

**DESERT SHIELD
AIRCRAFT RECOGNITION**



NAME:

F-4/RF-4 PHANTOM II

MISSION:

FIGHTER/ATTACK/RECONNAISSANCE

WINGSPAN:

38.6 Feet - 11.8 Meters

LENGTH:

63.0 Feet - 19.2 Meters

WINGS:

Swept, low-mounted with squared tips and sawtooth leading edge. Wing has positive dihedral from sawtooth leading edge.

ENGINES:

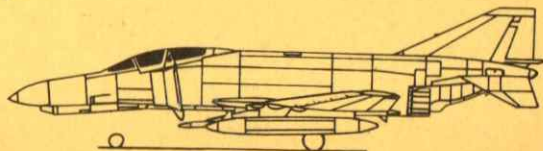
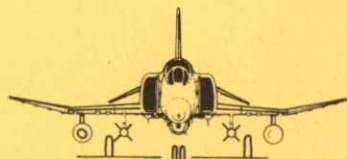
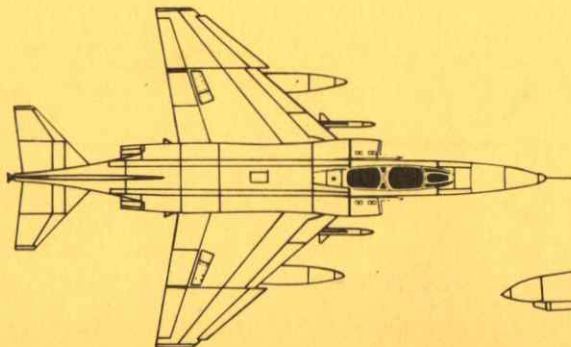
Twin turbojets mounted in fuselage.

FUSELAGE:

Cigar-shaped with pointed nose.

TAIL:

Vertical stabilizer is tapered-straight. Horizontal stabilizer is swept and mid-mounted on fuselage with a negative dihedral.



NAME: F-5 FREEDOM FIGHTER

MISSION: MULTI-ROLE FIGHTER

WINGSPAN: 26.7 Feet -- 8.1 Meters

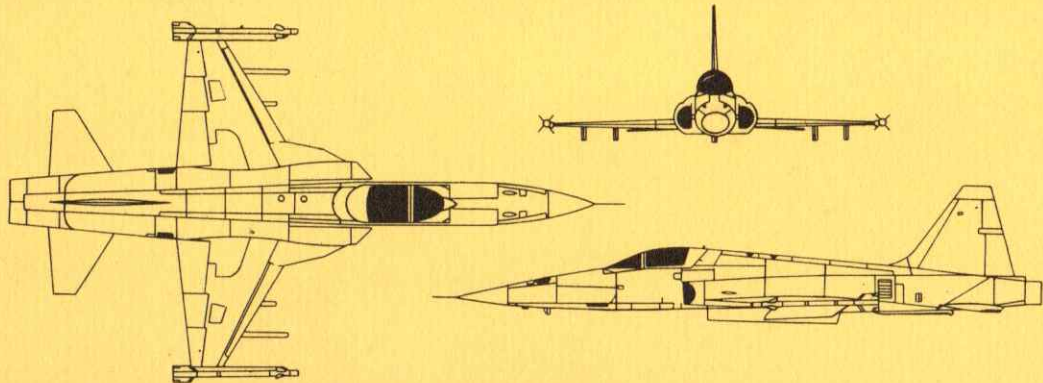
LENGTH: 47.5 Feet -- 14.5 Meters

WINGS: Tapered-tapered, low-mounted with squared tips.

ENGINES: Two turbojets mounted in fuselage. Semi-circular air intakes mounted on side behind canopy.

FUSELAGE: Tube-shaped with solid, pointed nose. Dorsal spine extends from canopy to curved fairing of vertical stabilizer. Engine exhaust extends beyond stabilizer.

TAIL: Vertical stabilizer is tapered-tapered with curved fairing. Horizontal stabilizer is tapered-tapered and low-mounted on fuselage.



NAME:

F-14 TOMCAT

MISSION:

FIGHTER

WINGSPAN:

Swept: 38.2 Feet -- 11.7 Meters

Unswept: 64.1 Feet -- 19.6 Meters

LENGTH:

62.0 Feet -- 18.9 Meters

WINGS:

Variable geometry, high-mounted with elliptical tips.

ENGINES:

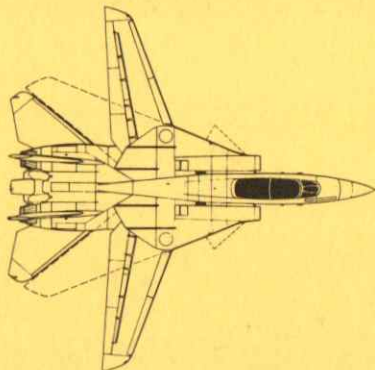
Twin turbofans mounted alongside fuselage.

FUSELAGE:

Tube-shaped with pointed nose.

TAIL:

Twin vertical stabilizers are swept. Horizontal stabilizer is swept and mid-mounted on fuselage.



NAME:

F-15 EAGLE

MISSION:

FIGHTER

WINGSPAN:

44.8 Feet - 13.7 Meters

LENGTH:

63.8 Feet - 19.4 Meters

WINGS:

Swept, high-mounted with elliptical tips. Chine fairings extend forward along air intakes.

ENGINES:

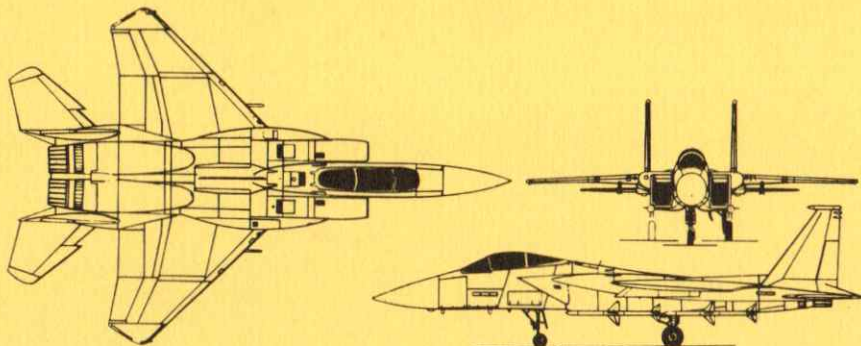
Two turbofans mounted in fuselage with rectangular air intakes on side of fuselage.

FUSELAGE:

Tube-shaped with pointed nose. Cockpit well forward of wing.

TAIL:

Twin vertical stabilizers are tapered-straight. Horizontal stabilizer is swept with sawtooth leading edge and mid-mounted on fuselage.



NAME: F-16 FIGHTING FALCON

MISSION: MULTI-ROLE FIGHTER

WINGSPAN: 31.2 Feet - 9.5 Meters

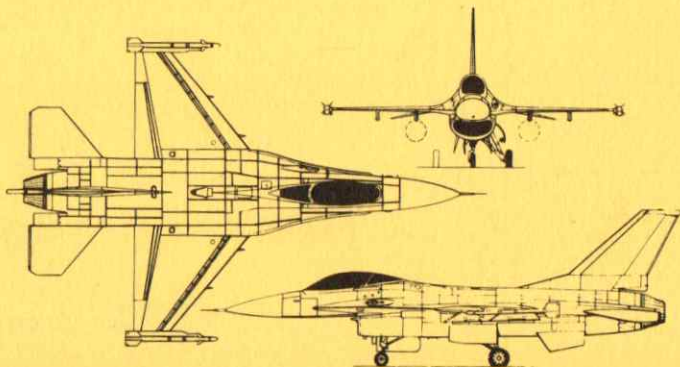
LENGTH: 49.5 Feet - 15.1 Meters

WINGS: Tapered-straight, mid-mounted with squared tips. Chine fairings extend forward to cockpit. Missile rails mounted on wingtips.

ENGINES: Single turbofan mounted in fuselage with intake under forward fuselage.

FUSELAGE: Cigar-shaped with pointed nose. Cockpit well forward of wing.

TAIL: Vertical stabilizer is swept with angular fairing. Horizontal stabilizer is tapered-straight with negative dihedral and mid-mounted on fuselage. Two ventral fins on rear fuselage.



NAME: C-130 HERCULES

MISSION: ASSAULT TRANSPORT

WINGSPAN: 132.5 Feet -- 40.3 Meters

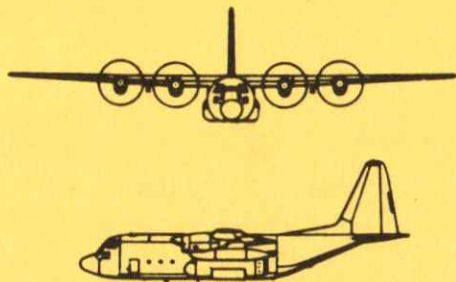
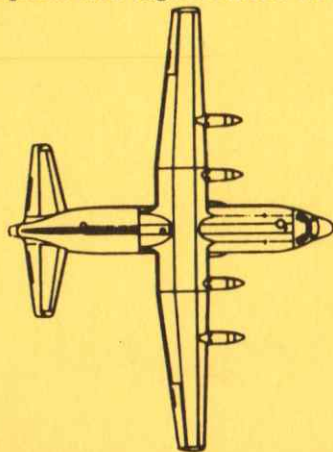
LENGTH: 97.7 Feet -- 29.7 Meters

WINGS: Straight-tapered, high-mounted with elliptical tips. Inboard trailing edges are straight.

ENGINES: Four turboprops mounted under wing. Nacelles extends beyond wing's leading edge.

FUSELAGE: Cigar-shaped with rounded nose. Rear of fuselage is upswept. Fuselage gear pods extend forward of wing's leading edge.

TAIL: Vertical stabilizer is tapered-tapered with curved fairing. Horizontal stabilizer is tapered-tapered and high-mounted on fuselage.



NAME:

TORNADO

MISSION:

FIGHTER/STRIKE/RECONNAISSANCE

WINGSPAN:

Swept: 28.2 Feet -- 8.6 Meters

Unswept: 45.6 Feet -- 13.9 Meters

LENGTH:

54.8 Feet -- 16.7 Meters

WINGS:

Variable geometry, high-mounted with elliptical tips.

ENGINES:

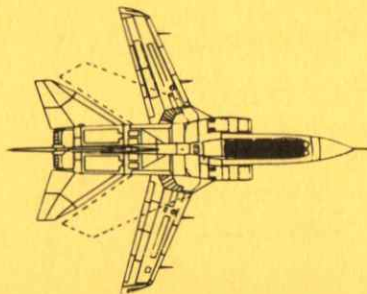
Two turbofans mounted in fuselage with large swept rectangular intakes mounted on each side of the fuselage.

FUSELAGE:

Cigar-shaped with pointed nose.

TAIL:

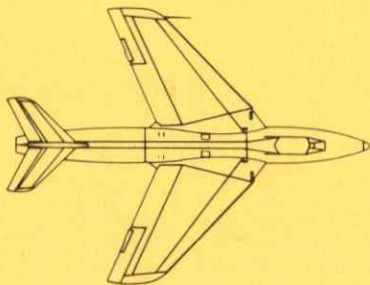
Vertical stabilizer is swept with angular fairing. Small air intake mounted in base of vertical stabilizer. ECM pod high-mounted on vertical stabilizer. Horizontal stabilizer is swept and mid-mounted on fuselage.



NAME: HUNTER

MISSION: FIGHTER
WINGSPAN: 33.7 Feet - 10.3 Meters
LENGTH: 45.9 Feet - 13.9 Meters

WINGS: Swept, mid-mounted with elliptical tips.
ENGINES: Single turbojet located in fuselage.
FUSELAGE: Cigar-shaped with rounded nose. Dorsal spine extends from canopy to curved fairing. Triangular air intakes in wing root.
TAIL: Vertical stabilizer is swept with short curved fairing. Horizontal stabilizer is swept and low-mounted on vertical stabilizer.



NAME: MiG-17 FRESCO

MISSION: FIGHTER

WINGSPAN: 36.0 Feet - 10.9 Meters

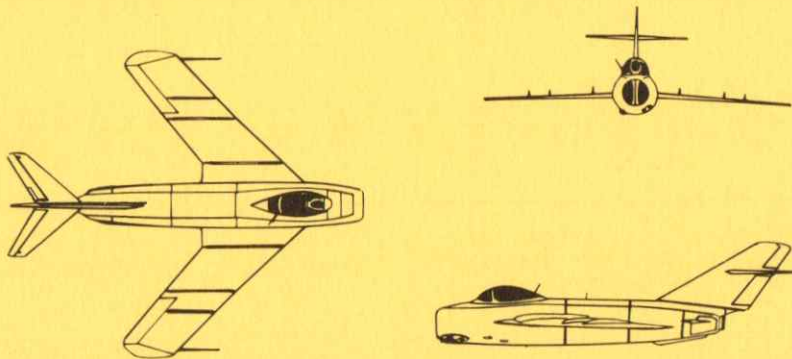
LENGTH: 40.0 Feet - 12.2 Meters

WINGS: Swept, mid-mounted with elliptical tips. Three stall fences on each wing.

ENGINES: Single turbojet mounted in fuselage with nose intake.

FUSELAGE: Cigar-shaped with blunt nose.

TAIL: Vertical stabilizer is swept. Horizontal stabilizer is swept and mid-mounted on vertical stabilizer.



NAME: MiG-21 FISHBED

MISSION: FIGHTER

WINGSPAN: 23.4 Feet -- 7.1 Meters

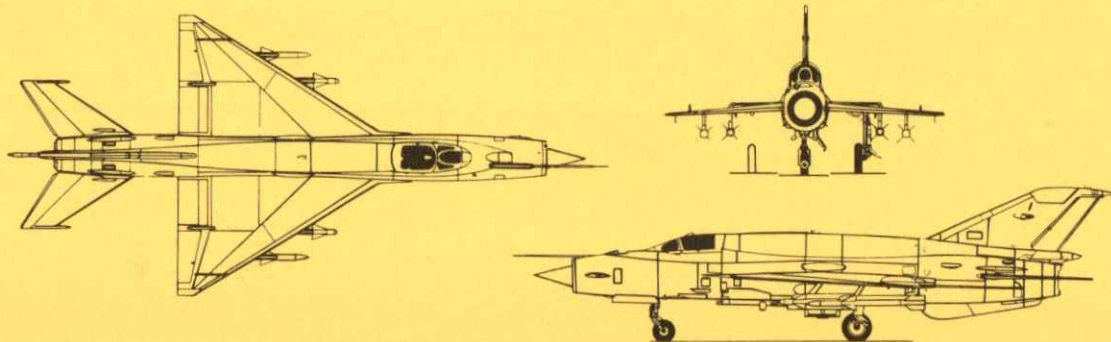
LENGTH: 52.1 Feet -- 15.9 Meters

WINGS: Delta, mid-mounted with clipped tips.

ENGINES: Single turbojet mounted in fuselage with air intake in nose.

FUSELAGE: Tube-shaped with blunt nose and shock cone. Dorsal spine extends aft of cockpit to vertical stabilizer. Ventral fin located under rear of fuselage.

TAIL: Vertical stabilizer is swept. Horizontal stabilizer is swept and mid-mounted on fuselage.



NAME:

MiG-23 FLOGGER

MISSION:

MULTI-PURPOSE FIGHTER

WINGSPAN:

Swept: 26.8 Feet - 8.2 Meters

Unswept: 46.8 Feet - 14.3 Meters

LENGTH:

52.2 Feet - 15.9 Meters

WINGS:

Variable geometry, high-mounted with elliptical tips. Sawtooth leading edge when swept.

ENGINES:

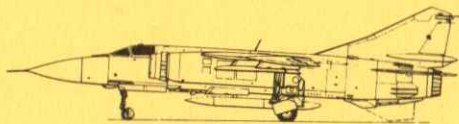
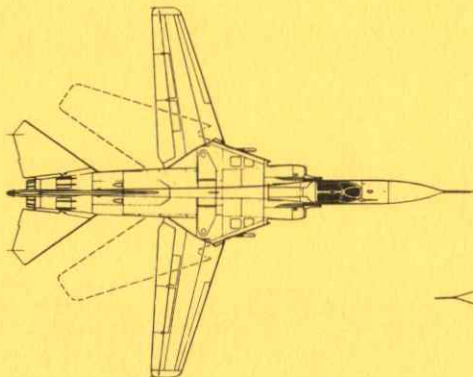
Single turbojet located in fuselage. Large rectangular air intakes.

FUSELAGE:

Cigar-shaped with pointed nose. Dorsal spine from rear of canopy to angular fairing. Large ventral fin at the rear.

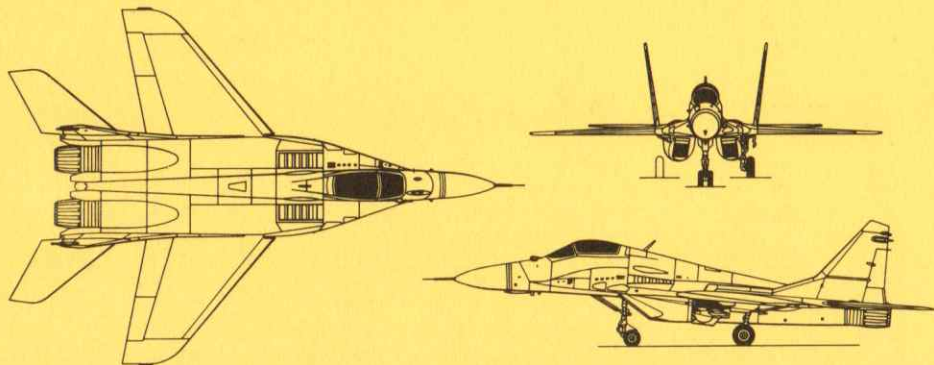
TAIL:

Vertical stabilizer is swept with a large angular fairing. Horizontal stabilizer is swept and high-mounted on fuselage.



NAME: MiG-29 FULCRUM
MISSION: FIGHTER
WINGSPAN: 37.7 Feet - 11.5 Meters
LENGTH: 56.4 Feet - 17.2 Meters

WINGS: Swept, low-mounted with elliptical tips. Chine fairing from forward of canopy to wing leading edge.
ENGINES: Two turbofans mounted under wing with wedge intakes.
FUSELAGE: Lobe-shaped with pointed nose.
TAIL: Twin vertical stabilizers are tapered-tapered with a stepped angular fairing extending over wings as a stall fence and canted outward. Horizontal stabilizer is swept and mid-mounted on fuselage extends well beyond exhaust.



NAME:

MIRAGE F1

MISSION:

INTERCEPTOR/ATTACK/RECONNAISSANCE

WINGSPAN:

27.6 Feet - 8.4 Meters

LENGTH:

50.2 Feet - 15.3 Meters

WINGS:

Swept, high-mounted with missile pylons on squared tips. Sawtooth leading edge.

ENGINES:

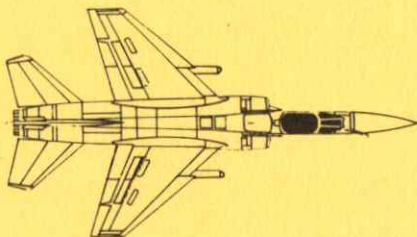
Single turbojet located in fuselage.

FUSELAGE:

Tube-shaped with pointed nose. Large semi-circular, air intakes with shock cones forward of wing root. Dorsal spine extends from canopy to mid-fuselage.

TAIL:

Vertical stabilizer is swept. Horizontal stabilizer is swept and mid-mounted on fuselage. Twin ventral fins mounted forward of engine exhaust.



NAME:

Su-7 FITTER A

MISSION:

FIGHTER/GROUND ATTACK

WINGSPAN:

29.4 Feet - 9.0 Meters

LENGTH:

57.0 Feet - 17.4 Meters

WINGS:

Swept, mid-mounted with squared tips. Straight inboard trailing edge with two stall fences on each wing.

ENGINES:

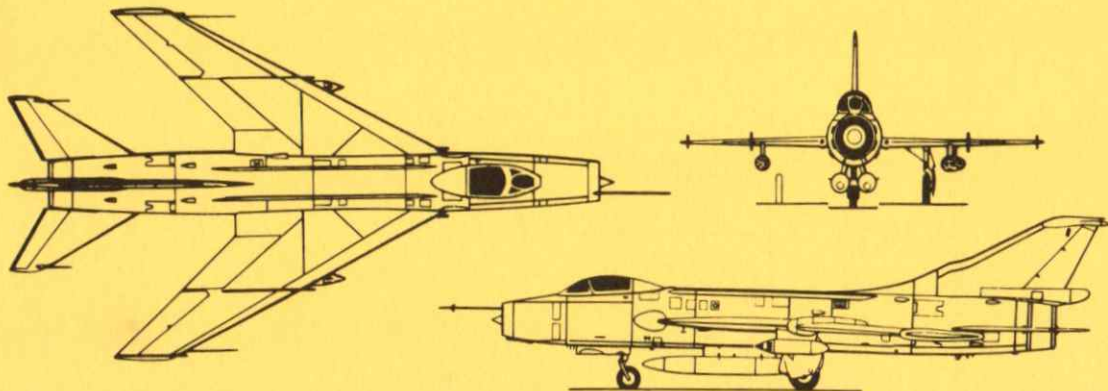
Single turbojet mounted in fuselage with nose intake.

FUSELAGE:

Tube-shaped with blunt nose and engine shock cone.

TAIL:

Vertical stabilizer is swept with curved fairing. Horizontal stabilizer is swept and mid-mounted on fuselage.



NAME:

Su-25 FROGFOOT

MISSION:

GROUND ATTACK

WINGSPAN:

50.9 Feet - 15.5 Meters

LENGTH:

47.6 Feet - 14.5 Meters

WINGS:

Tapered-straight, high-mounted, slight negative dihedral with wing tip pods.

ENGINES:

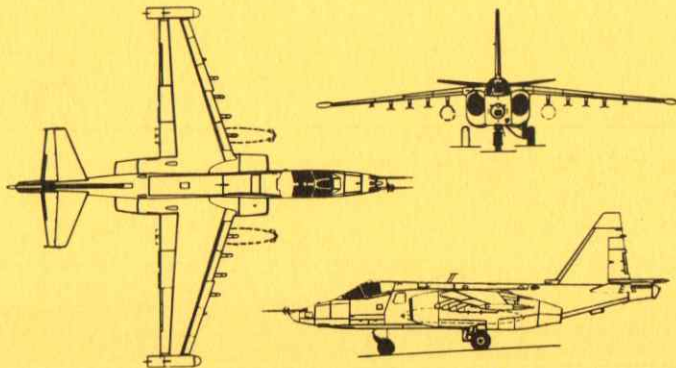
Two turbofans mounted on side of fuselage. Oval air intakes are mounted under wing forward of wing root.

FUSELAGE:

Tube-shaped with pointed nose.

TAIL:

Vertical stabilizer is tapered-tapered. Horizontal stabilizer is tapered-tapered and mid-mounted on fuselage.



NAME:

IL-28 BEAGLE

MISSION:

LIGHT BOMBER/MARITIME RECONNAISSANCE

WINGSPAN:

67.6 Feet - 20.6 Meters

LENGTH:

62.0 Feet - 18.9 Meters

WINGS:

Straight-tapered, high-mounted with squared tips. Maybe seen with wing tip tanks.

ENGINES:

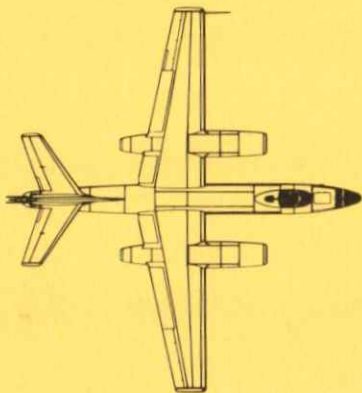
Two turbojets mounted under wings. Nacelles extend beyond wing's leading and trailing edges.

FUSELAGE:

Cigar-shaped with rounded, glazed nose. Tail gun turret mounted in rear.

TAIL:

Vertical stabilizer is swept with a curved fairing. Horizontal stabilizer is swept and low-mounted on vertical stabilizer.



NAME:

Tu-16 BADGER

MISSION:

BOMBER/TANKER/RECONNAISSANCE

WINGSPAN:

108.0 Feet -- 32.9 Meters

LENGTH:

114.1 Feet -- 34.8 Meters

WINGS:

Swept, mid-mounted with elliptical tips. Two stall fences on each wing. Landing gear pods extend beyond trailing edge.

ENGINES:

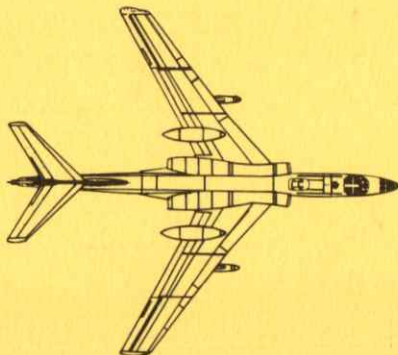
Two turbojets located in wing root. Nacelles extend beyond wing leading and trailing edges.

FUSELAGE:

Tube-shaped with rounded nose. Gun turret just aft of canopy. Tail gun compartment just aft of vertical stabilizer and some Badgers have been seen with a fairing in place of the tail gun.

TAIL:

Vertical stabilizer is swept with small angular fairing. Horizontal stabilizer is swept and low-mounted on vertical stabilizer.



NAME:

Tu-22 BLINDER

MISSION:

BOMBER

WINGSPAN:

90.8 Feet - 27.7 Meters

LENGTH:

132.9 Feet - 40.5 Meters

WINGS:

Swept, low-mounted with wing tip electronic pods. Landing gear pods extend beyond wing trailing edge. Small stall fence located midway between gear pod and wing tip.

ENGINES:

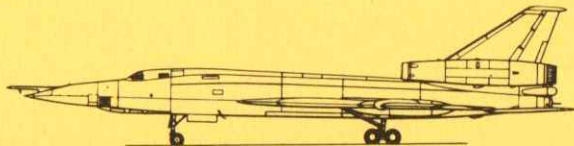
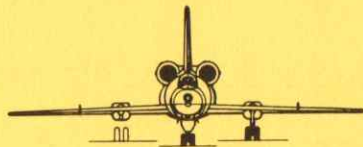
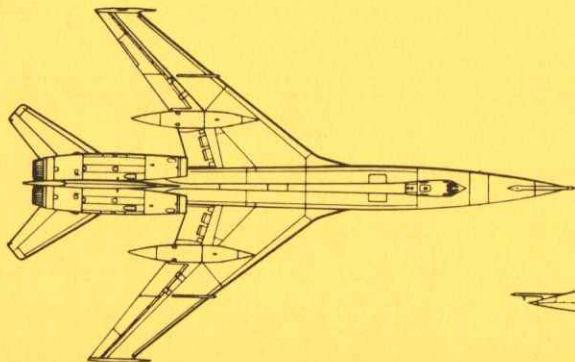
Two turbojets located at base of vertical stabilizer.

FUSELAGE:

Tube-shaped with pointed nose. Tail gun compartment just aft of vertical stabilizer.

TAIL:

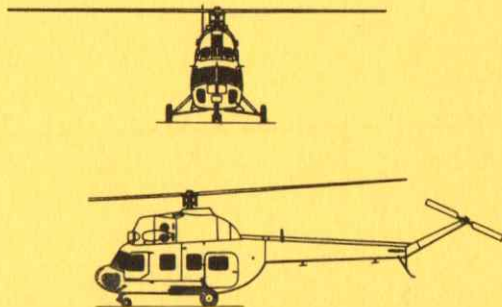
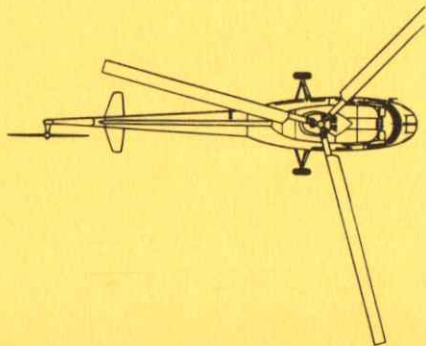
Vertical stabilizer is swept. Horizontal stabilizer is swept and low-mounted on fuselage.



NAME: Mi-2 HOPLITE

MISSION: GENERAL PURPOSE
ROTOR DIAMETER: 47.7 Feet - 14.5 Meters
LENGTH: 39.2 Feet - 11.9 Meters

ROTORS: Three-bladed main rotor. Two-bladed right-mounted tail rotor.
ENGINES: Two turboshafts mounted in fuselage.
FUSELAGE: Pod and boom fuselage. Elliptical pod with fixed tricycle landing gear.
TAIL: No vertical stabilizer but tailboom is upswept at rear. Horizontal stabilizer is tapered-tapered and mounted on rear of tail boom.



NAME: Mi-4 HOUND

MISSION: GENERAL PURPOSE/ANTI-SUBMARINE WARFARE

ROTOR DIAMETER: 68.9 Feet - 21.0 Meters

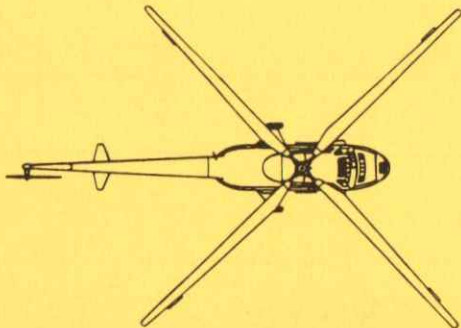
LENGTH: 55.1 Feet - 16.8 Meters

ROTORS: Four-bladed main rotor. Three-bladed right-mounted tail rotor.

ENGINES: One piston engine within nose section.

FUSELAGE: Pod and boom. Oval pod with stepped up cockpit and solid, rounded nose. Rear loading clamshell doors.

TAIL: Vertical stabilizer is swept. Horizontal stabilizer is tapered-tapered and mounted on rear of tail boom.



NAME:

Mi-6 HOOK

MISSION:

TRANSPORT

ROTOR DIAMETER: 114.8 Feet - 35.0 Meters

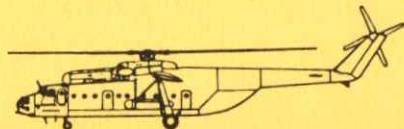
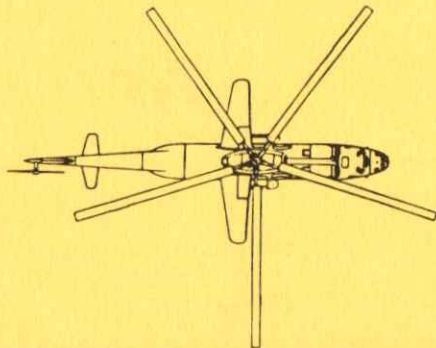
LENGTH: 137.0 Feet - 41.7 Meters

ROTORS: Five-bladed main rotor. Four-bladed right-mounted tail rotor.

ENGINES: Two turboshafts mounted in fuselage.

FUSELAGE: Pod and boom fuselage with high-mounted stub wings. Stub wings are removable.

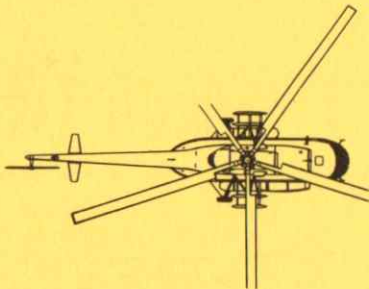
TAIL: Vertical stabilizer is swept. Horizontal stabilizer is tapered-tapered and mounted on rear of tail boom.



NAME: Mi-8 HIP

MISSION: ASSAULT/TRANSPORT
ROTOR DIAMETER: 70.0 Feet -- 21.3 Meters
LENGTH: 60.0 Feet -- 18.3 Meters

ROTORS: Five-bladed main rotor. Three-bladed right-mounted tail rotor.
ENGINES: Two turboshafts mounted in fuselage.
FUSELAGE: Pod and boom fuselage. Rectangular pod with glazed nose. External fuel tank mounted on left side of fuselage. Tube-shaped fairing mounted on right side. Fixed tricycle landing gear.
TAIL: Vertical stabilizer is swept. Horizontal stabilizer is tapered-tapered and mid-mounted on rear of tail boom.



NAME:

Mi-24 HIND

MISSION:

ASSAULT

ROTOR DIAMETER:

56.0 Feet -- 17.0 Meters

LENGTH:

55.6 Feet -- 16.9 Meters

ROTORS:

Five-bladed main rotor. Three-bladed left-mounted tail rotor.

ENGINES:

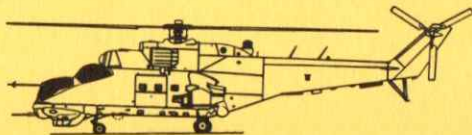
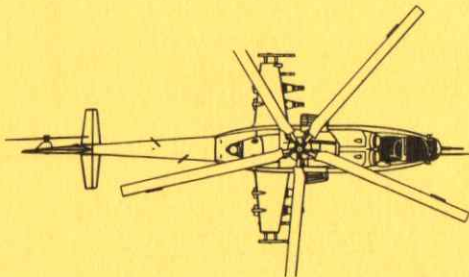
Two turboshafts mounted in fuselage.

FUSELAGE:

Tapers into thick tail boom. Stub wings may be seen with stepped cockpit.

TAIL:

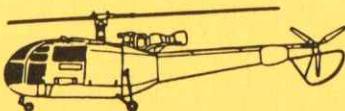
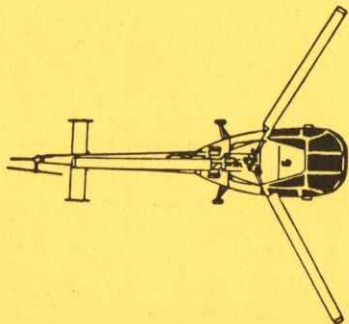
Vertical stabilizer is swept. Horizontal stabilizer is tapered-tapered and mounted on rear of tail boom.



NAME: SA-316 ALOUETTE III

MISSION: GENERAL PURPOSE
ROTOR DIAMETER: 36.1 Feet - 11.0 Meters
LENGTH: 32.8 Feet - 10.0 Meters

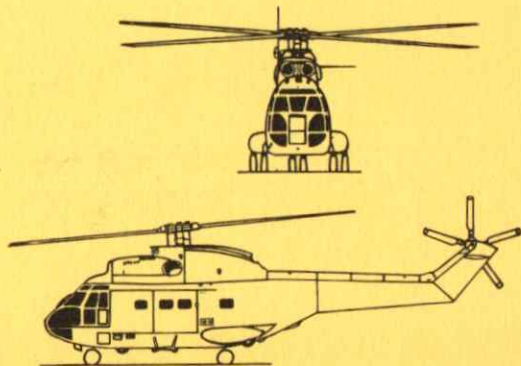
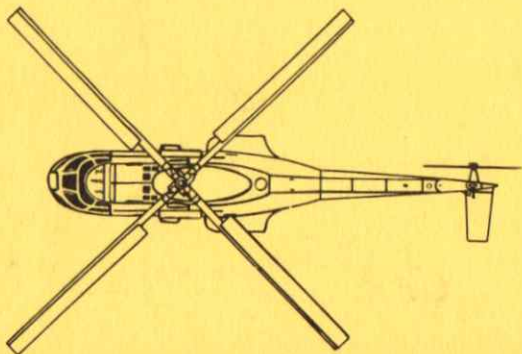
ROTORS: Three-bladed main rotor. Three-bladed right-mounted tail rotor.
ENGINES: One turboshaft mounted externally on fuselage.
FUSELAGE: Pod and boom fuselage. Elliptical pod with glazed nose. Fixed tricycle landing gear. May be seen with side-mounted rocket launchers.
TAIL: No vertical stabilizer. Horizontal stabilizer is straight-straight and mounted on rear of tail boom with endplates.



NAME: SA-330 PUMA

MISSION: TRANSPORT
ROTOR DIAMETER: 49.2 Feet - 15.0 Meters
LENGTH: 59.7 Feet - 18.2 Meters

ROTORS: Four-bladed main rotor. Five-bladed right-mounted tail rotor.
ENGINES: Two turboshafts mounted in fuselage.
FUSELAGE: Pod and boom with rounded nose. Sponsons located near bottom rear of cargo compartment. Retractable tricycle landing gear.
TAIL: Vertical stabilizer is swept. Horizontal stabilizer is tapered-tapered and left-mounted high on vertical stabilizer.



NAME: MBB BO-105

MISSION: GENERAL PURPOSE
ROTOR DIAMETER: 32.3 Feet - 9.8 Meters
LENGTH: 38.9 Feet - 11.9 Meters

ROTORS: Four-bladed main rotor. Two-bladed left-mounted tail rotor.
ENGINES: Two turboshafts mounted in fuselage.
FUSELAGE: Pod and boom fuselage. Rectangular pod with glazed nose. Skid landing gear.
TAIL: Vertical stabilizer is swept. Horizontal stabilizer is straight-straight and mounted on rear of tail boom with endplates.

