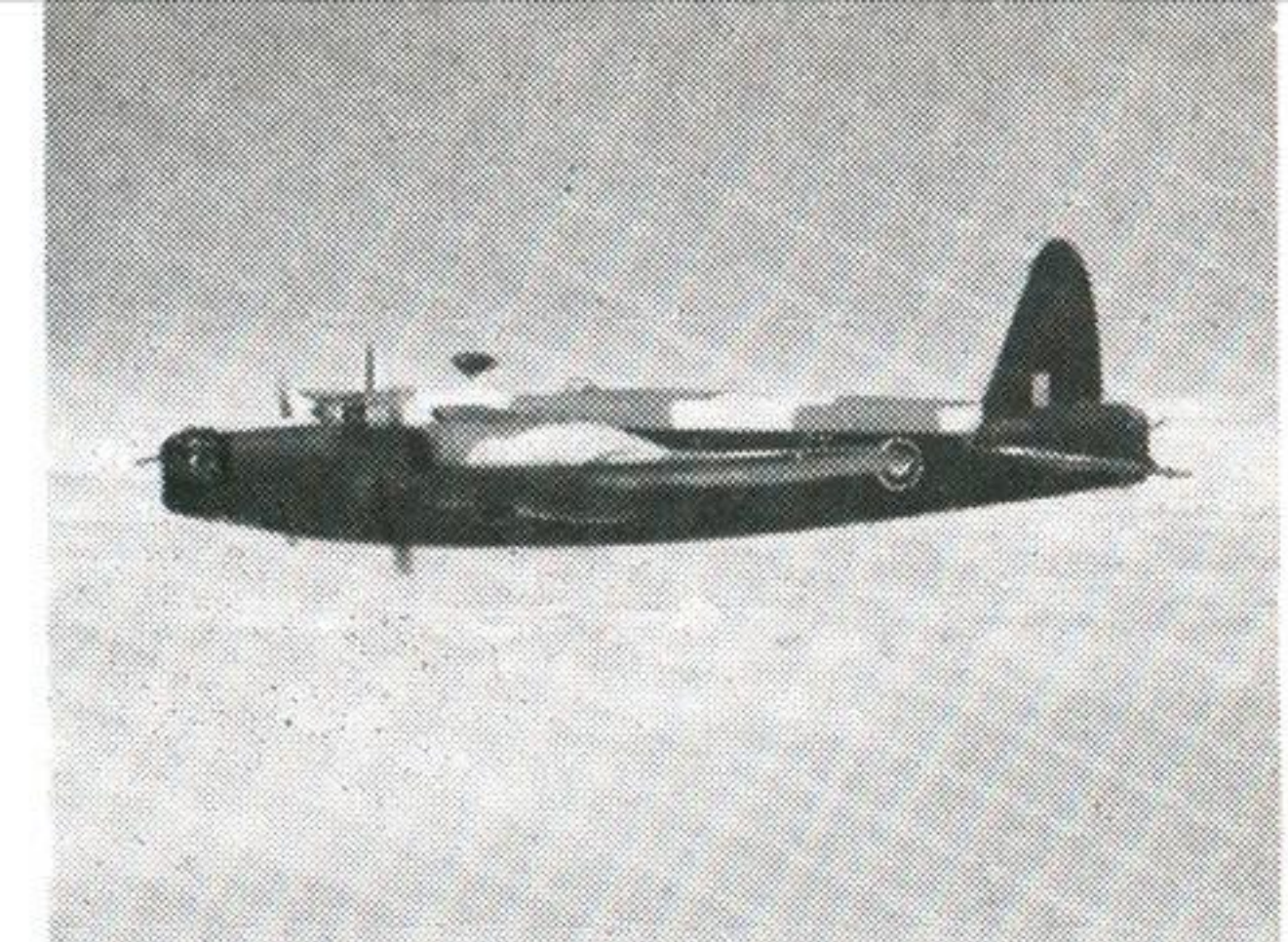
Vickers  
**VALETTA T Mk. 3**  
 (Two Bristol Hercules radial)  
 Span : 89 ft. 3 in.  
 Length : 65 ft. 2 in.

Vickers  
**VARSITY T Mk. 1**  
 (Two Bristol Hercules radial)  
 Span : 95 ft. 7 in.  
 Length : 67 ft. 6 in.

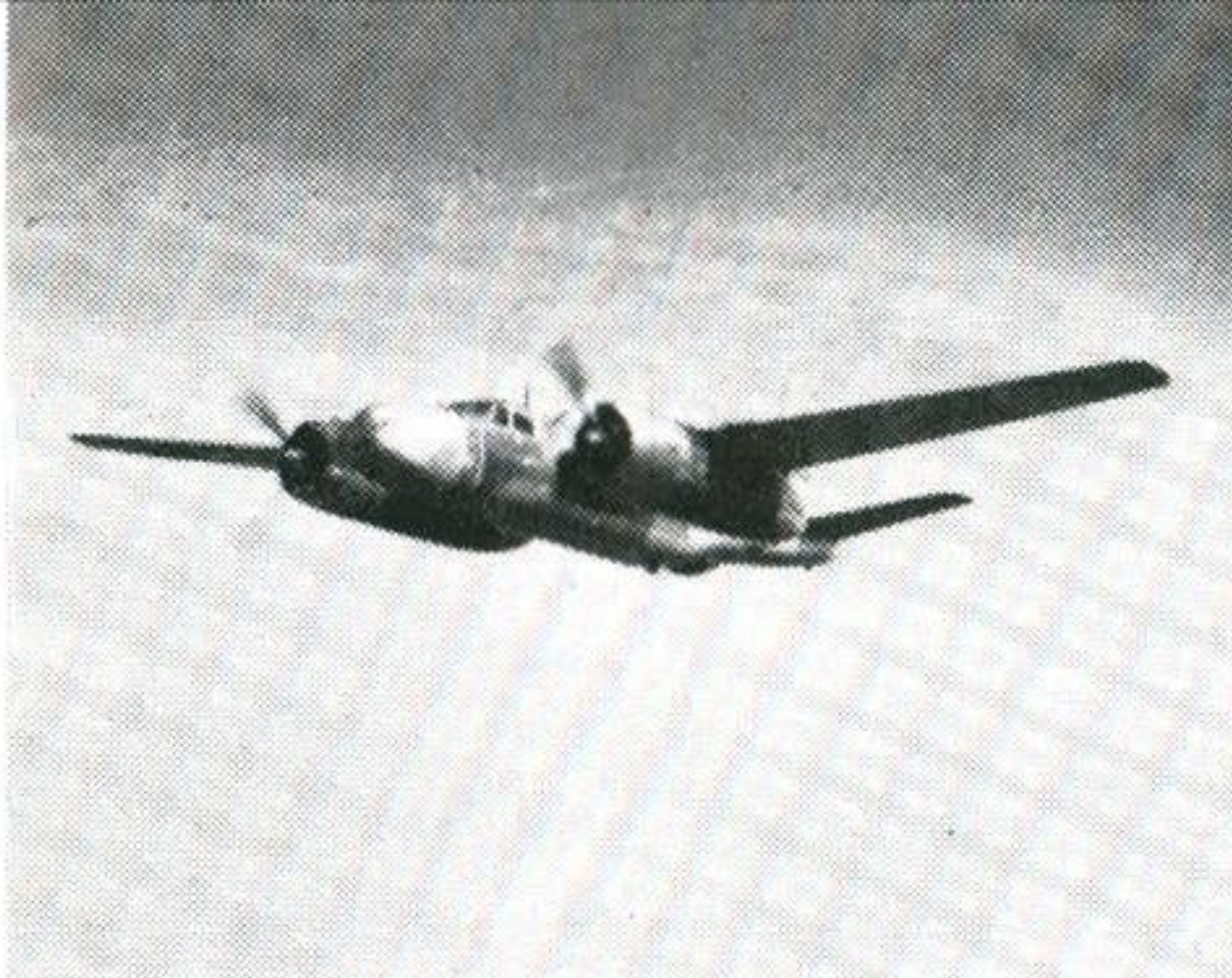
Martin  
**MERCATOR**  
 USN : P4M-1  
 (Two P & W Wasp Major radial  
 and two Allison J.33 jet units)  
 Span : 114 ft. Length : 85 ft.

Lockheed  
**NEPTUNE**  
 USN : P2V-2  
 (Two Wright Cyclone radial)  
 Span : 100 ft. Length : 76 ft. 10 in.

Lockheed  
**NEPTUNE MR Mk. 1**  
 USN : P2V-5  
 (Two Wright Cyclone radial)  
 Span : 104 ft. 6 in. Length : 84 ft.







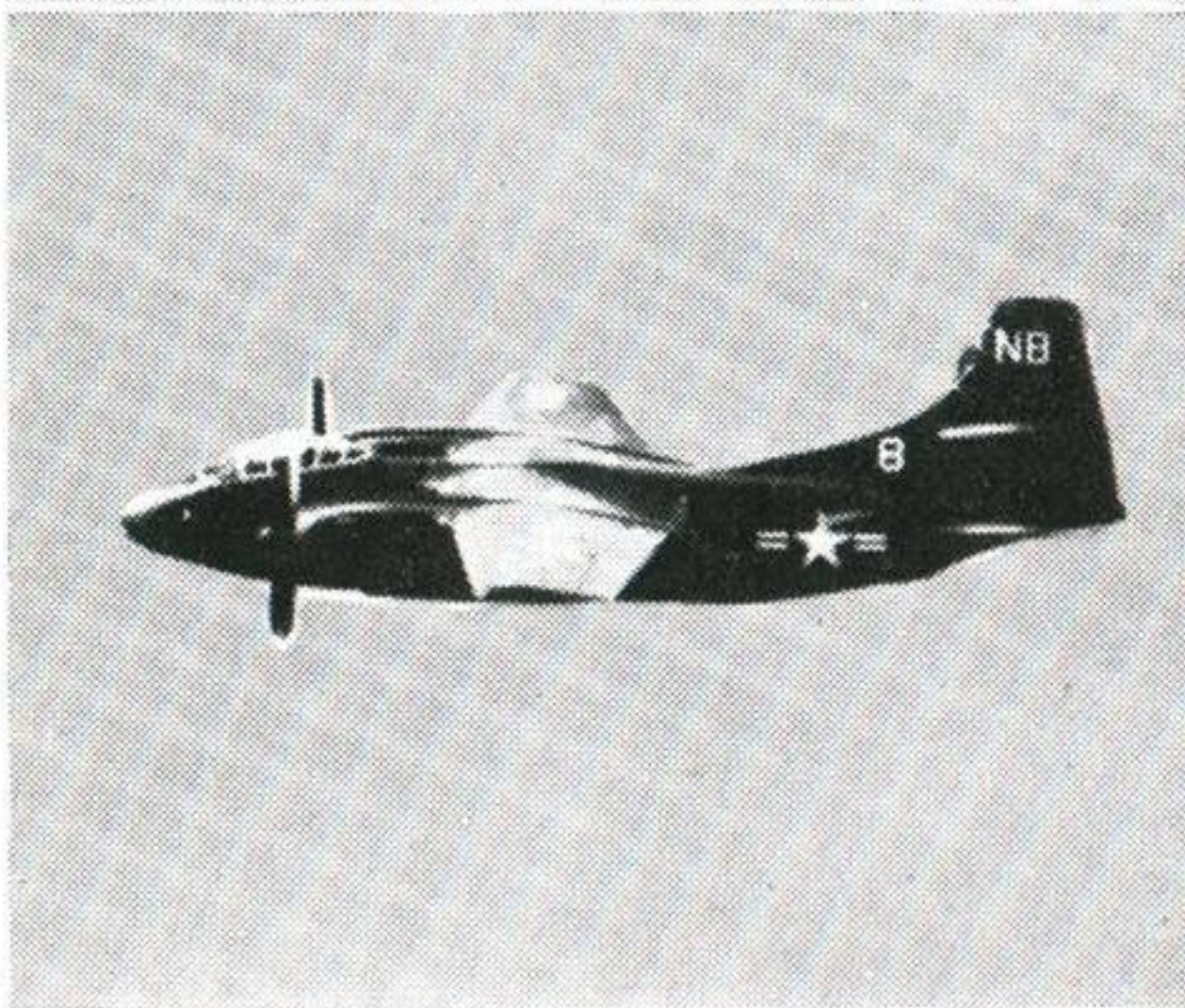
## TWIN (PROP) TYPES

Douglas  
**INVADER**

USAF : B-26

(Two P & W Double Wasp radial)

Span : 70 ft. Length : 49 ft. 4 in.



North American  
**SAVAGE**

USN : AJ-1

(Two P & W Double Wasp radial  
and one Allison J-33A turbojet)

Span : 75 ft. 2 in. Length : 63 ft.



Percival

**SEA PRINCE T Mk. 1**

(Two Alvis Leonides 24 radial)

Span : 56 ft. Length : 46 ft. 4 in.



Bristol

**FREIGHTER Mk. 21**

(Two Bristol Hercules radial)

Span : 108 ft. Length : 68 ft. 4 in.



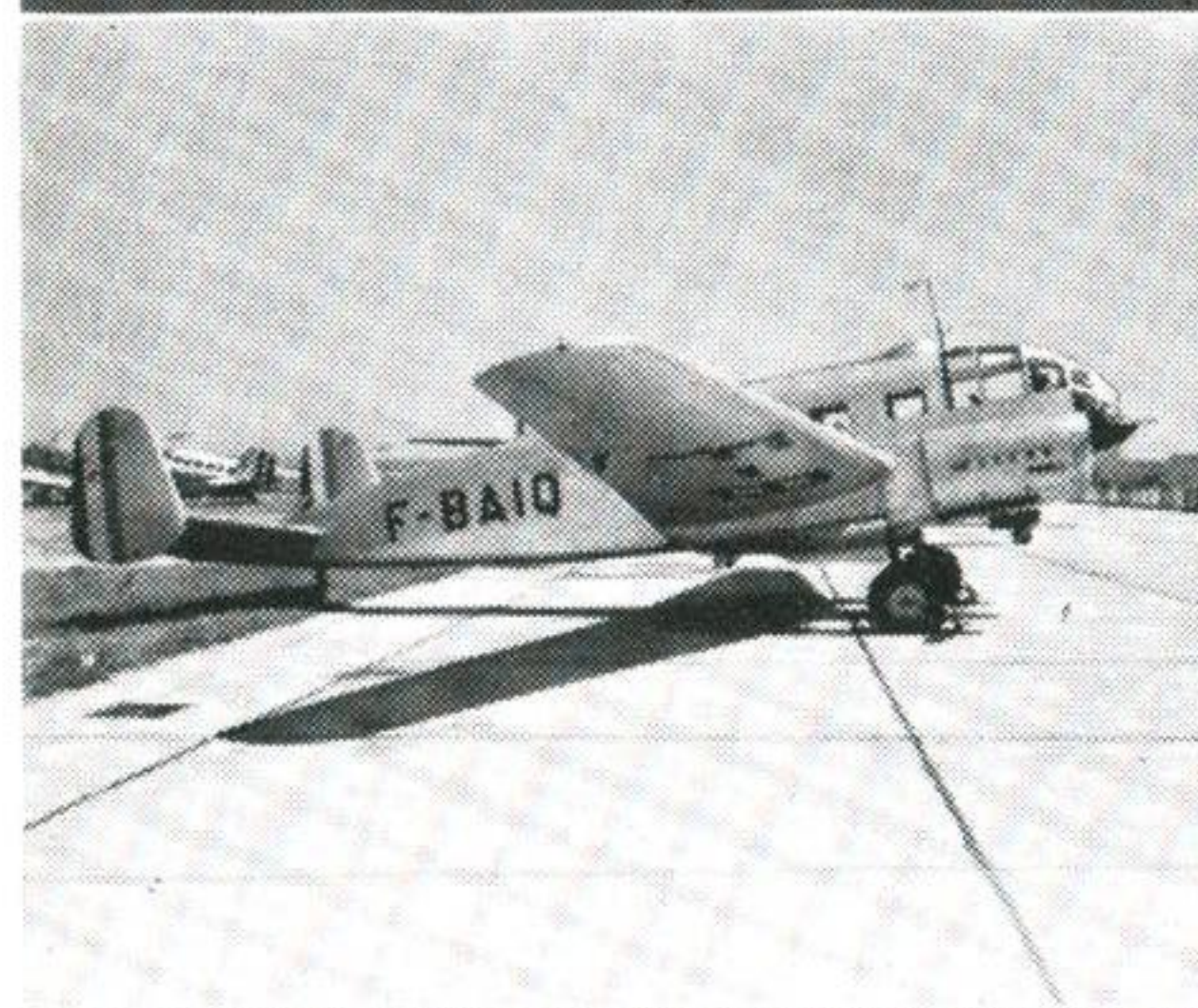
Miles

**GEMINI Mk. 1A**

(Two Cirrus Minor in-line)

Span : 36 ft. 2 in.

Length : 22 ft. 2 in.



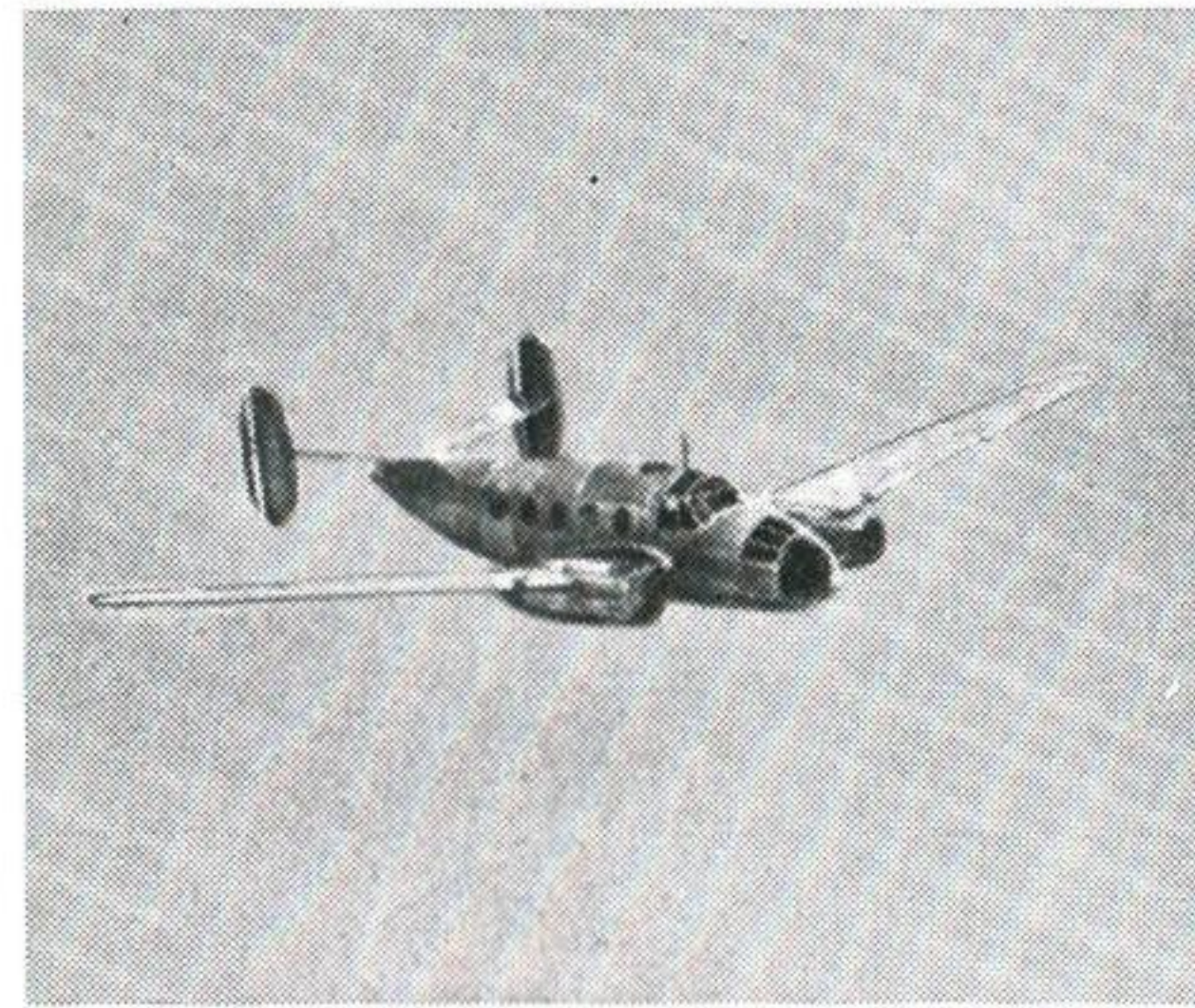
Aerocentre

**NC-701**

(Siebel Si 204D)

(Two Argus in-line)

Span : 70 ft. Length : 39 ft. 6 in.



Dassault

**FLAMANT (MD-315)**

(Two Renault in-line)

Span : 67 ft. 9 in. Length : 41 ft.



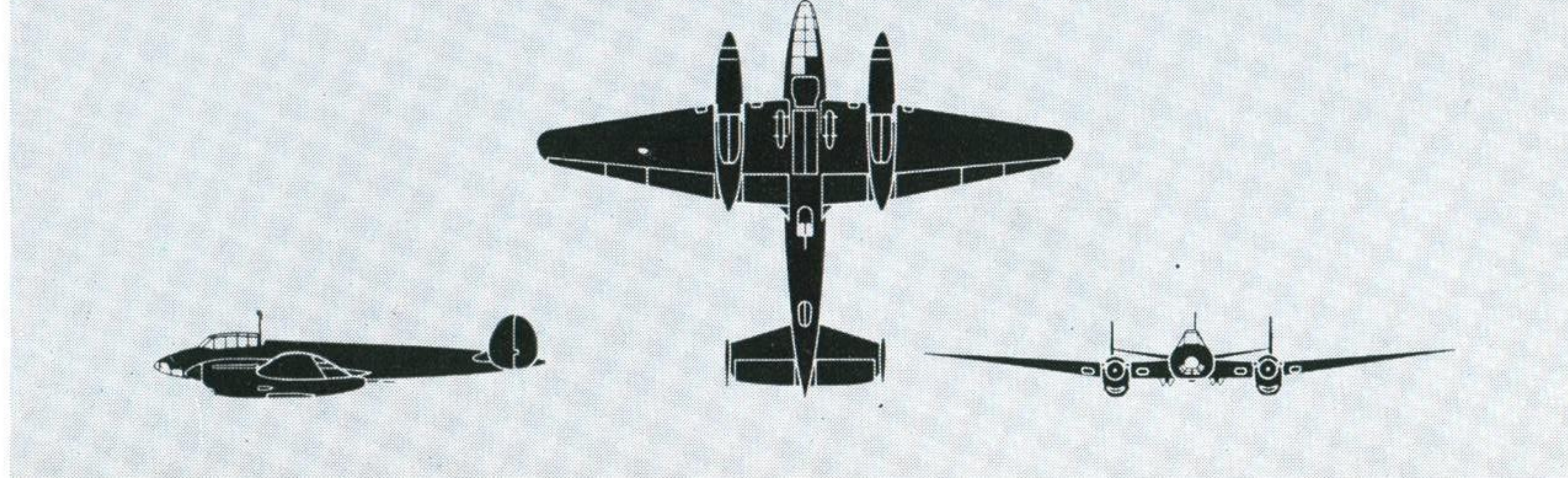
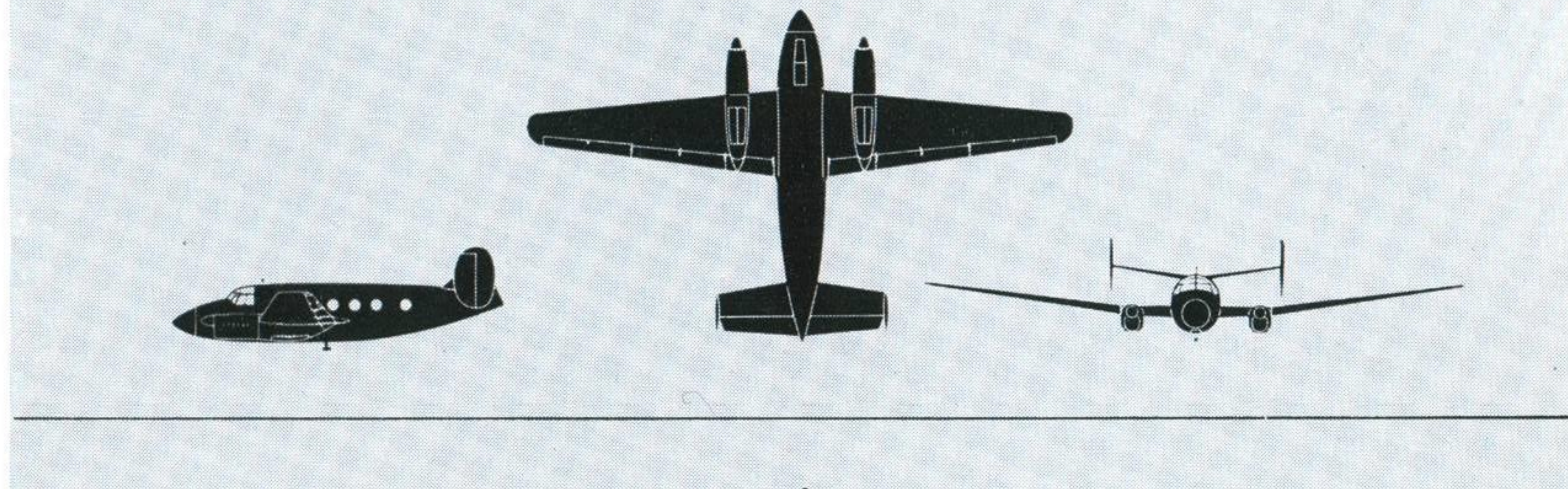
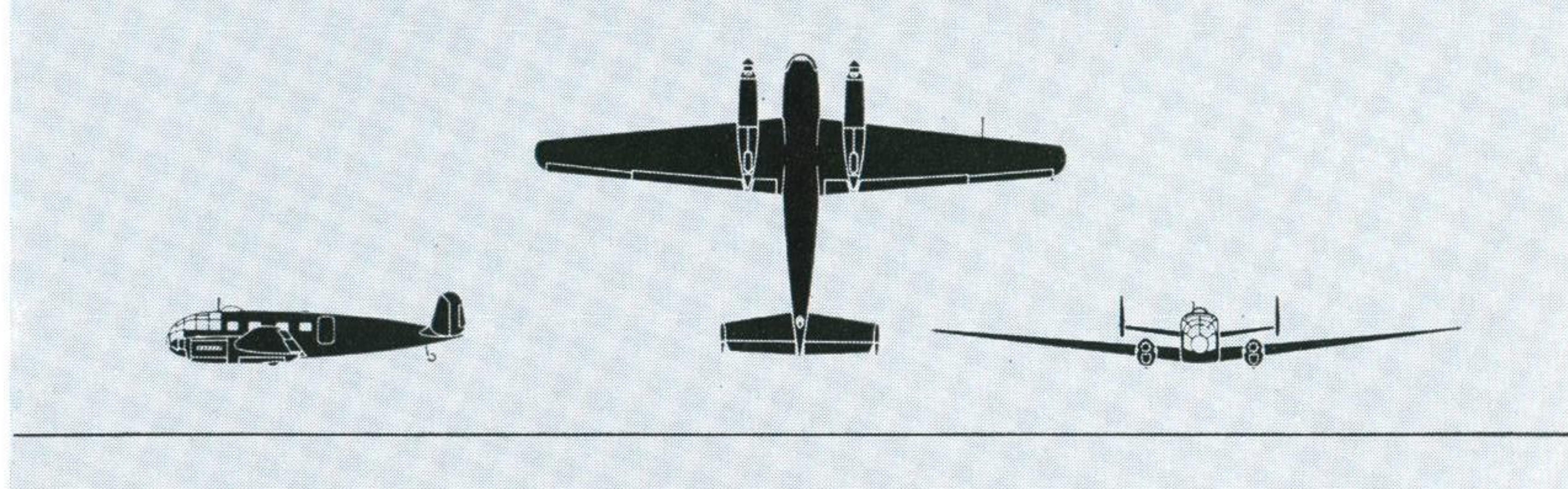
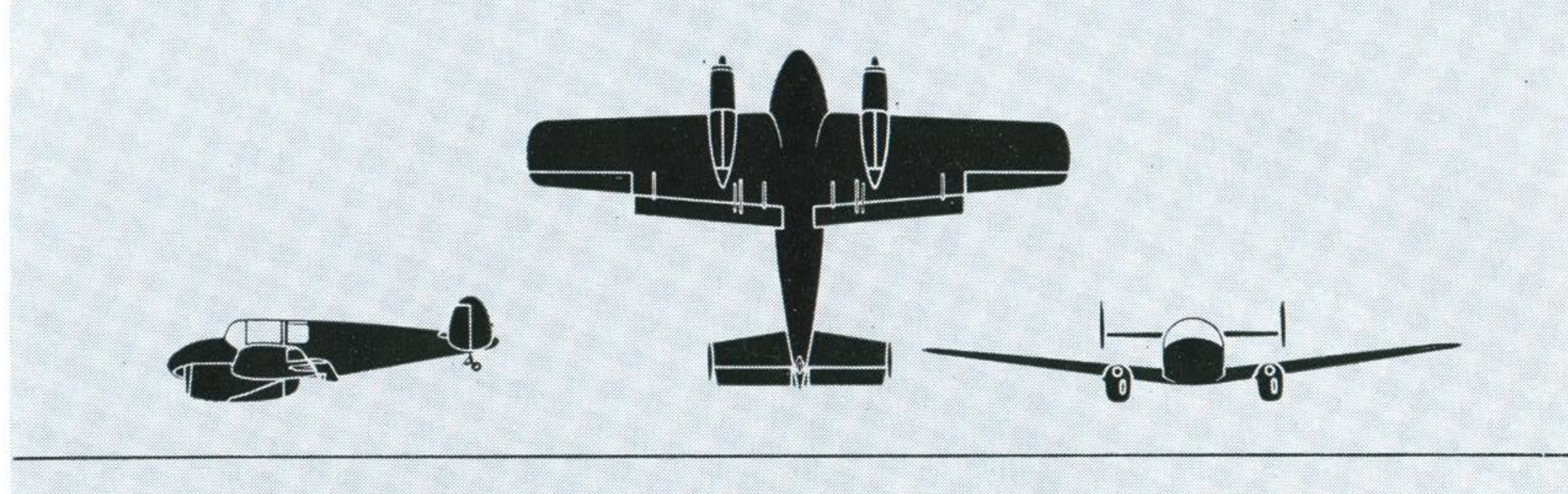
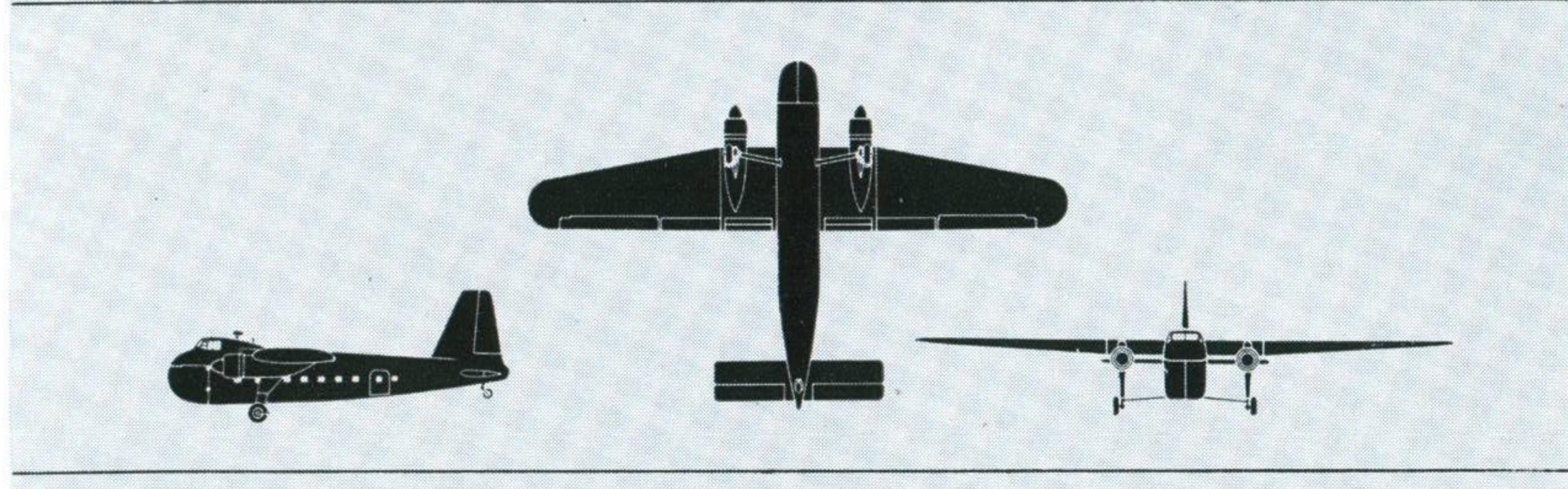
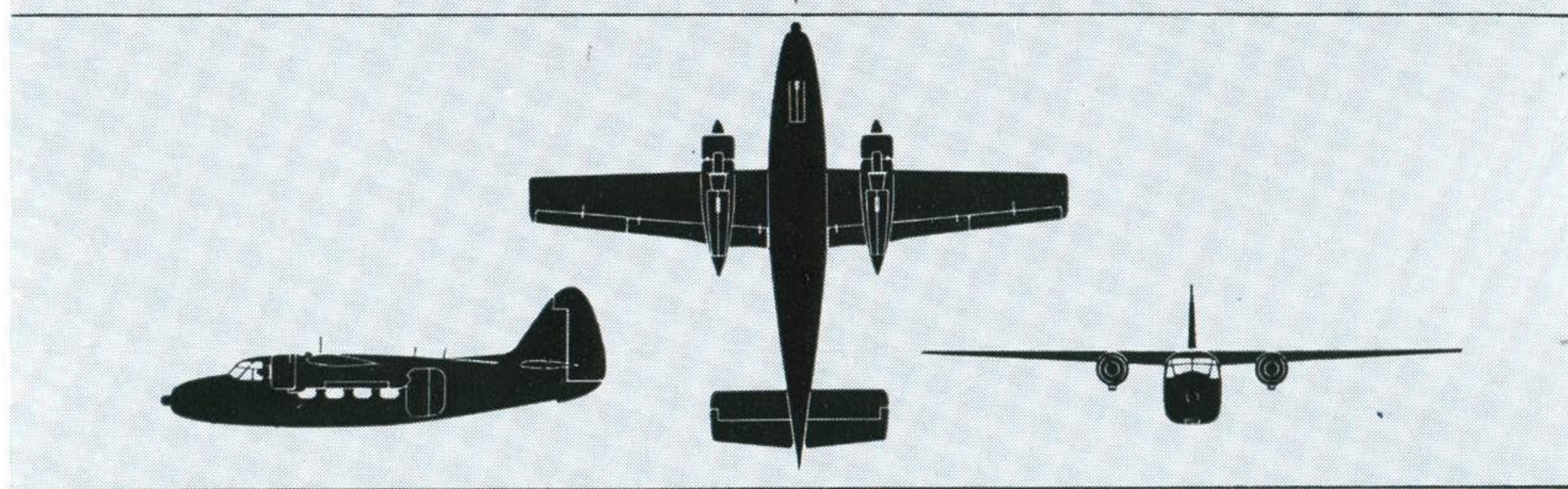
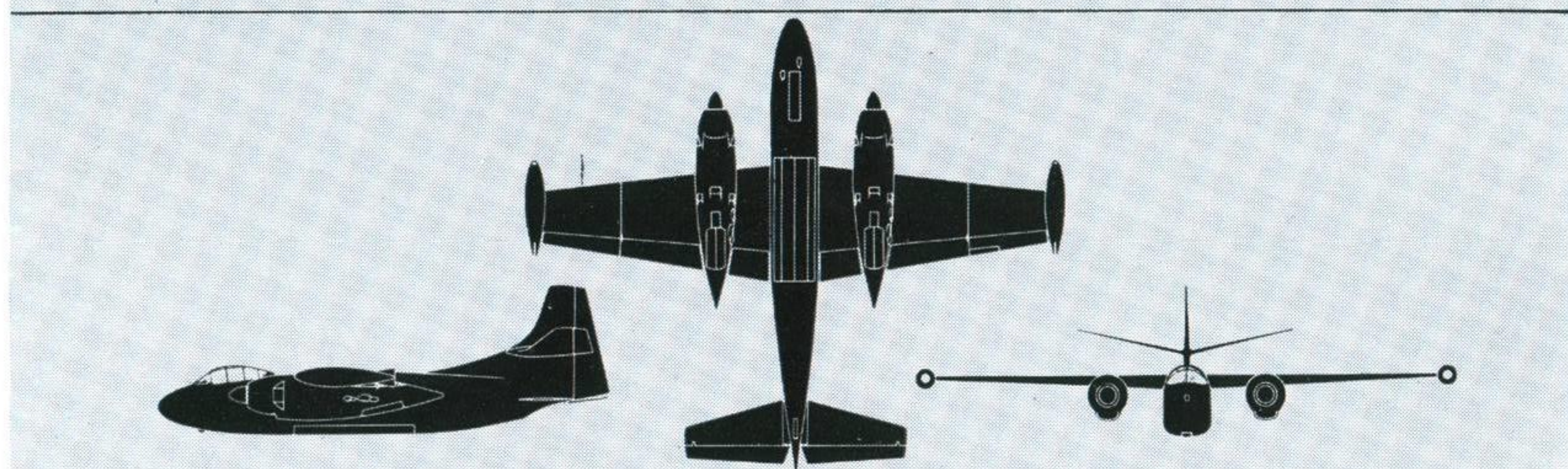
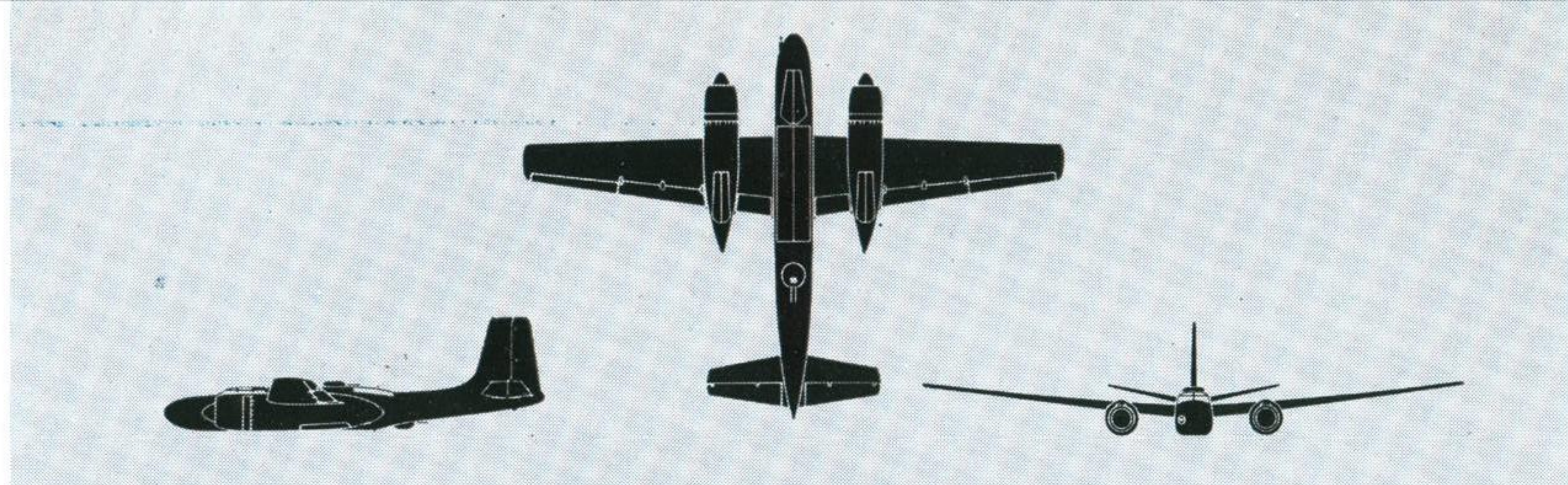
Petlyakov

**PE-2**

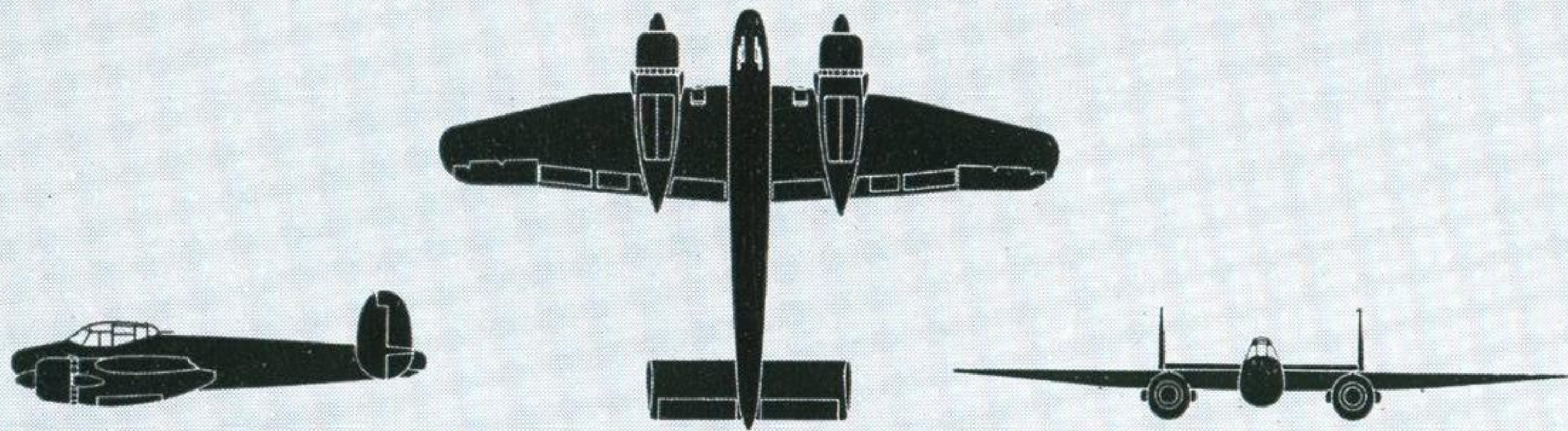
(Two VK-105R in-line)

Span : 56 ft. 1 in.

Length : 41 ft. 6 in.







## TWIN (PROP) TYPES

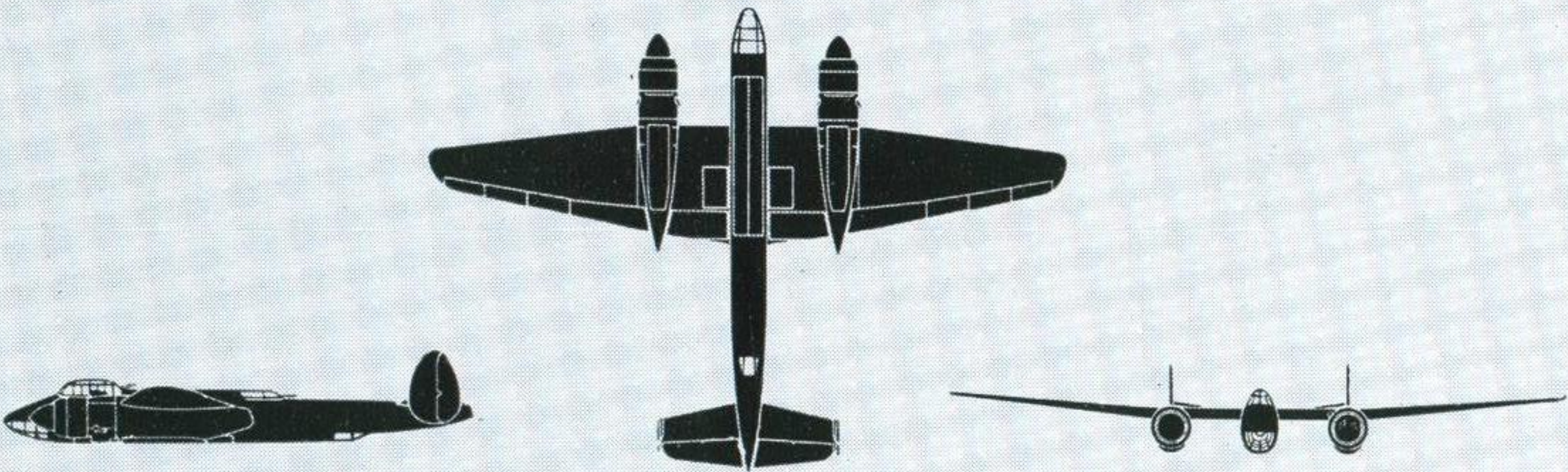
Bristol

### BRIGAND B Mk. 1

(Two Bristol Centaurus radial)

Span : 72 ft. 4 in.

Length : 46 ft. 5 in.



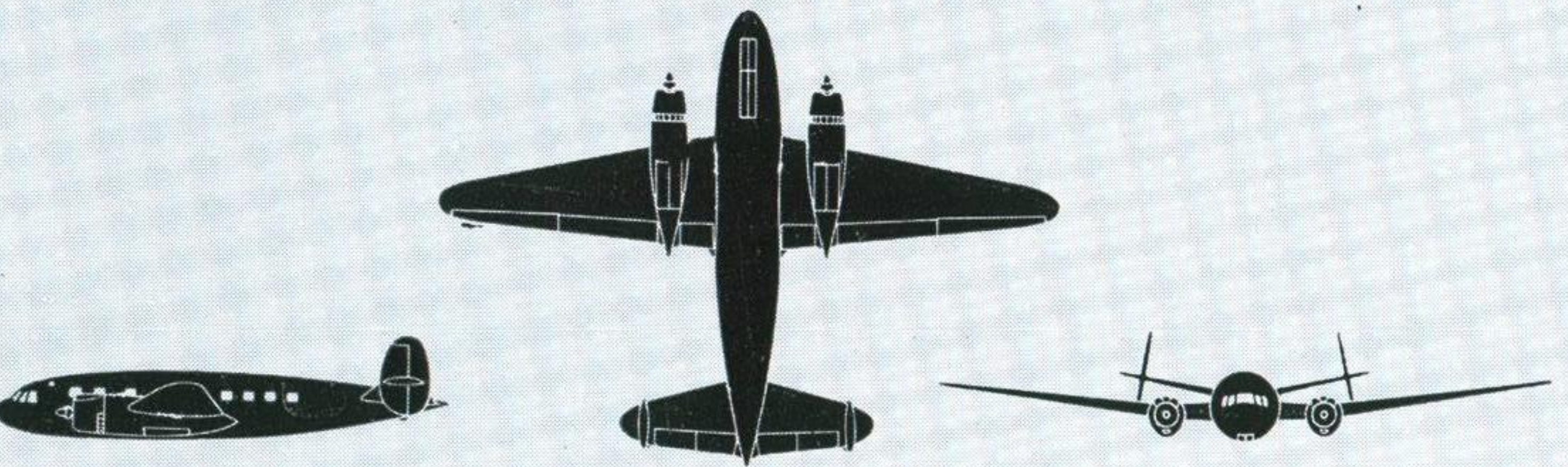
Tupolev

### TU-2

(Two ASL-82 FNV radial)

Span : 60 ft. 11 in.

Length : 45 ft. 3 in.



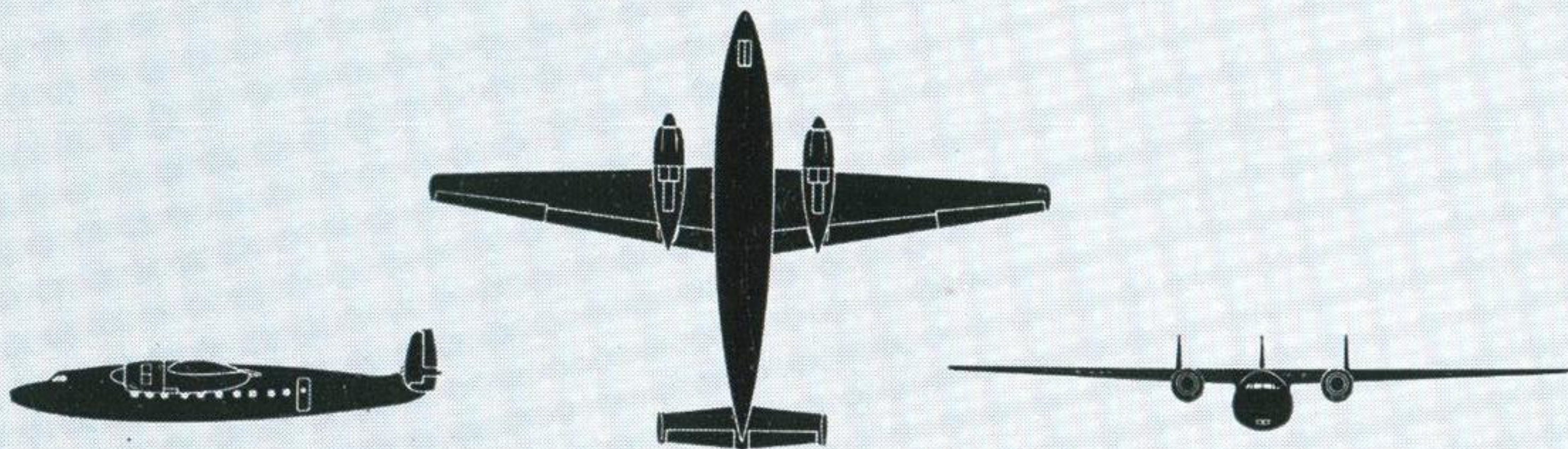
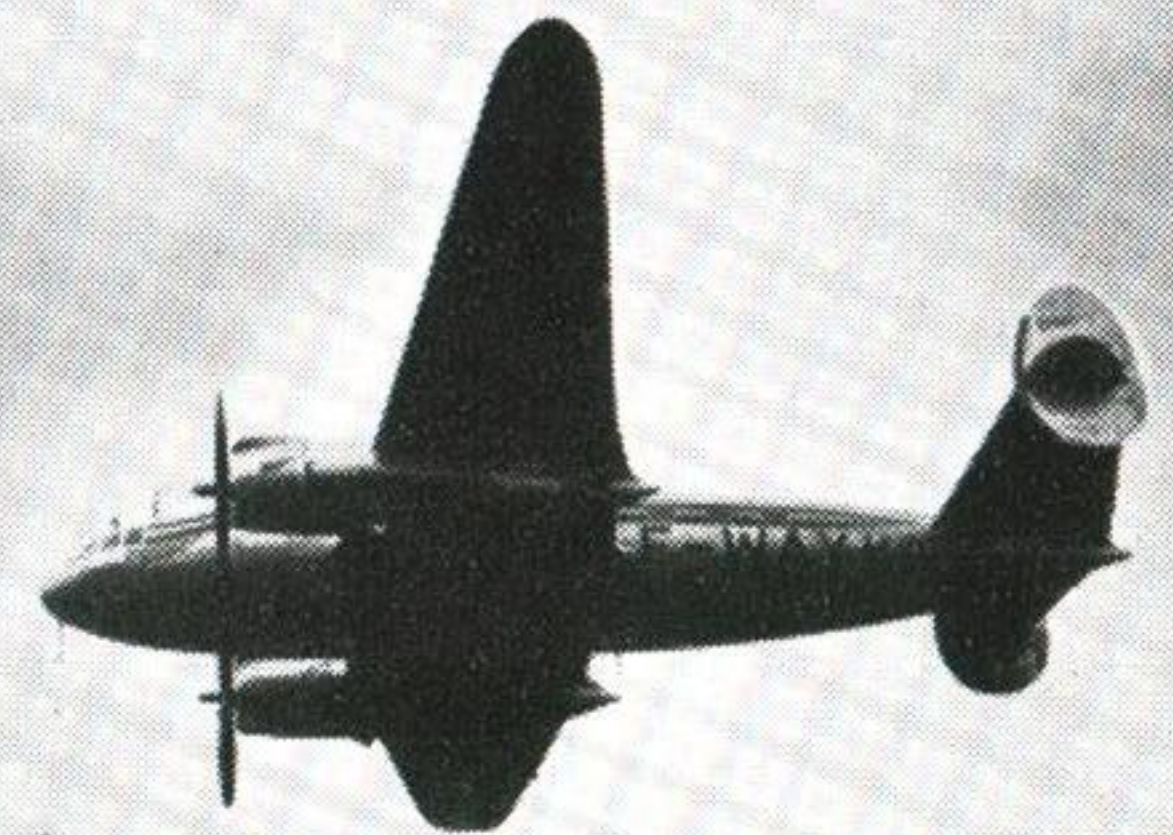
SNCASO

### BRETAGNE (SO.30P)

(Two P & W Double Wasp radial)

Span : 88 ft. 2 in.

Length : 62 ft. 2 in.

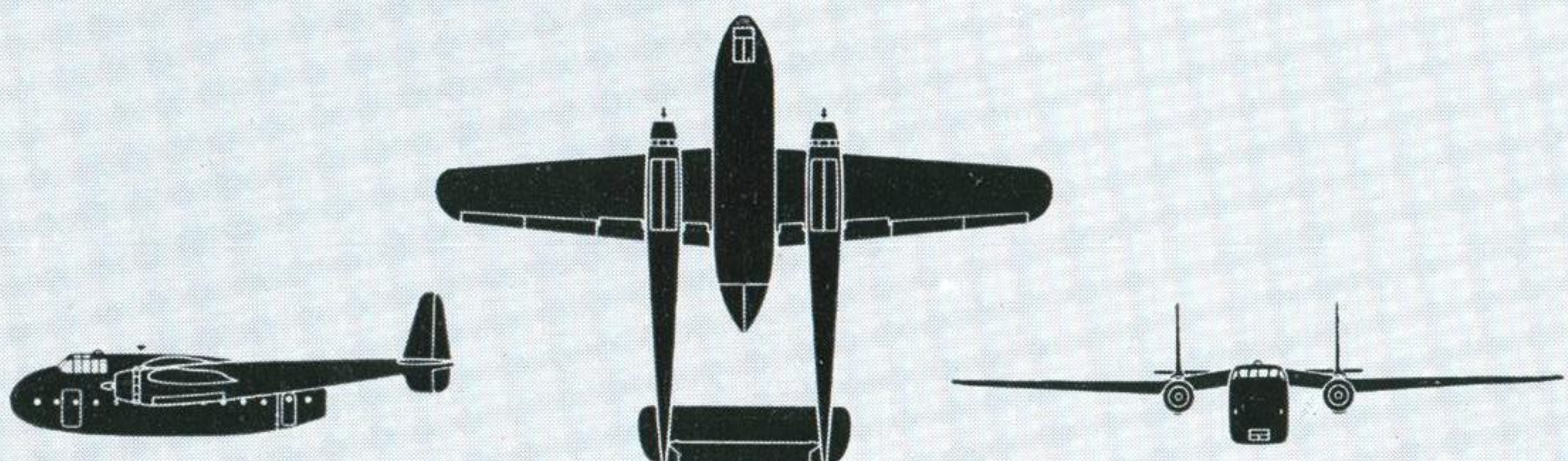


Airspeed

### AMBASSADOR

(Two Bristol Centaurus radial)

Span : 115 ft. Length : 81 ft. 4 in.



Fairchild

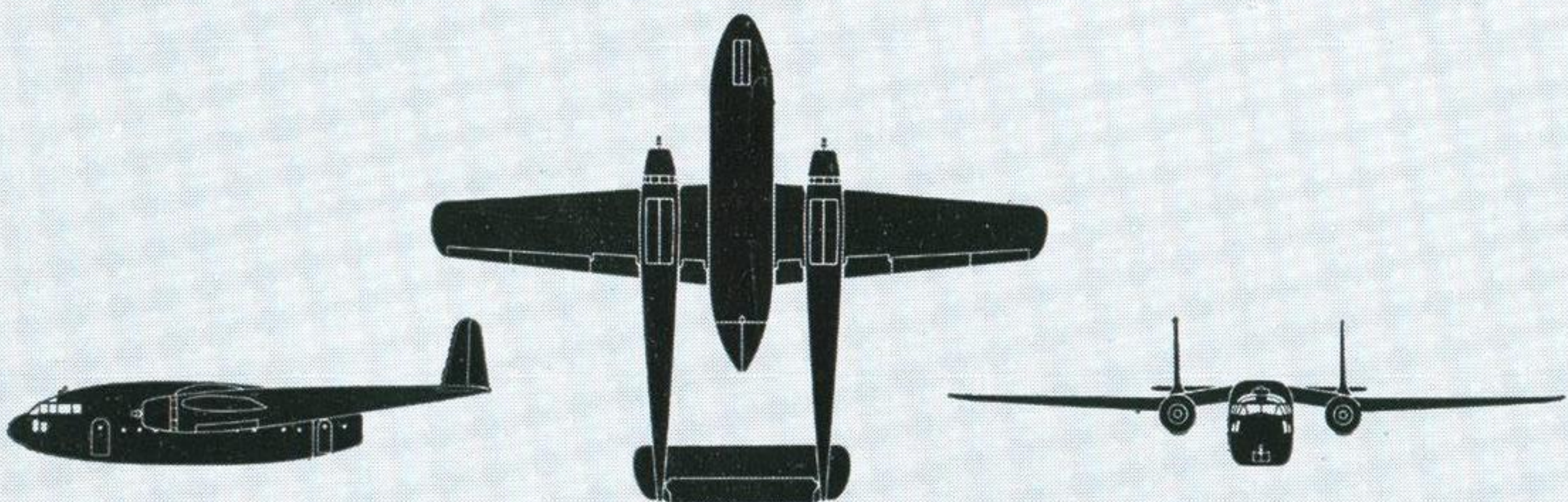
### PACKET

USAF : C-82

(Two P & W Double Wasp radial)

Span : 106 ft. 6 in.

Length : 77 ft. 1 in.



Fairchild

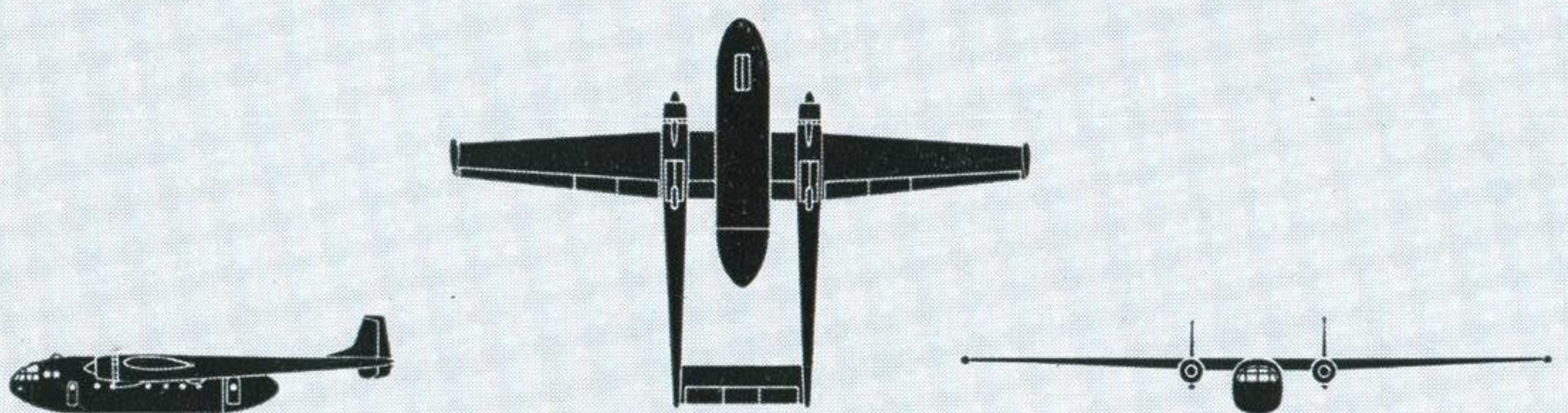
### PACKET

USAF : C-119B

(Two P & W Wasp Major radial)

Span : 109 ft. 3 in.

Length : 85 ft. 10 in.



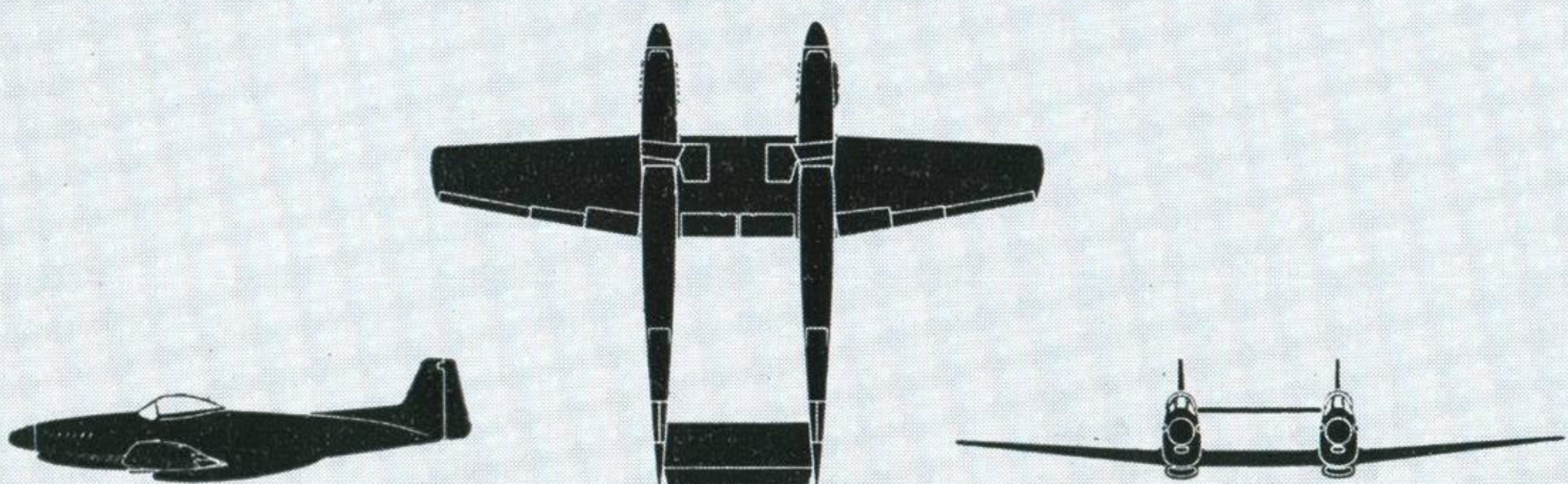
Nord

### NORATLAS

(Two Bristol Hercules radial)

Span : 106 ft. 7 in.

Length : 71 ft. 6 in.



North American

### TWIN MUSTANG

USAF : F-82

(Two Allison in-line)

Span : 51 ft. 3 in. Length : 39 ft.





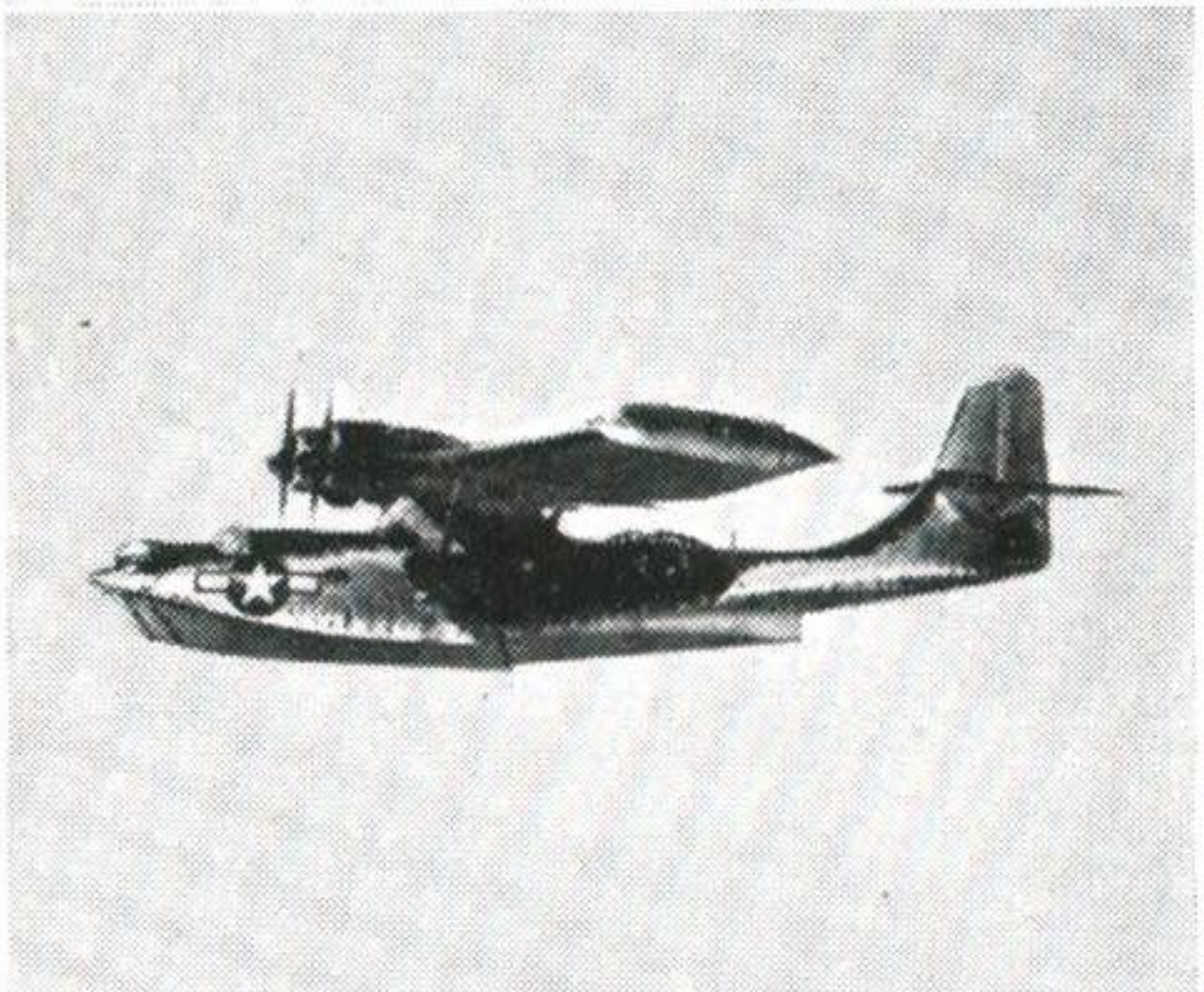


## FLYING BOATS

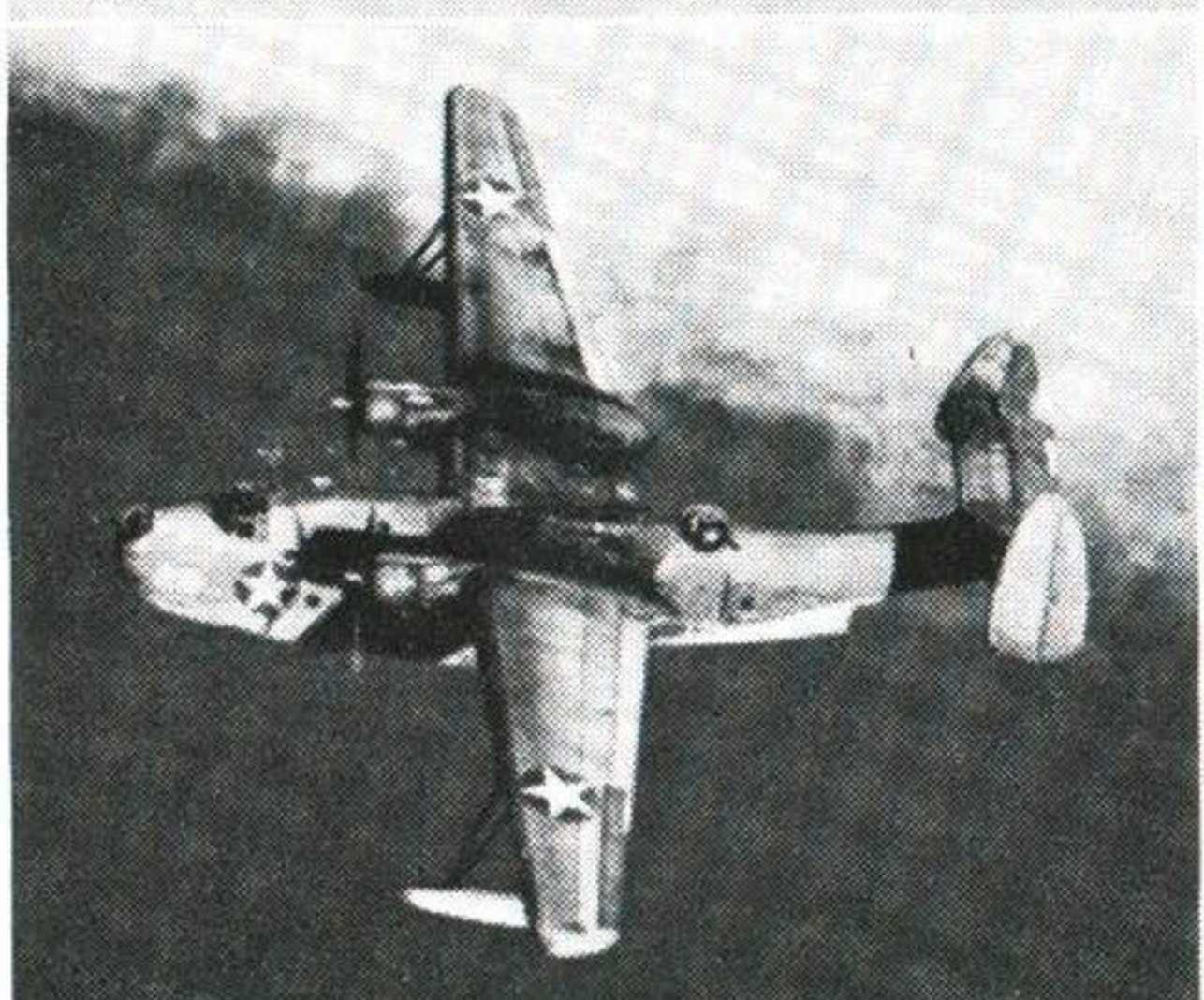
Short  
**SEALAND Mk. 1**  
 (Two D.H. Gipsy Queen 70 in-line)  
**Span : 61 ft. 6 in.**  
**Length : 42 ft. 2 in.**



Grumman  
**ALBATROSS**  
 USAF : SA-16A ; USN : UF-1  
 (Two Wright Cyclone radial)  
**Span : 80 ft.** **Length : 61 ft. 4 in.**



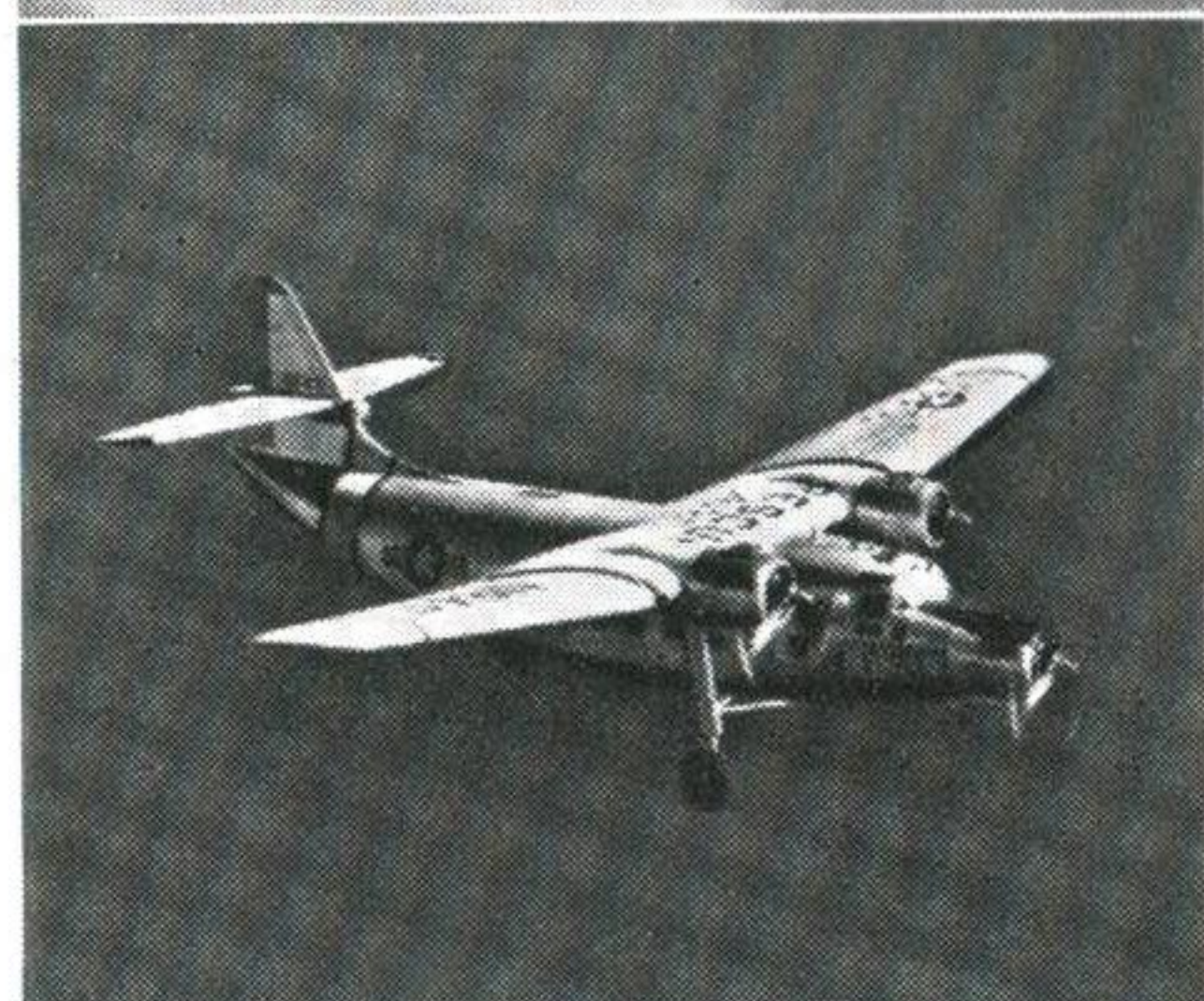
Convair  
**CATALINA**  
 USN : PBN-1  
 (Two P & W Twin Wasp radial)  
**Span : 104 ft.** **Length : 63 ft.**



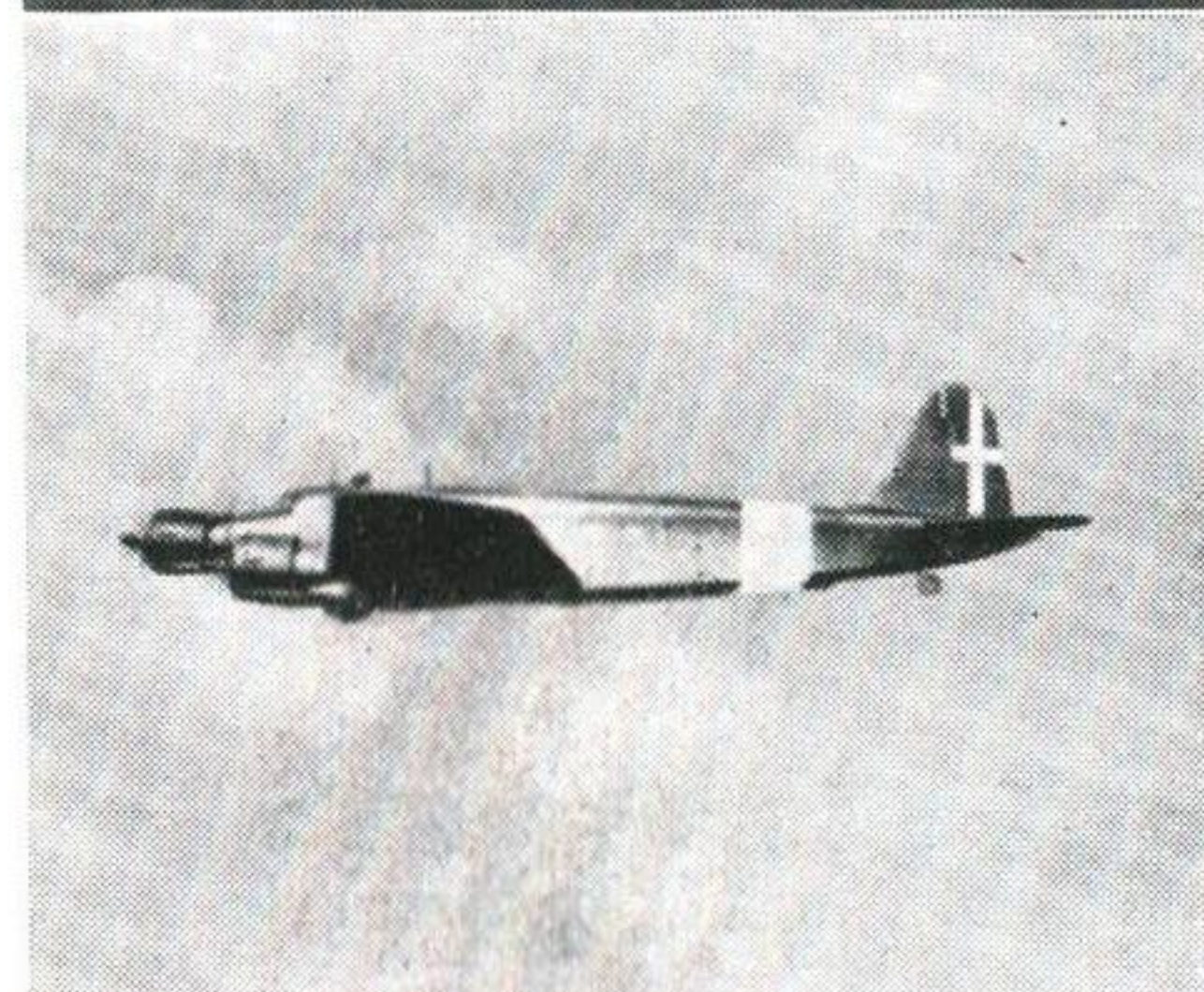
Martin  
**MARINER**  
 USN : PBM-5  
 (Two P & W Double Wasp radial)  
**Span : 118 ft.** **Length : 78 ft. 9 in.**



Martin  
**MARLIN**  
 USN : P5M-1  
 (Two Wright Turbo-Cyclone radial)  
**Span : 118 ft.** **Length : 90 ft. 3 in.**



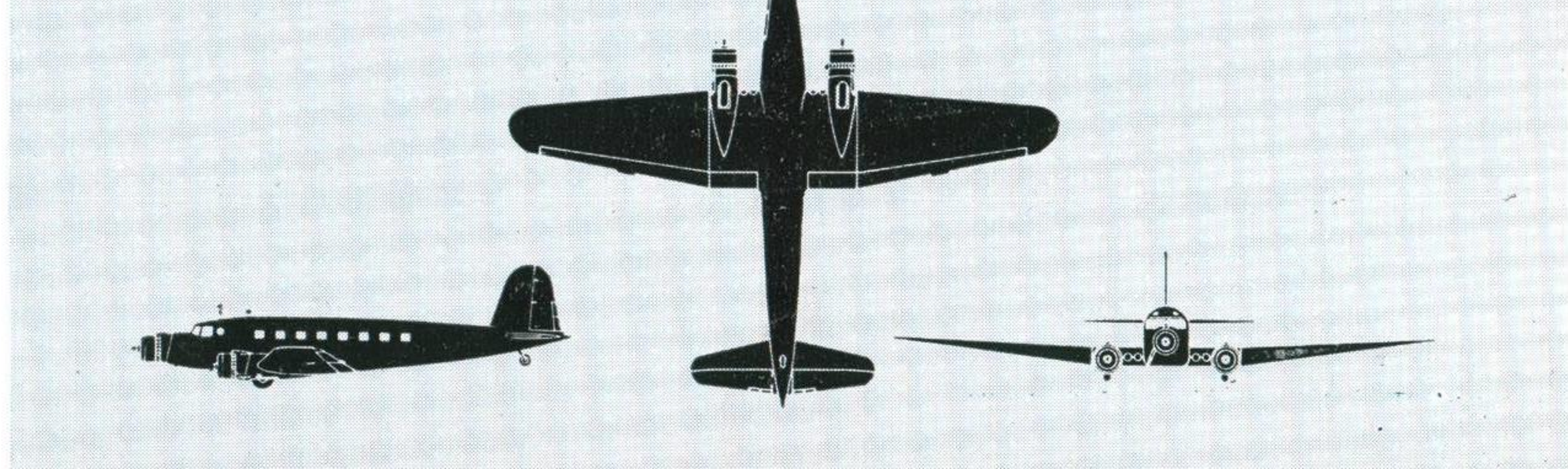
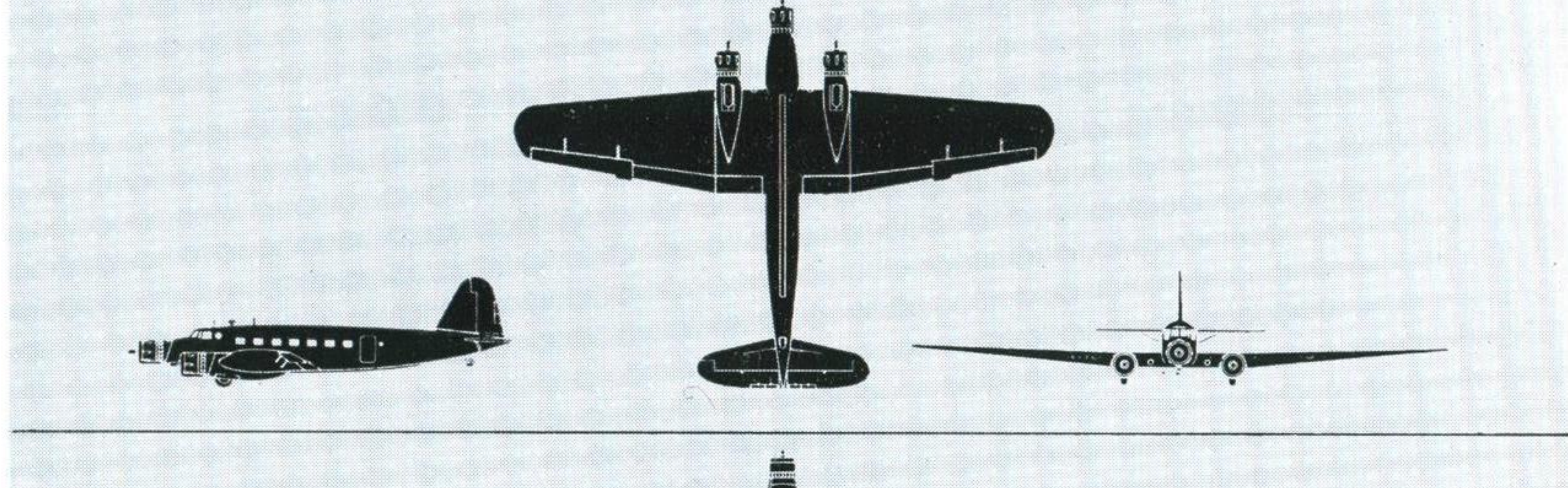
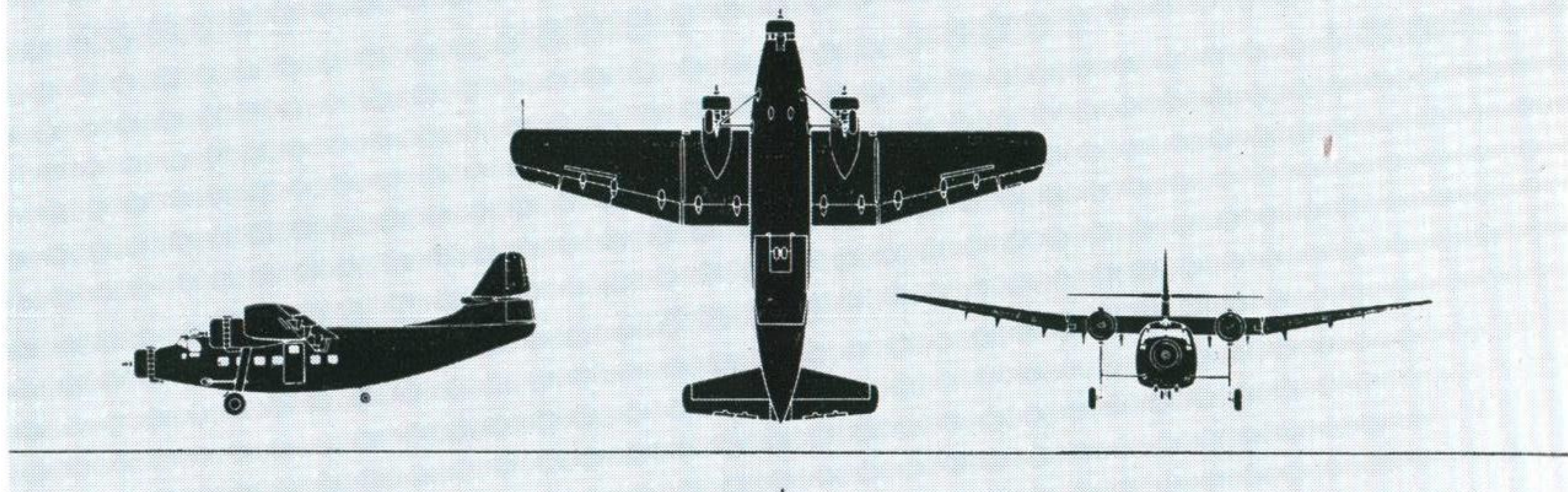
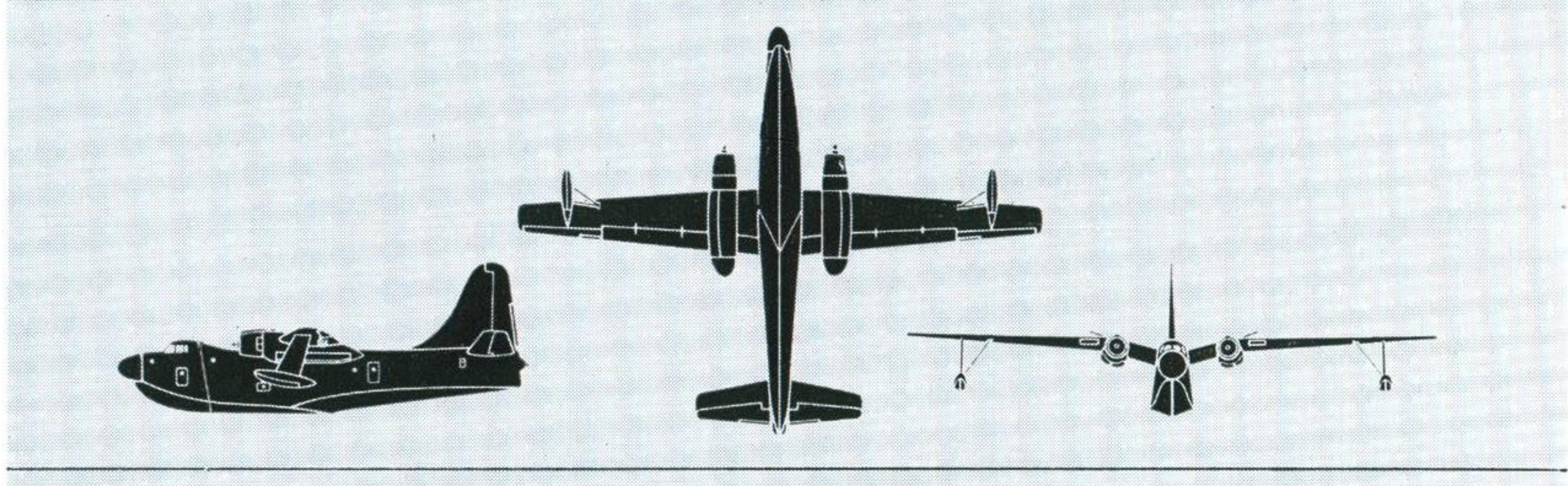
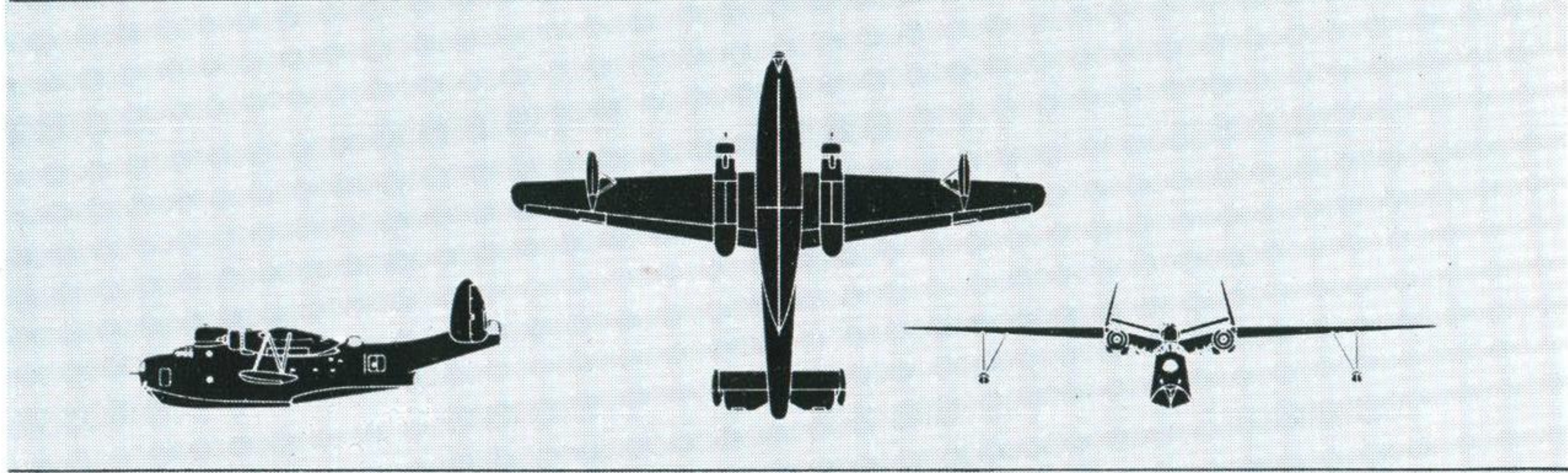
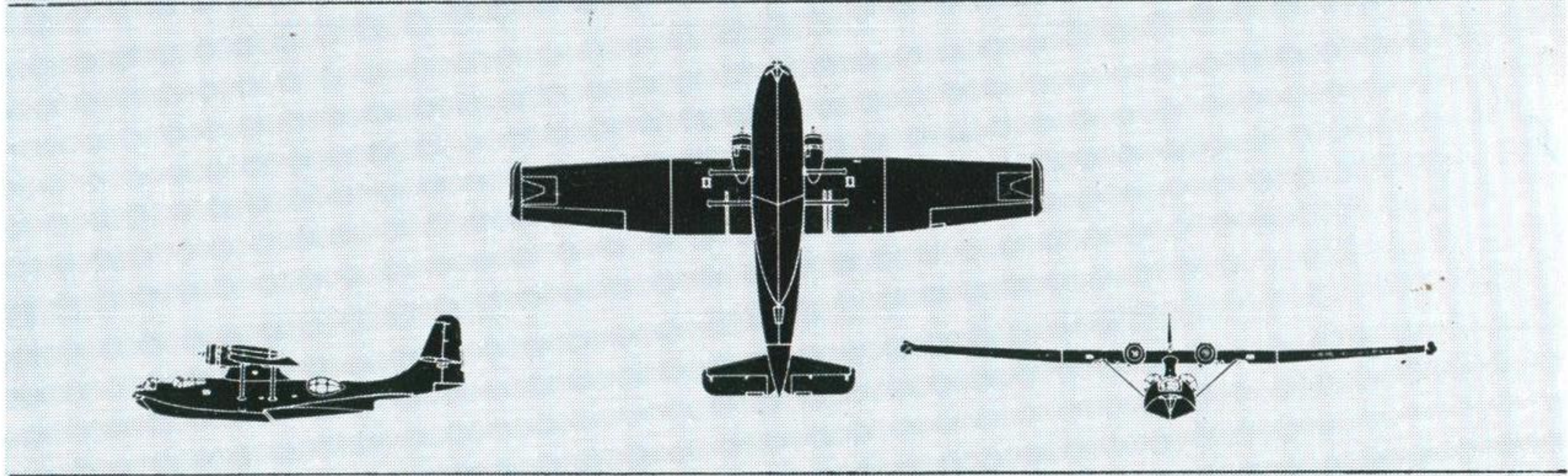
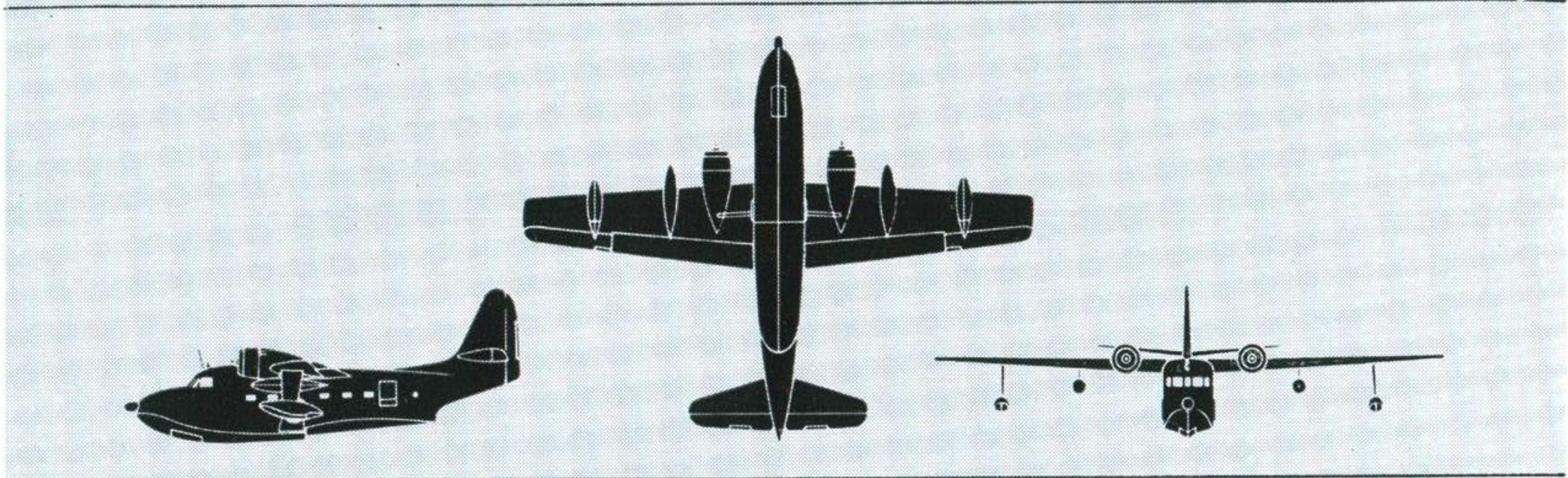
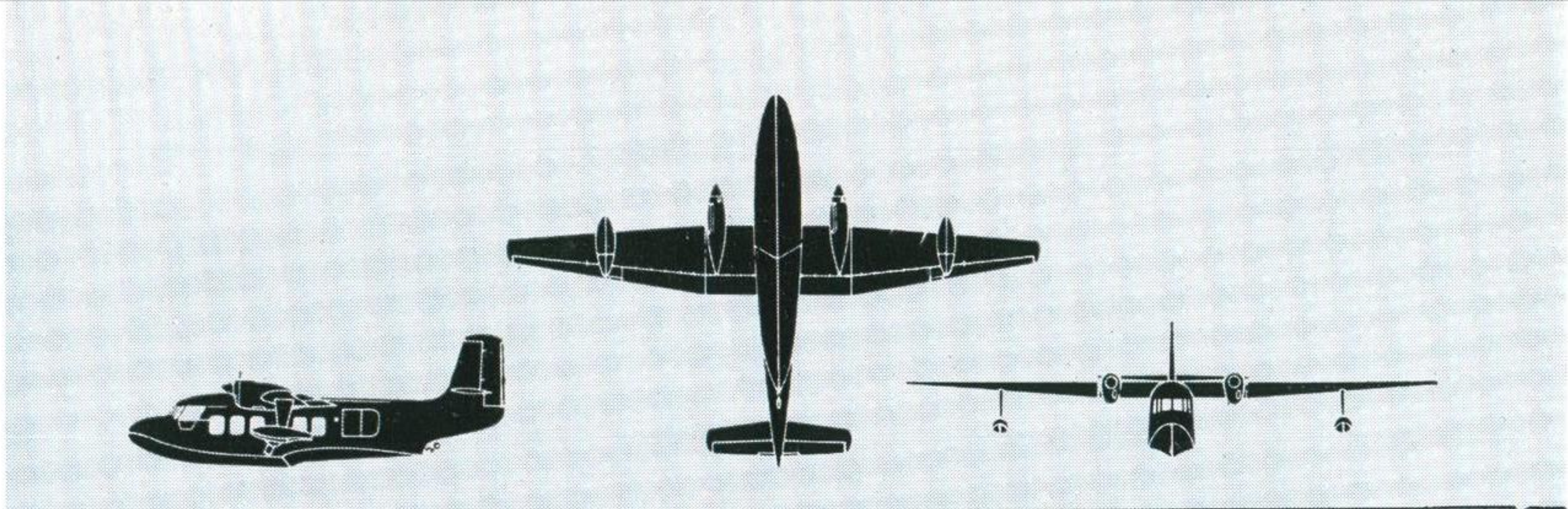
**THREE-ENGINE TYPES**  
 Northrop  
**RAIDER**  
 USAF : C-125A  
 (Three Wright Cyclone radial)  
**Span : 86 ft. 6 in.**  
**Length : 67 ft. 1 in.**



Fiat  
**G-12LA**  
 (Three Alfa radial)  
**Span : 94 ft. 2 in.**  
**Length : 67 ft. 9 in.**

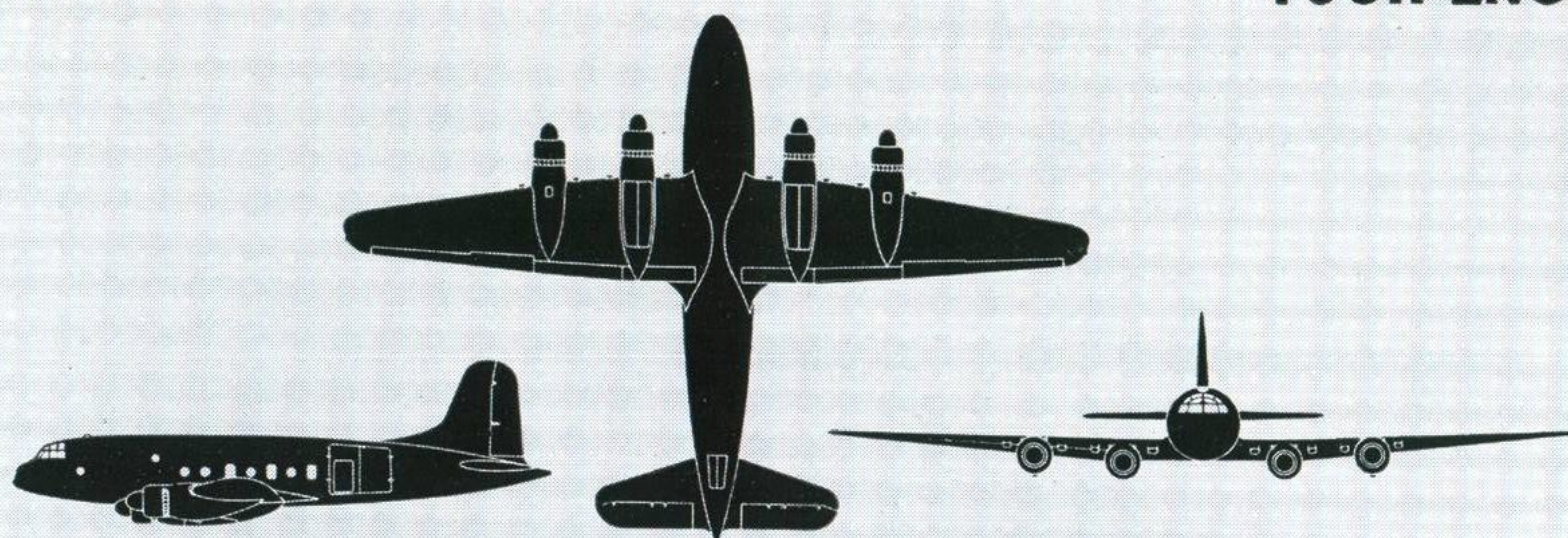


Fiat  
**G-212CP**  
 (Three P & W Twin Wasp radial)  
**Span : 96 ft. 4 in.**  
**Length : 75 ft. 7 in.**

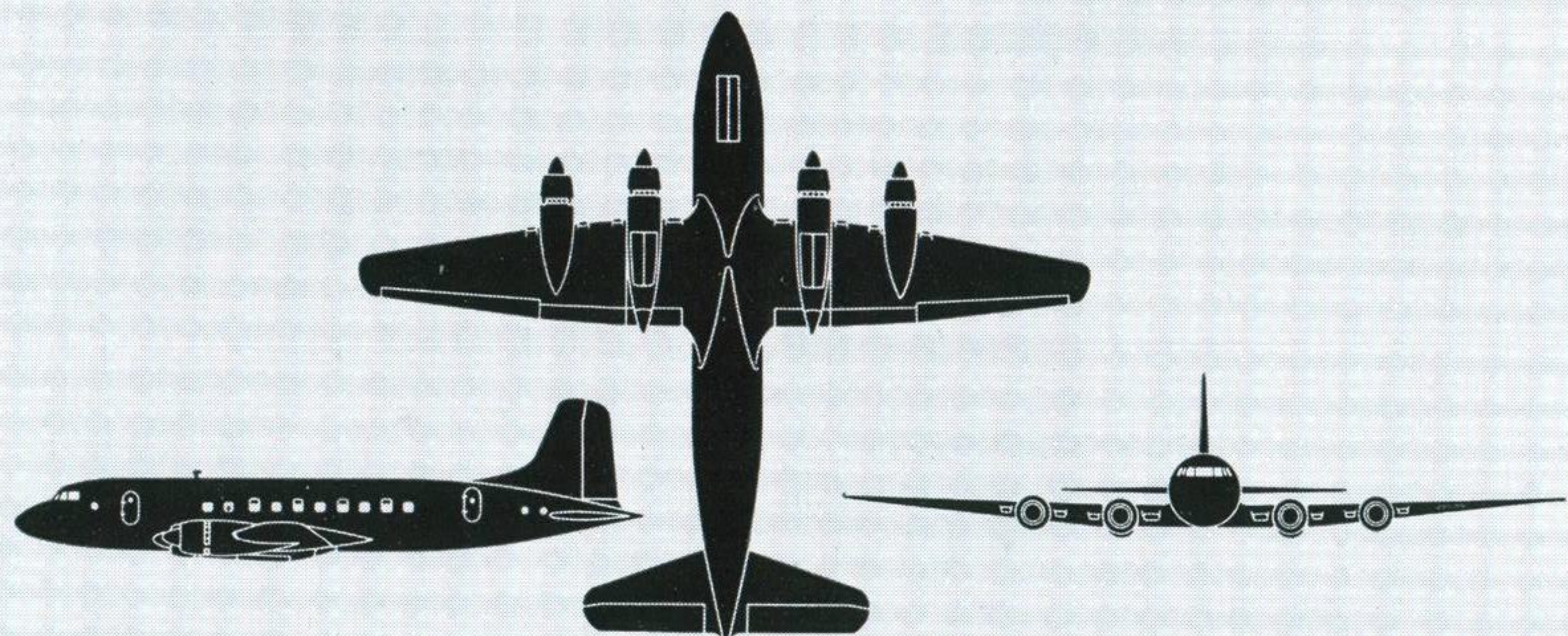




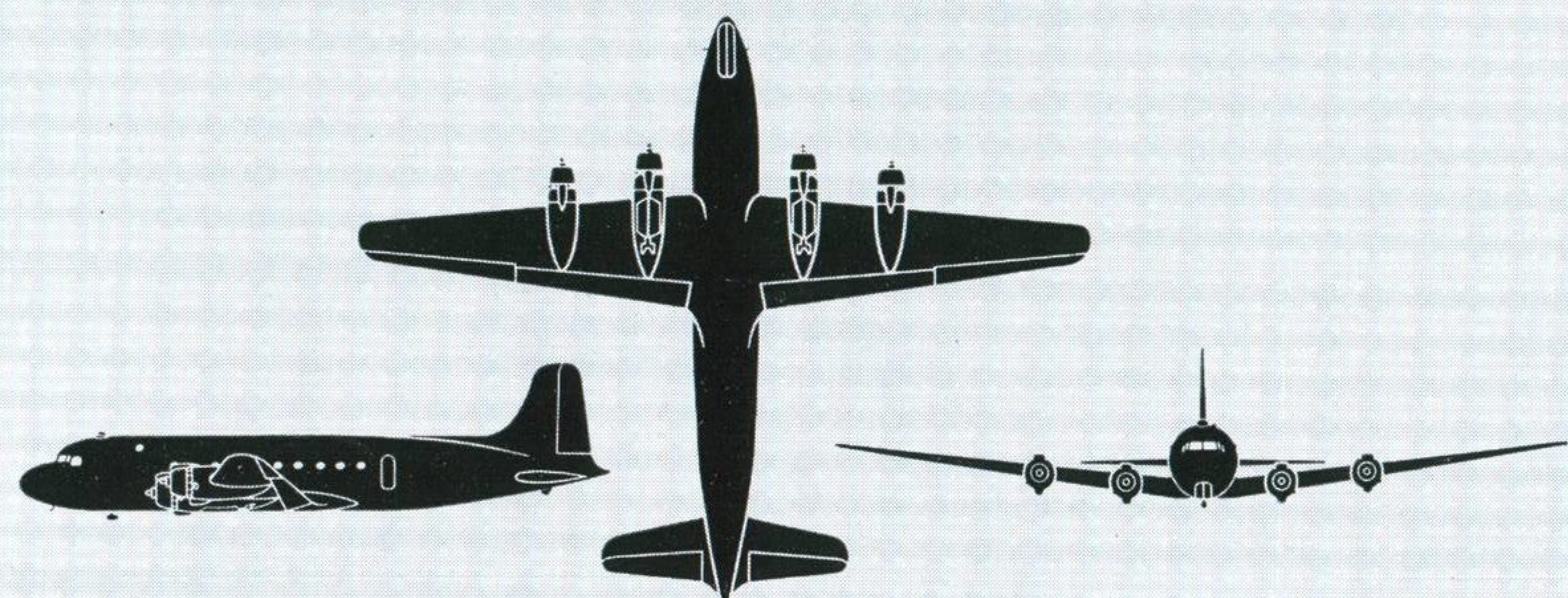
## FOUR-ENGINE (PROP) TYPES



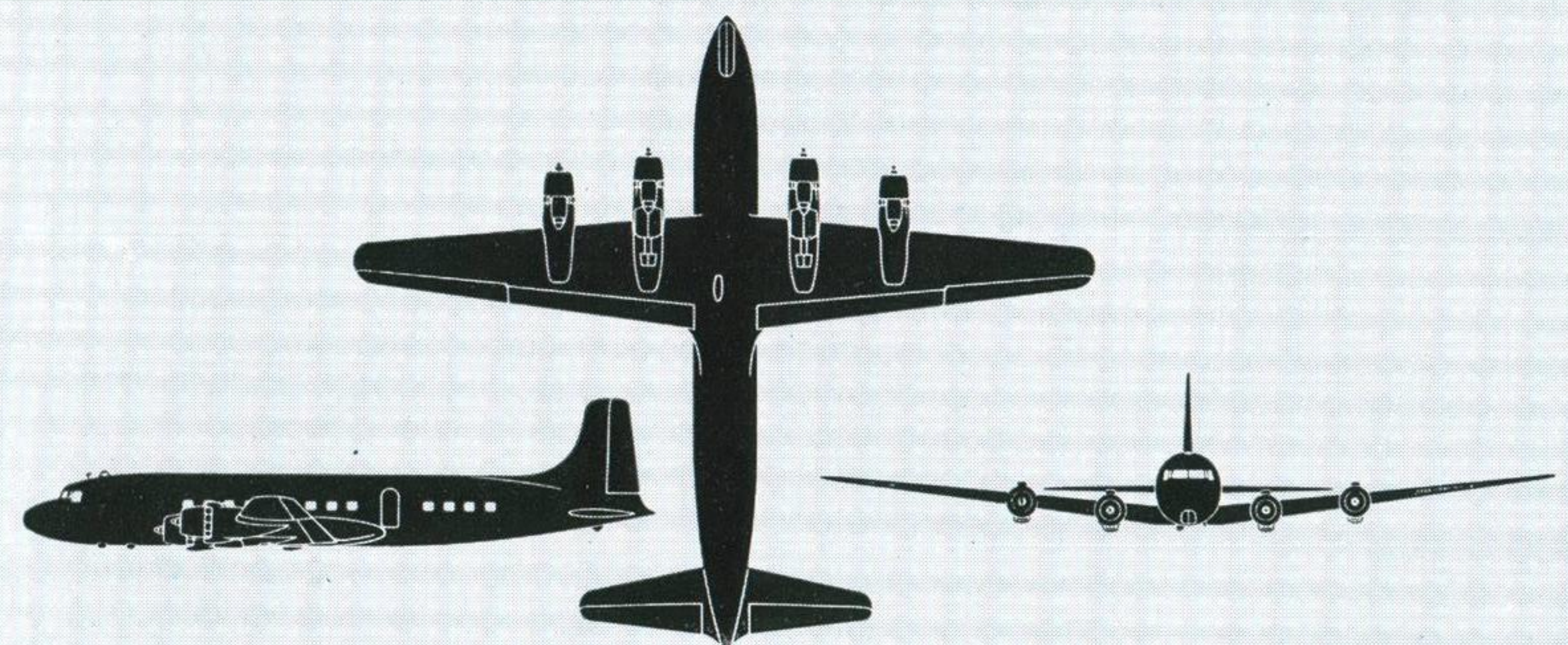
Handley Page  
**HASTINGS C Mk. 1**  
(Four Bristol Hercules 101 radial)  
Span : 113 ft. Length : 81 ft. 8 in.



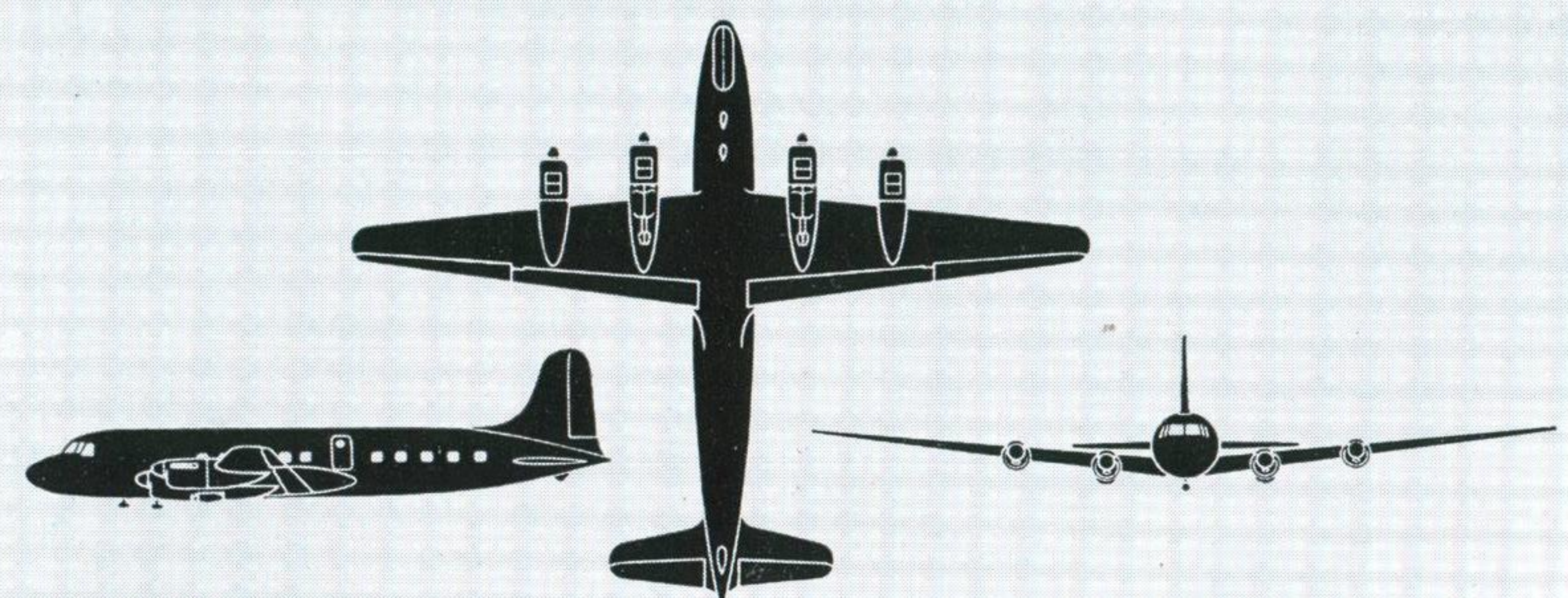
Handley Page  
**HERMES Mk. 4**  
(Four Bristol Hercules 763 radial)  
Span : 113 ft. Length : 96 ft. 10 in.



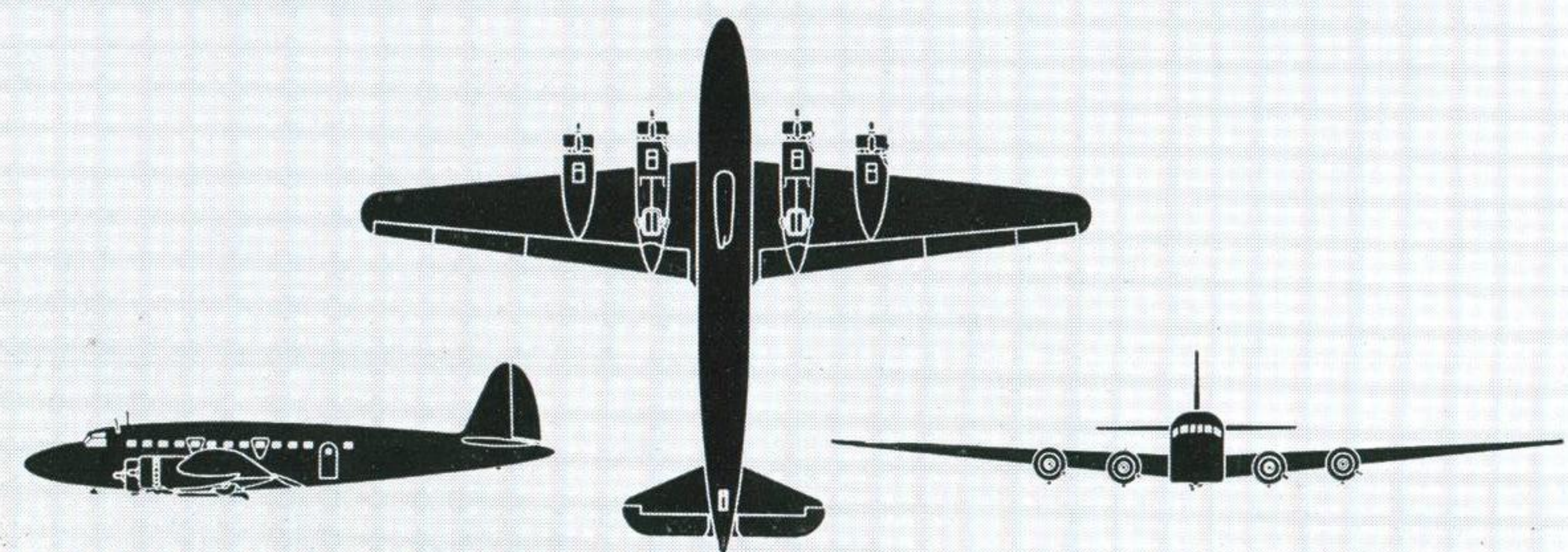
Douglas  
**SKYMASTER (DC-4)**  
USAF : C-54  
(Four P & W Twin Wasp radial)  
Span : 117 ft. 6 in.  
Length : 93 ft. 11 in.



Douglas  
**CLOUDMASTER (DC-6)**  
USAF : C-118  
(Four P & W Double Wasp radial)  
Span : 117 ft. 6 in.  
Length : 100 ft. 7 in.



Canadair  
**ARGONAUT (C-4)**  
(Four R.R. Merlin radial)  
Span : 117 ft. 6 in.  
Length : 93 ft. 7 in.



Siai-Marchetti  
**SM.95**  
(Four P & W Twin Wasp radial)  
Span : 112 ft. 5 in.  
Length : 81 ft. 3 in.

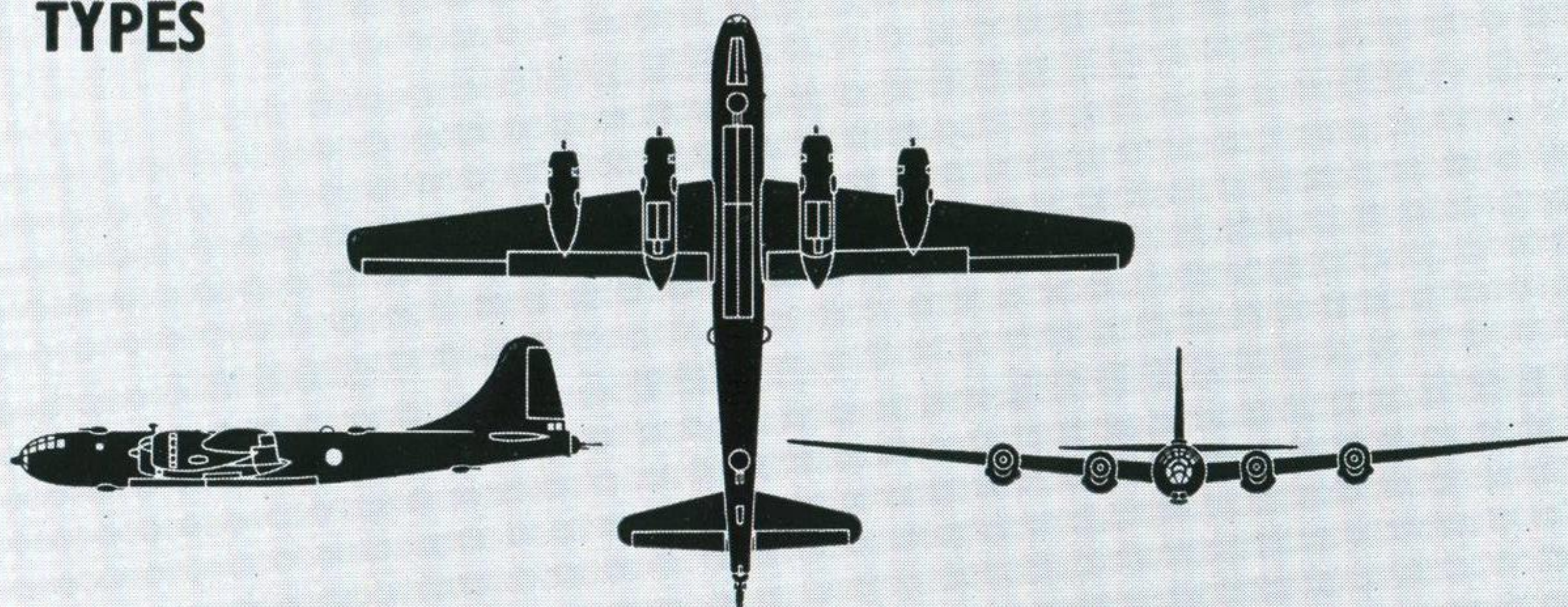




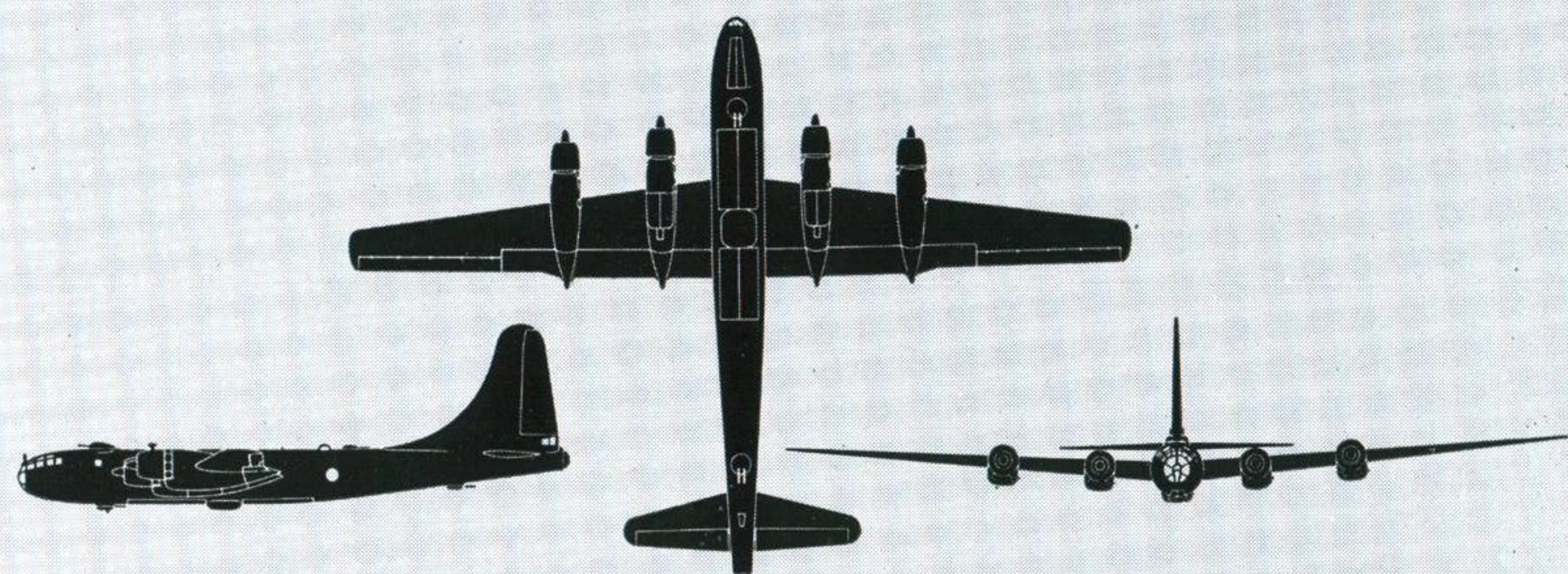
## FOUR-ENGINE (PROP) TYPES



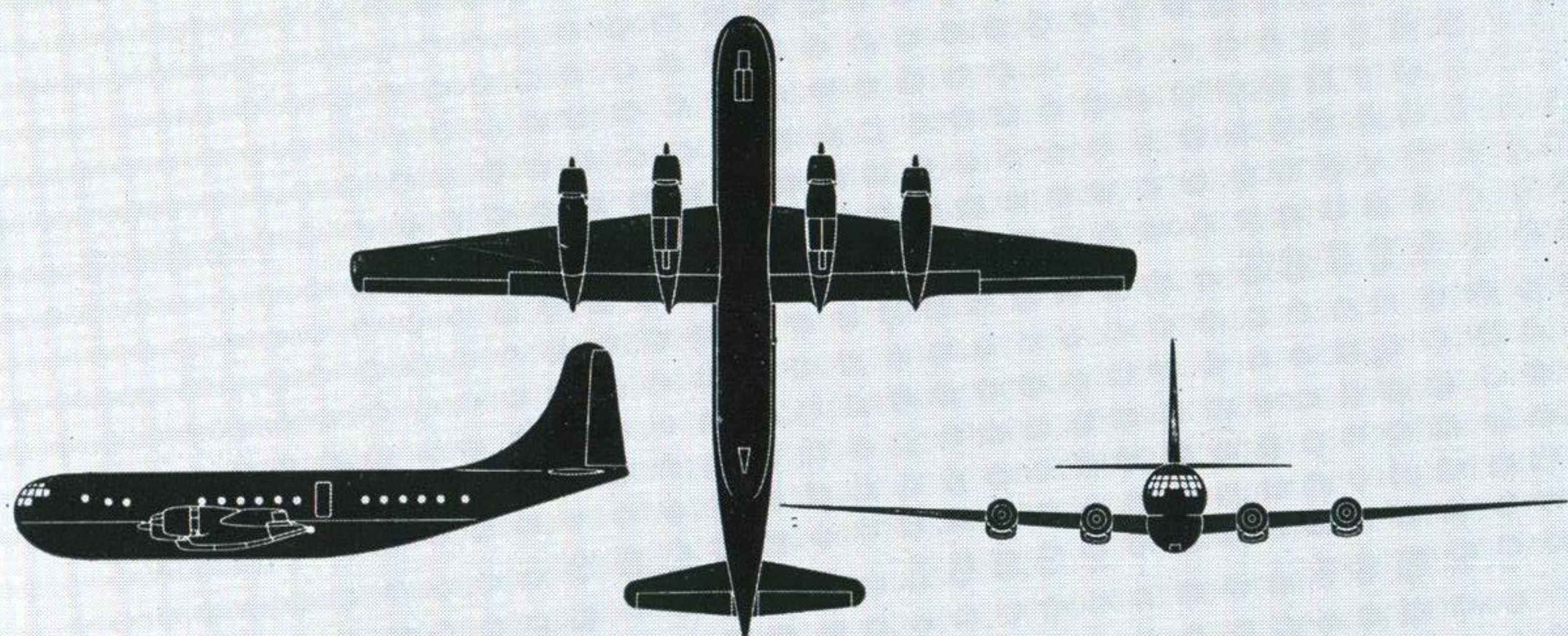
Boeing  
**SUPERFORTRESS**  
USAF : B-29  
(Four Wright Cyclone radial)  
Span : 141 ft. 3 in. Length : 99 ft.



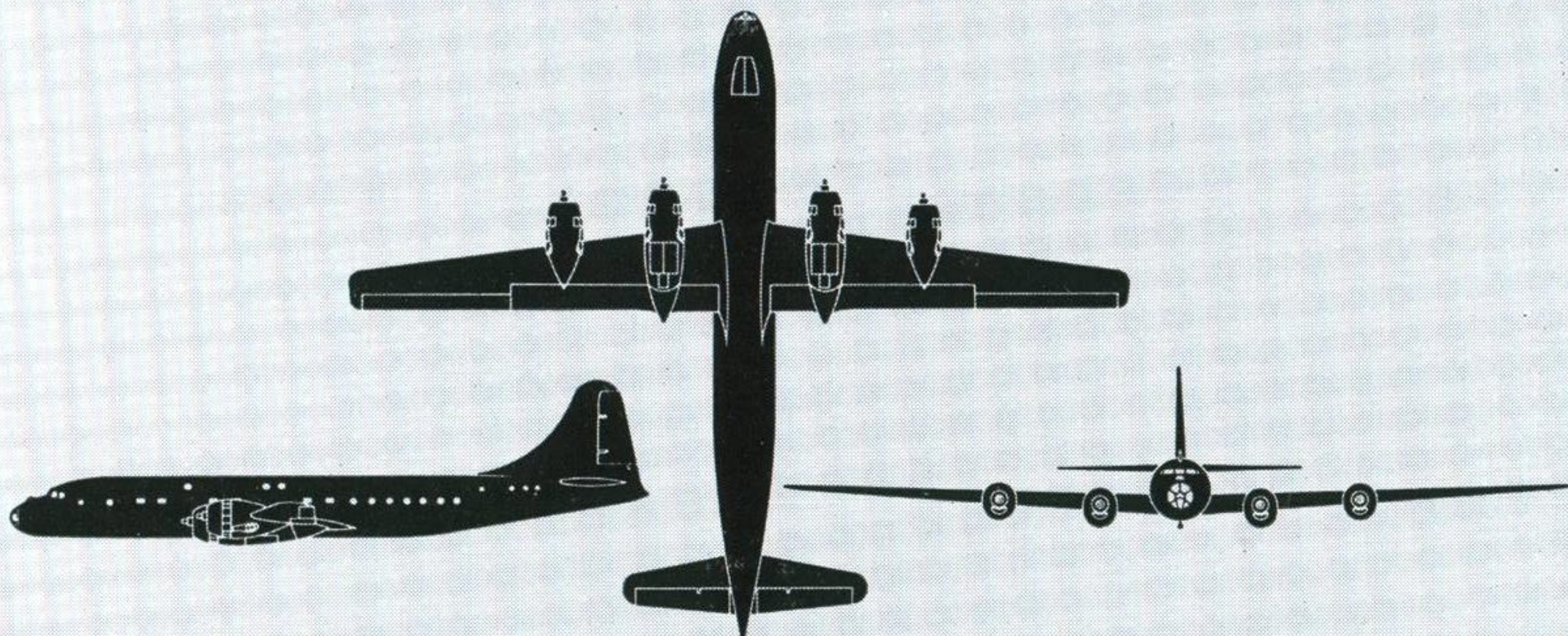
Boeing  
**SUPERFORTRESS**  
USAF : B-50A  
(Four P & W Wasp Major radial)  
Span : 141 ft. 3 in. Length : 99 ft.



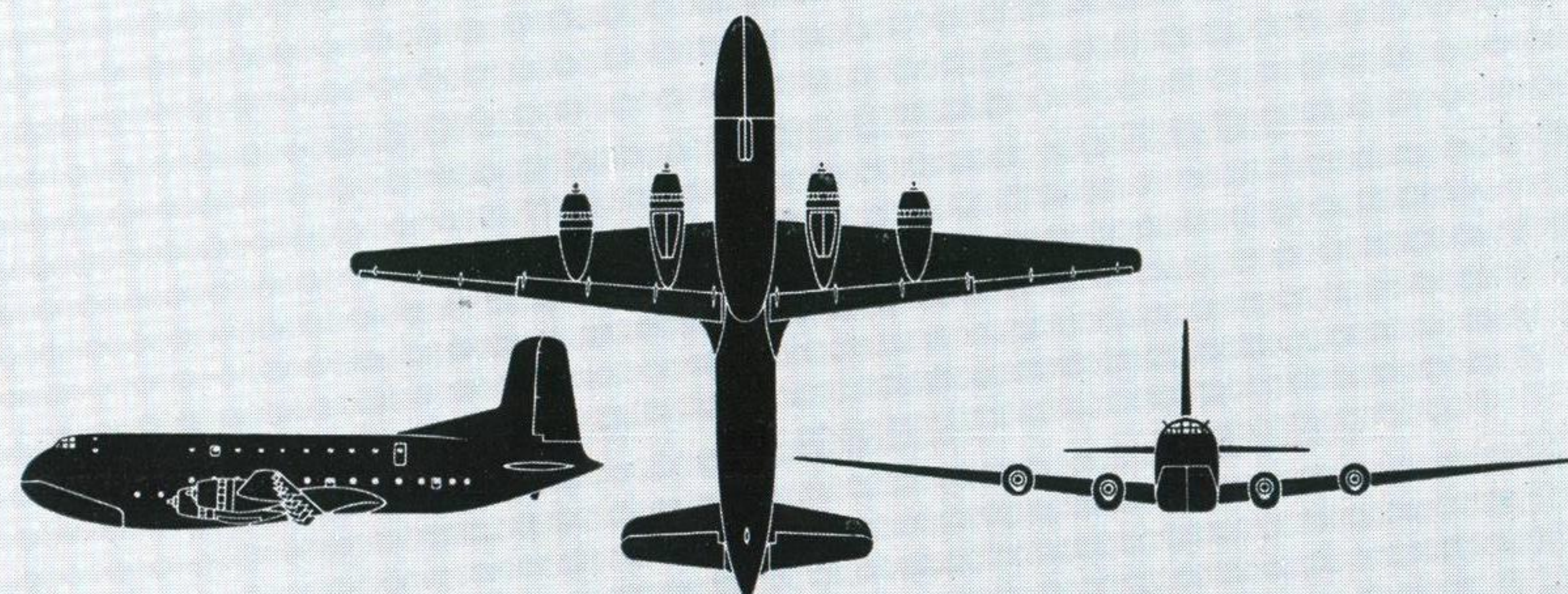
Boeing  
**STRATOCRUISER**  
USAF : C-97  
(Four P & W Wasp Major radial)  
Span : 141 ft. 3 in.  
Length : 110 ft. 4 in.



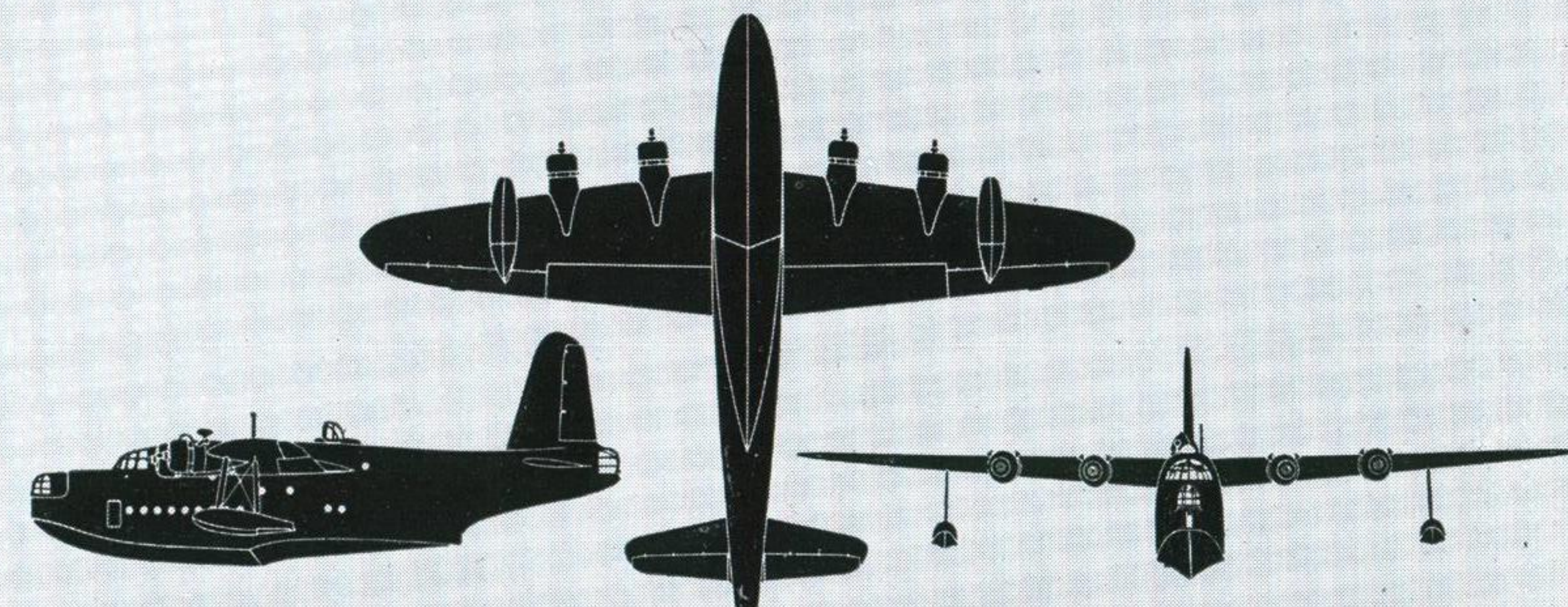
Tupolev  
**TU-70**  
(Four ASL-90 radial)  
Span : 141 ft. 3 in. Length : 119 ft.



Douglas  
**GLOBEMASTER 2**  
USAF : C-124A  
(Four P & W Wasp Major radial)  
Span : 173 ft. 3 in.  
Length : 127 ft. 2 in.

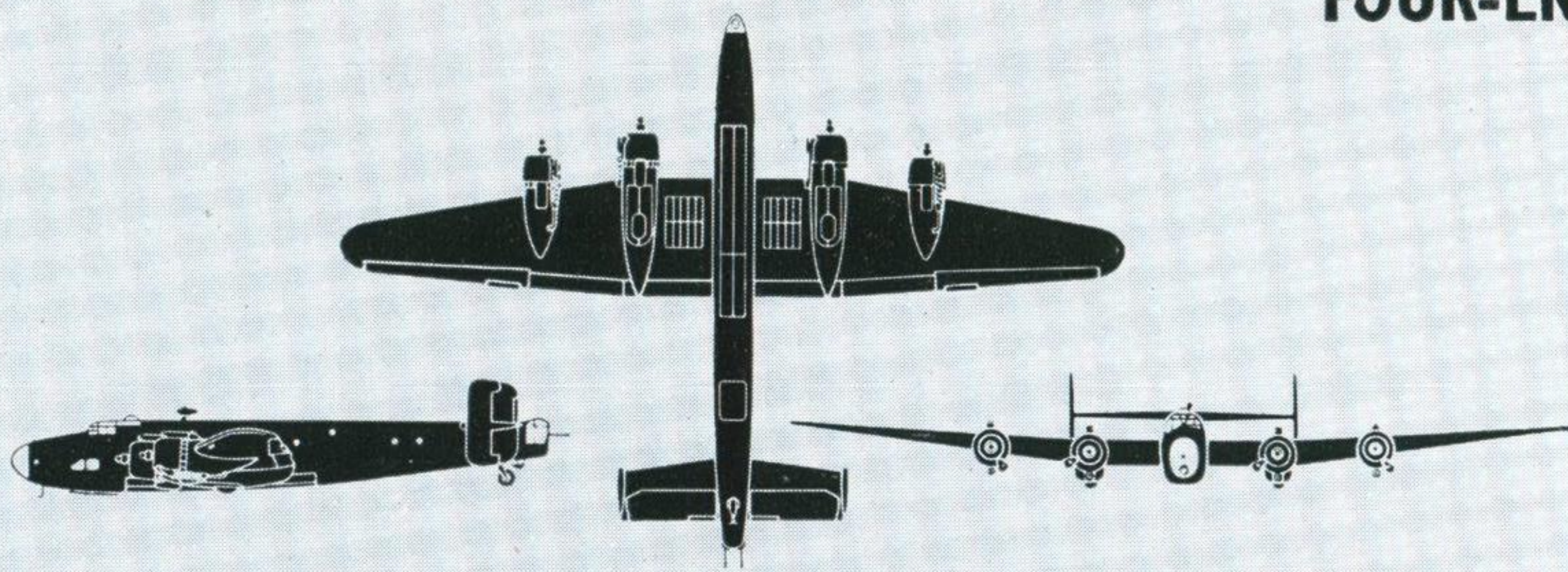


Short  
**SUNDERLAND GR Mk.5**  
(Four P & W Twin Wasp radial)  
Span : 112 ft. 9 in.  
Length : 85 ft. 4 in.

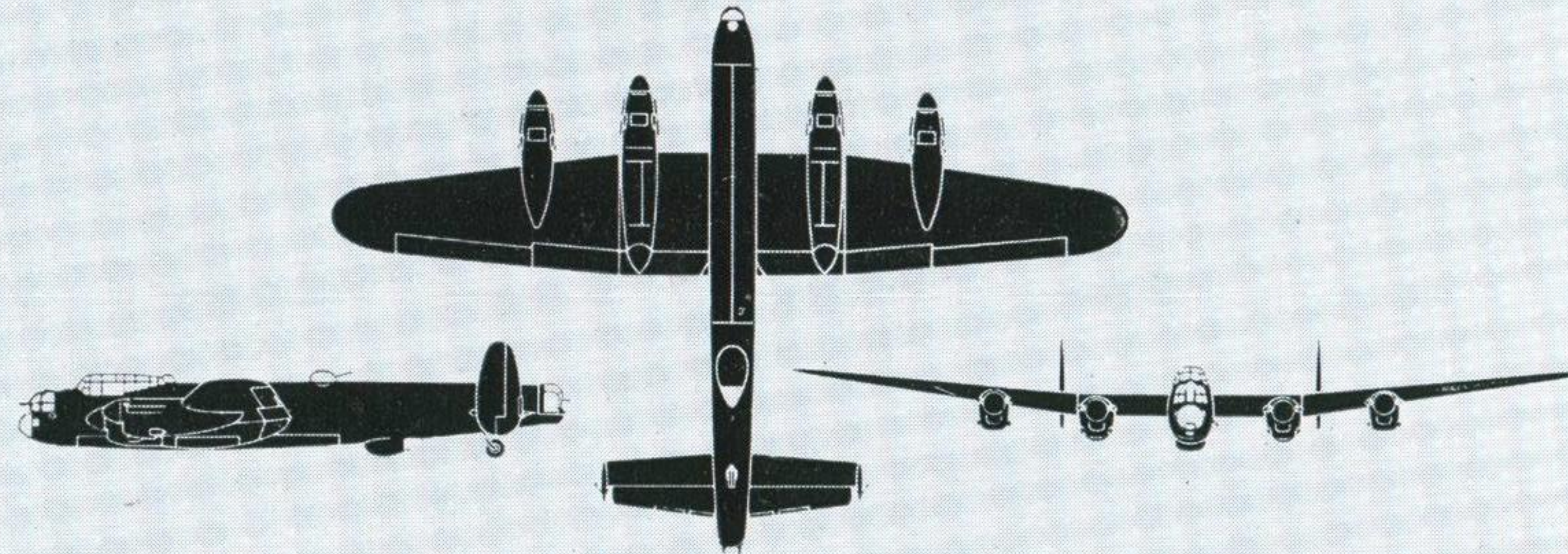




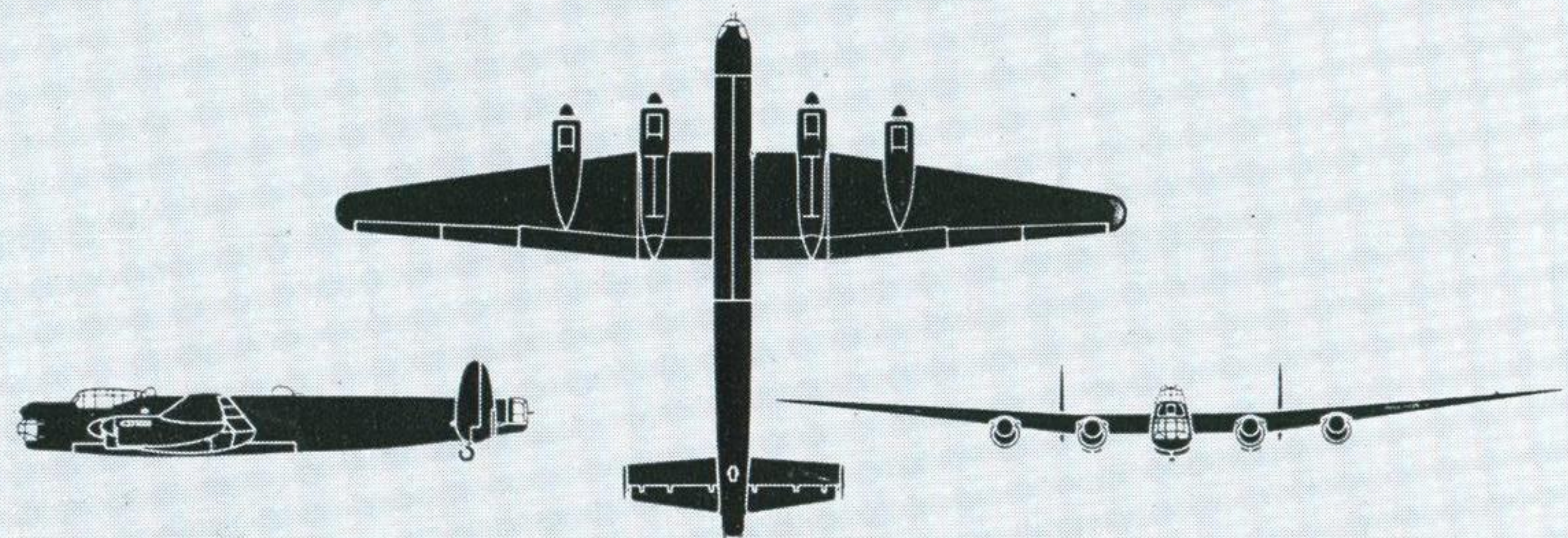
## FOUR-ENGINE (PROP) TYPES



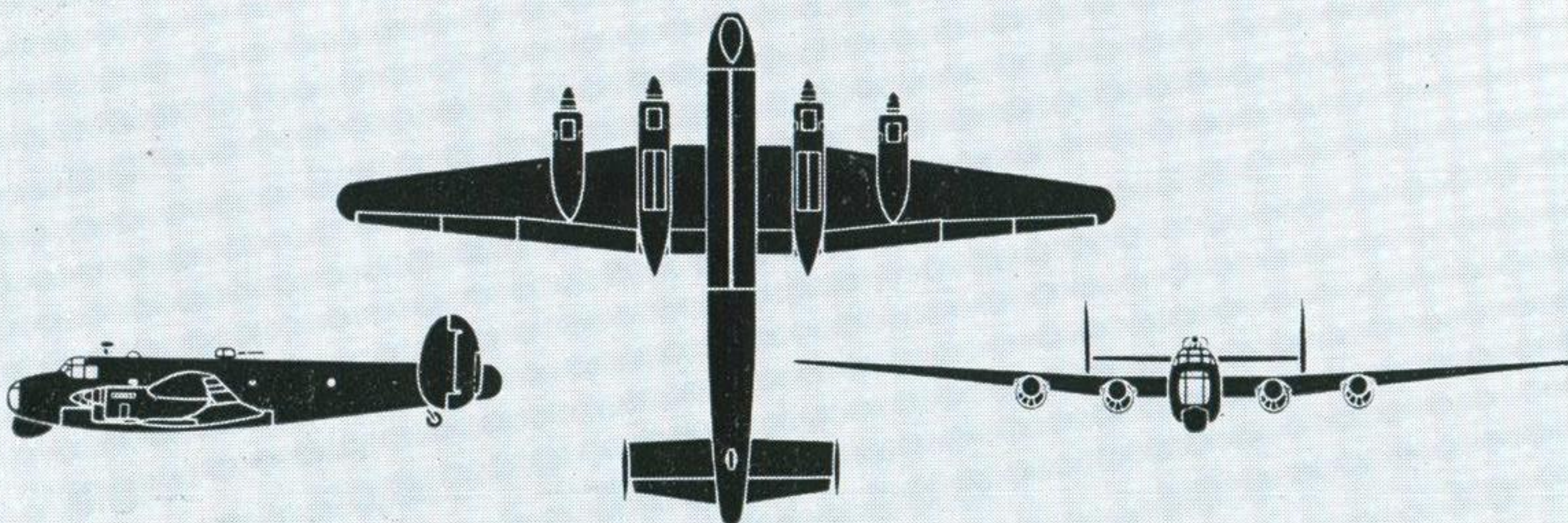
Handley Page  
**HALIFAX A Mk. 9**  
(Four Bristol Hercules radial)  
Span : 104 ft. Length : 73 ft. 7 in.



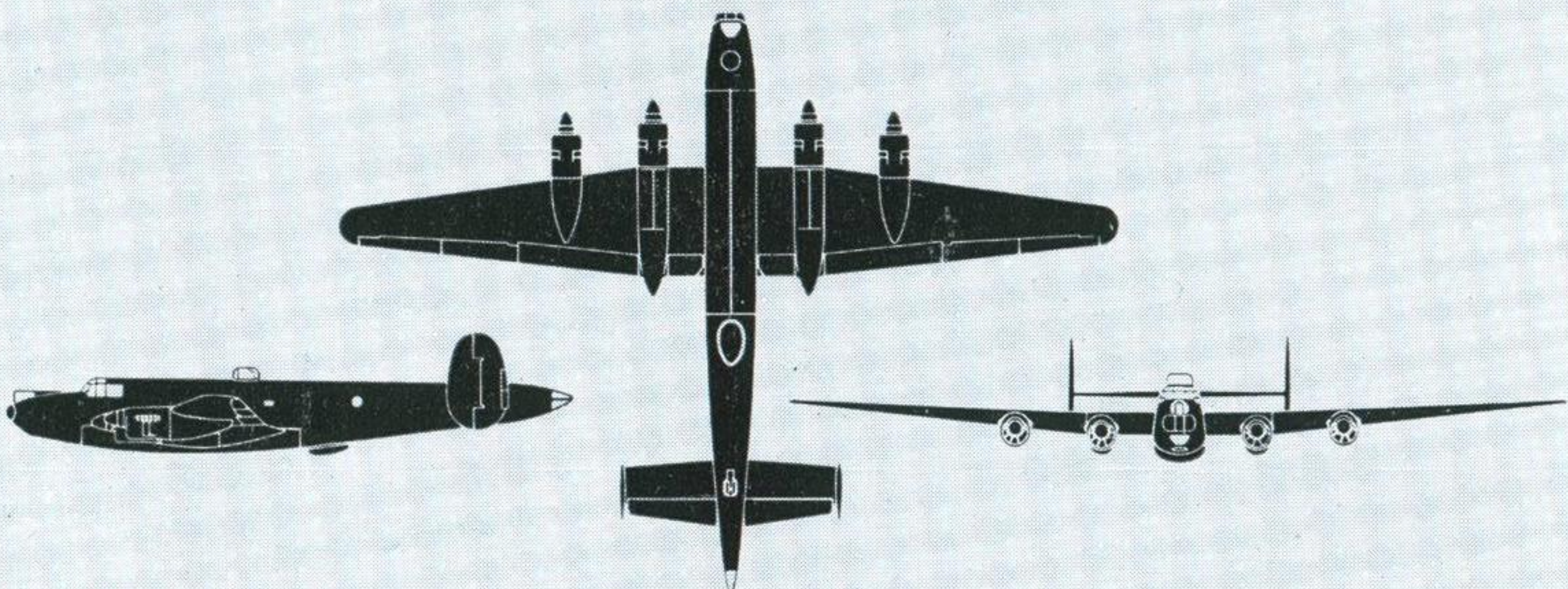
Avro  
**LANCASTER B Mk. 7**  
(Four R.R. Merlin 24 radial)  
Span : 102 ft. Length : 69 ft. 4 in.



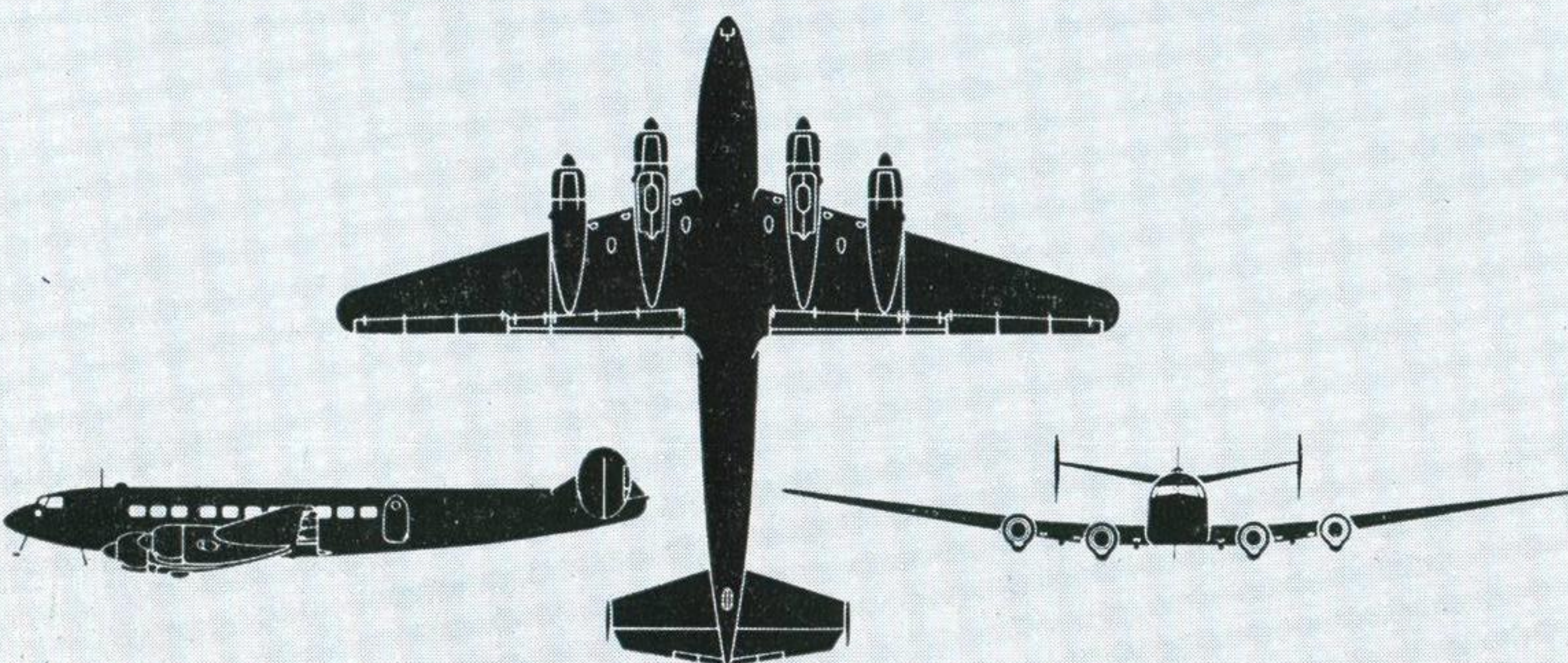
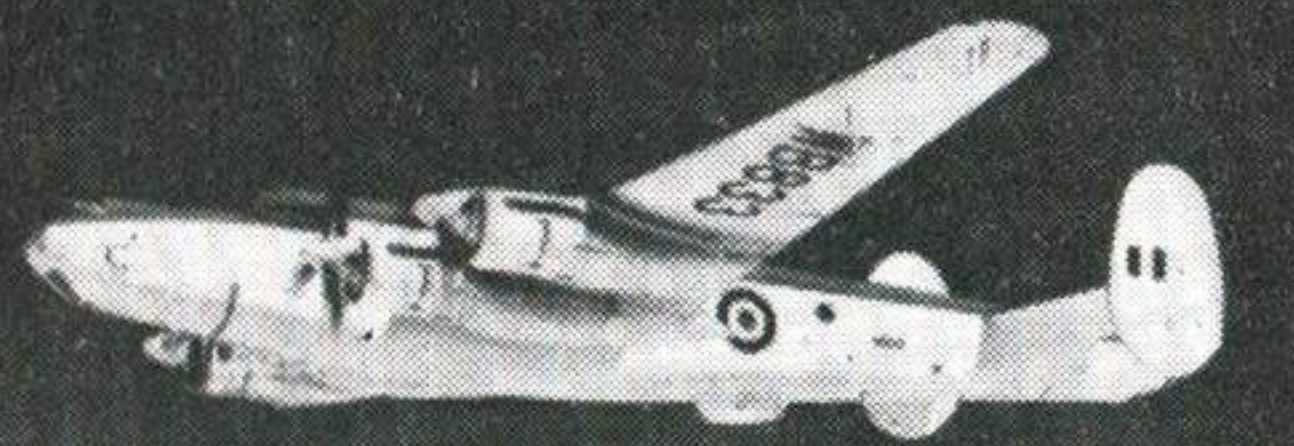
Avro  
**LINCOLN B Mk. 2**  
(Four R.R. Merlin radial)  
Span : 120 ft. Length : 78 ft. 3 in.



Avro  
**SHACKLETON MR Mk.1**  
(Four R.R. Griffon radial)  
Span : 120 ft. Length : 77 ft.



Avro  
**SHACKLETON MR Mk.2**  
(Four R.R. Griffon radial)  
Span : 120 ft. Length : 87 ft. 3 in.



SNCASE  
**LANGUEDOC (SE. 161)**  
(Four P & W Twin Wasp radial)  
Span : 96 ft. 5 in.  
Length : 79 ft. 7 in.





## FOUR-ENGINE (PROP) TYPES

Handley Page

### MARATHON Mk. 1

(Four D.H. Gipsy Queen in-line)

Span : 65 ft. Length : 52 ft. 1 in.

Avro

### YORK Mk. 1

(Four R.R. Merlin in-line)

Span : 102 ft. Length : 78 ft.

Lockheed

### CONSTELLATION

USAF : C-121A

(Four Wright Cyclone radial)

Span : 123 ft. Length : 95 ft. 1 in.

Lockheed

### SUPER CONSTELLATION

USAF : C-121C ; USN : R7V-1

(Four Wright Cyclone radial)

Span : 123 ft. Length : 113 ft. 7 in.

Breguet

### DEUX-PONTS (BR.763)

Air France : "Provence"

(Four P & W radial)

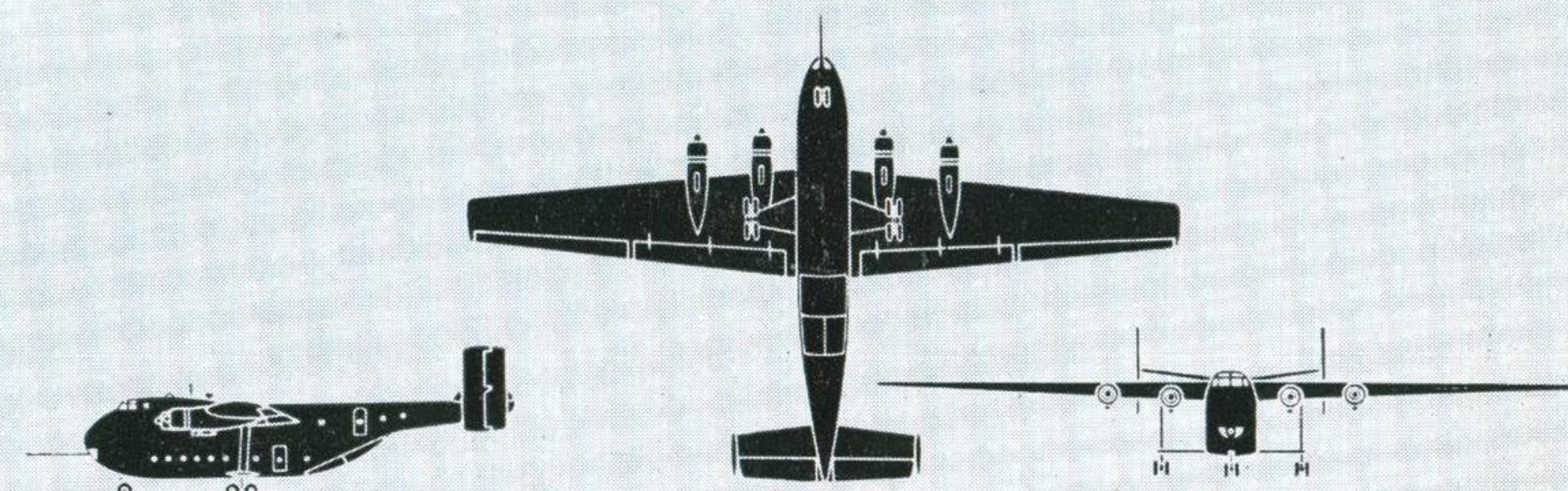
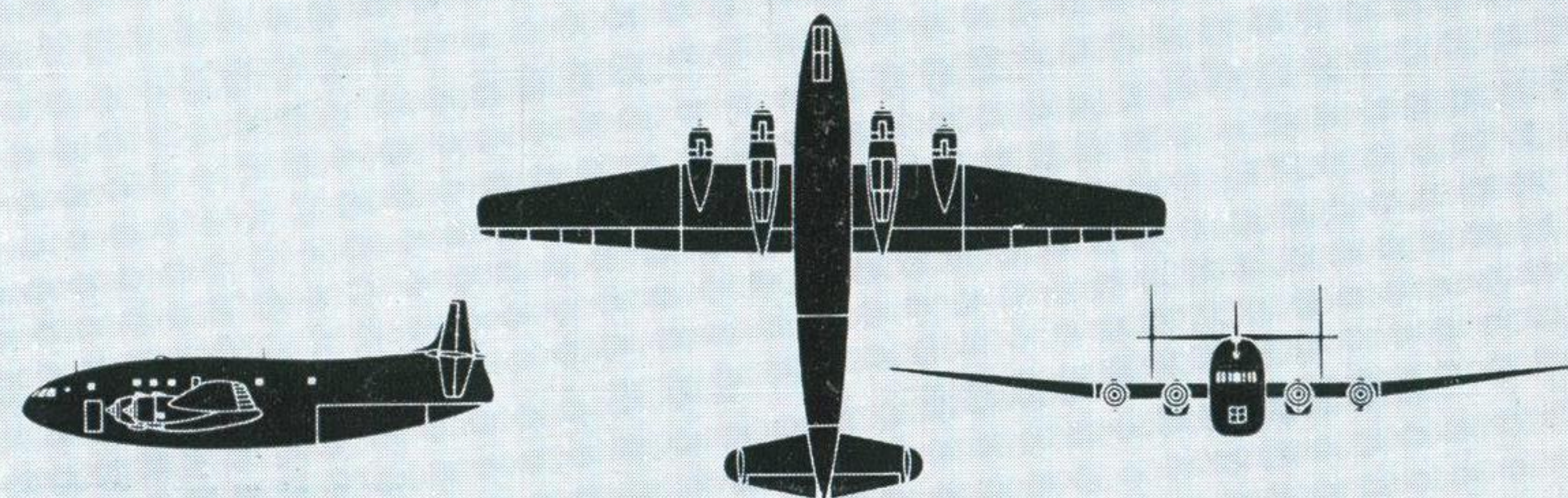
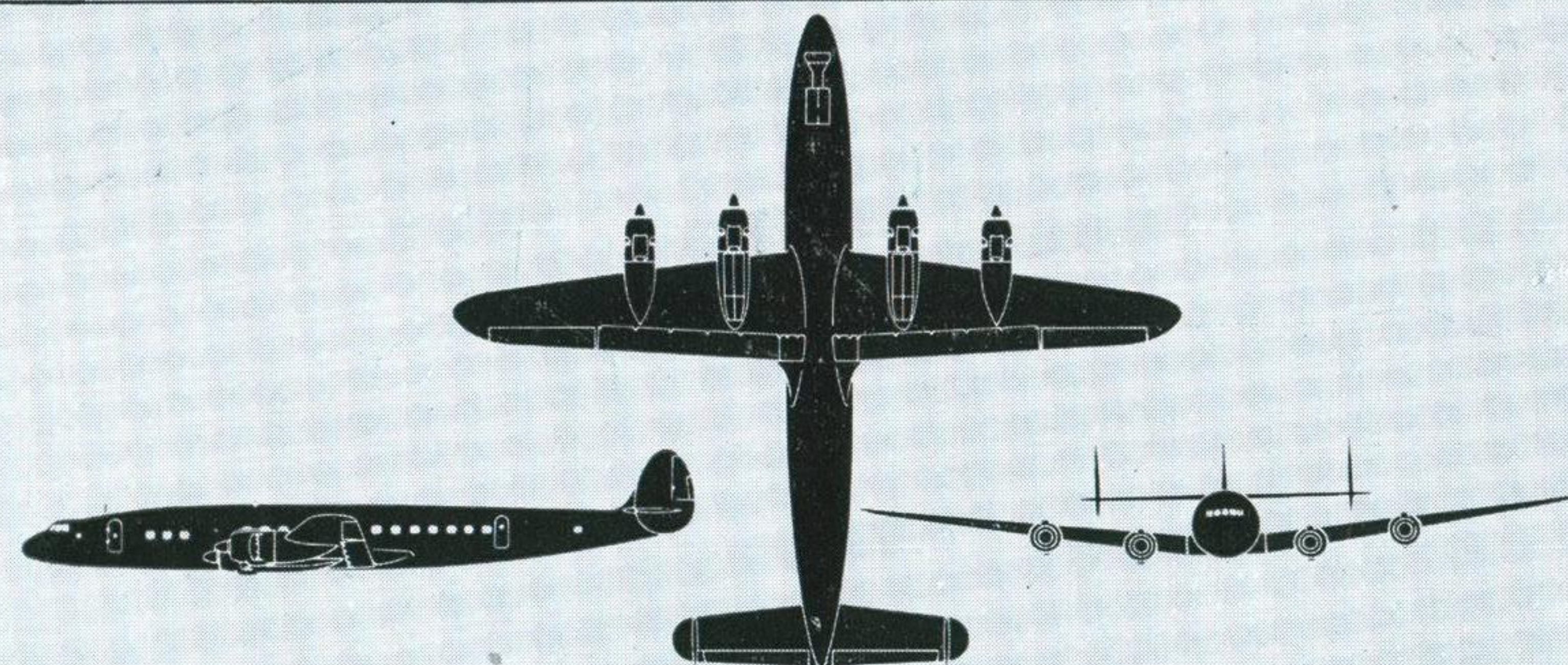
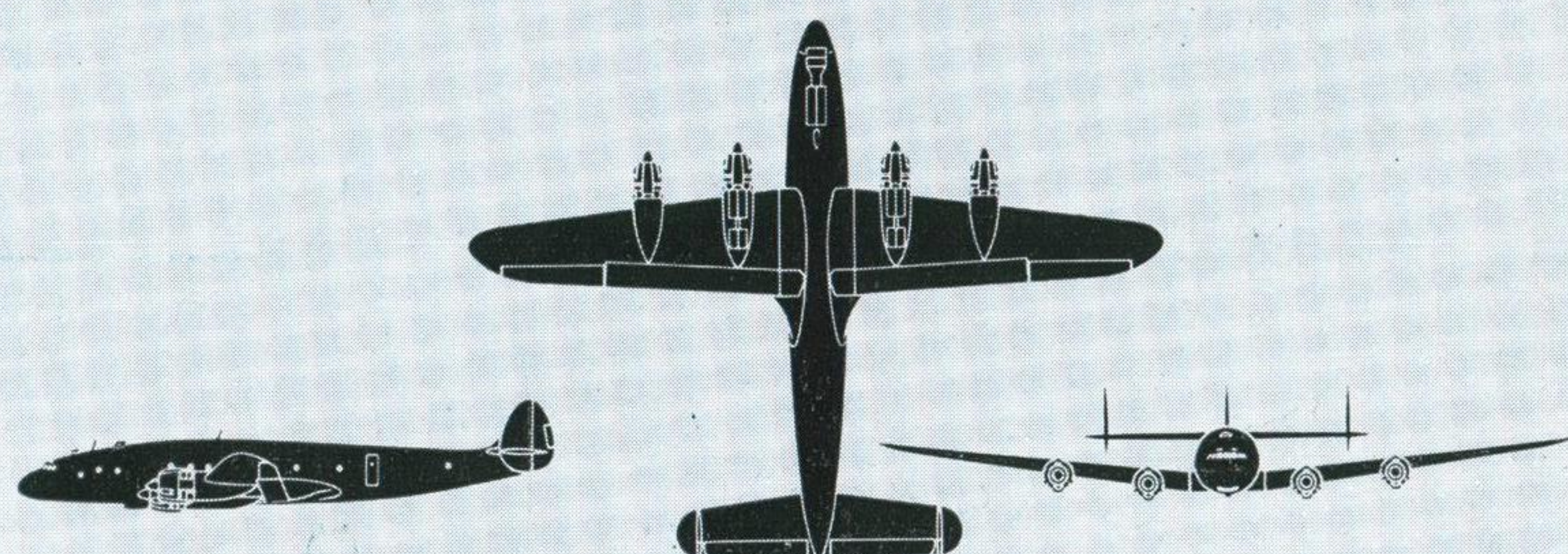
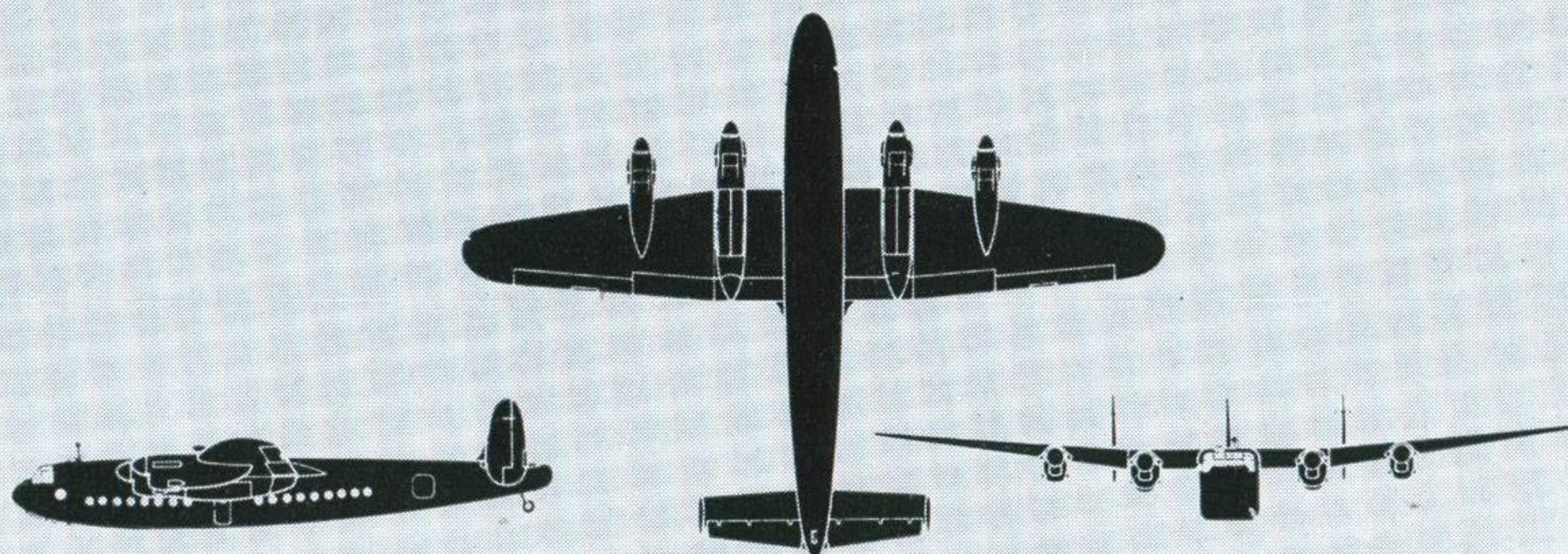
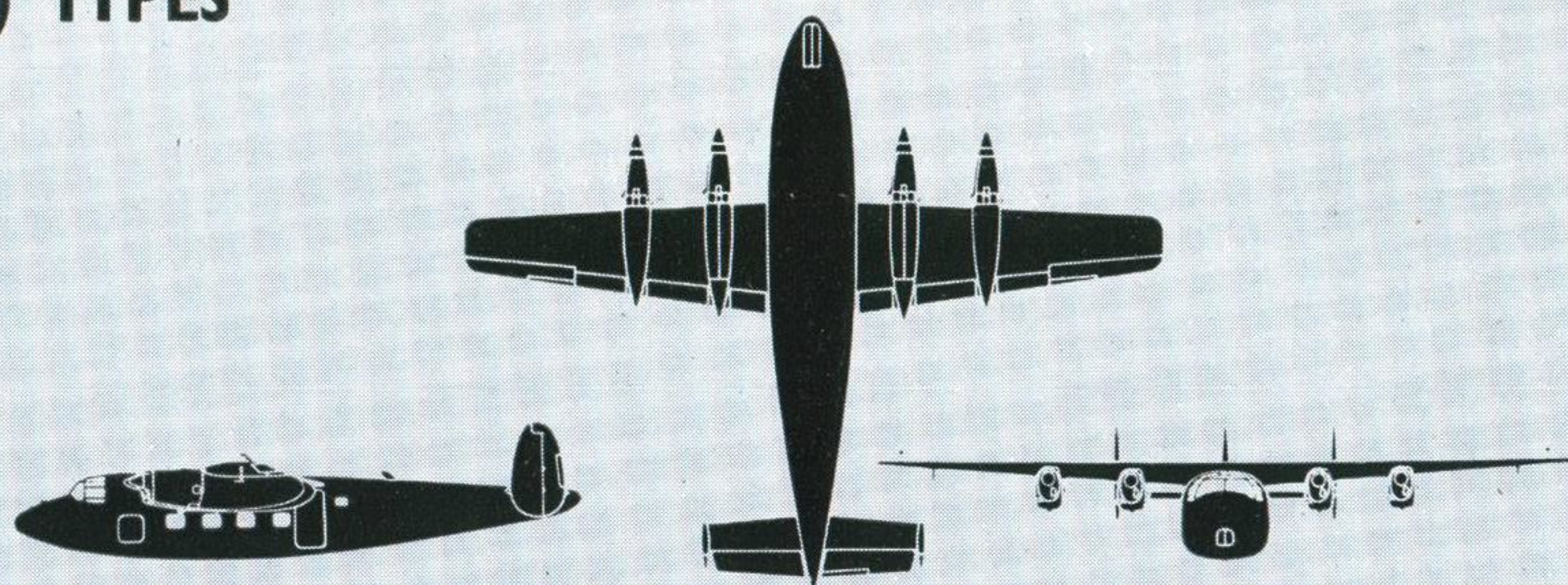
Span : 140 ft. Length : 94 ft. 11 in.

Blackburn & General

### UNIVERSAL (GAL. 60)

(Four Bristol Hercules radial)

Span : 162 ft. Length : 99 ft. 1 in.





## MULTI-JET TYPES

De Havilland  
**COMET Mk. 1**  
 (Four D.H. Ghost turbojets)  
 Span : 115 ft. Length : 93 ft.

Vickers  
**VALIANT**  
 (Four R.R. Avon turbojets)  
 Span : 114 ft. 4 in.  
 Length : 108 ft. 3 in.

Boeing  
**STRATOJET**  
 USAF : B-47A  
 (Six G.E. turbojets)  
 Span : 116 ft. Length : 108 ft.

Boeing  
**STRATOFORTRESS**  
 USAF : B-52  
 (Eight P. & W turbojets)  
 Span : 185 ft. Length : 153 ft.

Convair  
**CONQUEROR**  
 USAF : B-36D  
 (Six P & W radial and four G.E. turbojets)  
 Span : 230 ft. Length : 162 ft.

