



UOAF Israel 1980s



Visual Aircraft Recognition Guide

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v 1.1 June 2021

ISRAEL

A-4 Skyhawk	4
F-4 Phantom II	5
F-15 Eagle	6
F-16 Fighting Falcon	7
Kfir	8
C-130 Hercules	9
E-2C Hawkeye	10
AH-1 Cobra	11
MD-500 Defender	12
UH-1 Iroquois	13
CH-53 Sea Stallion	14

SYRIA

MiG-21 Fishbed	16
MiG-23 Flogger	17
MiG-25 Foxbat	18
MiG-29 Fulcrum	19
Su-7B Fitter	20
Su-17, Su-20, Su-22 Fitter	21
An-24 Coke	22
Il-76 Candid	23
Mi-8 Hip	24
Mi-24 Hind	25

EGYPT

F-4 Phantom II	28
F-16 Fighting Falcon	29
J-6 Farmer	30
J-7, MiG-21 Fishbed	31
MiG-17 Fresco	32
Mirage 2000	33
Il-28 Beagle	34
Tu-16 Badger	35
C-130 Hercules	36
E-2C Hawkeye	37
MD-500 Defender	38
Mi-8 Hip	39
CH-47 Chinook	40

JORDAN

MIRAGE F1	42
C-130 Hercules	43



ISRAEL

A-4 SKYHAWK



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. Hawk, Mirage III/5, Yak-38 Forger, F-4 Phantom II.

Crew. One; Trainer—two.

Role. Attack, CAS.

Armament. Bombs, rockets, missiles, gun pods, two cannons.

Dimensions. Length: 40 ft, 3 in (12.28 m). Span: 27 ft, 6 in (8.38 m).

WEFT DESCRIPTION

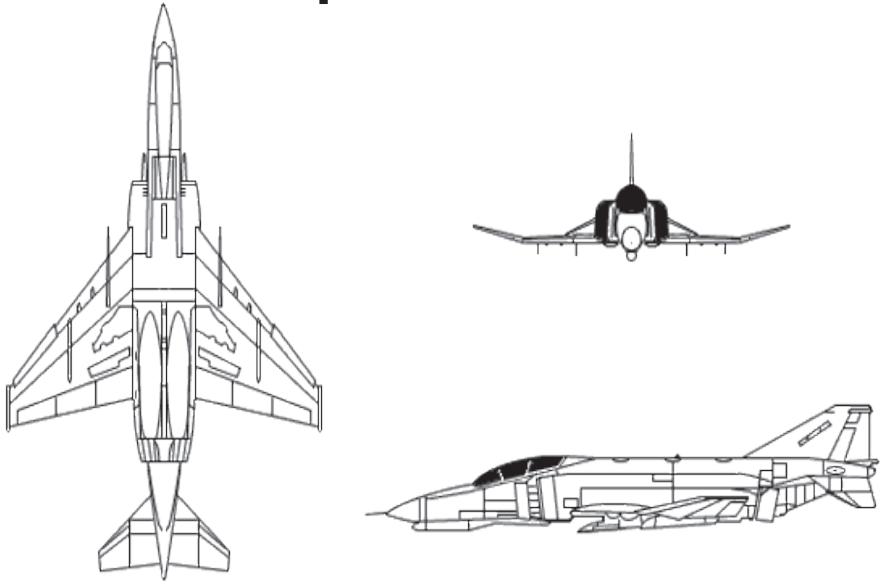
Wings. Low-mounted delta with curved tips.

Engine(s). Single turbojet inside body. Air intakes semicircular and mounted on the body above and forward of the wings' leading edges.

Fuselage. Barrel-shaped with solid, pointed nose. Humped dorsal spine. Body widens at air intakes and tapers to the rear. Bubble canopy. Some versions have an extended nose.

Tail. Delta-shaped tail flats mounted low on a swept-back, tapered tail fin with a square tip.

F-4 PHANTOM II



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. Jaguar, Buccaneer, A-4 Skyhawk, Super Etendard.

Crew. Two.

Role. Fighter-bomber, CAS, ECM, reconnaissance.

Armament. Cannon, rockets, missiles, bombs.

Dimensions. Length: 63 ft (18.7 m). Span: 38 ft, 5 in (11.77 m).

WEFT DESCRIPTION

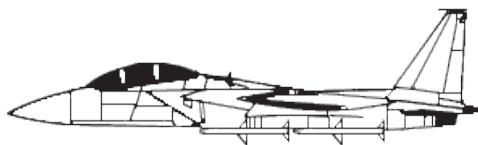
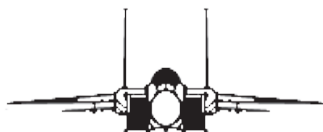
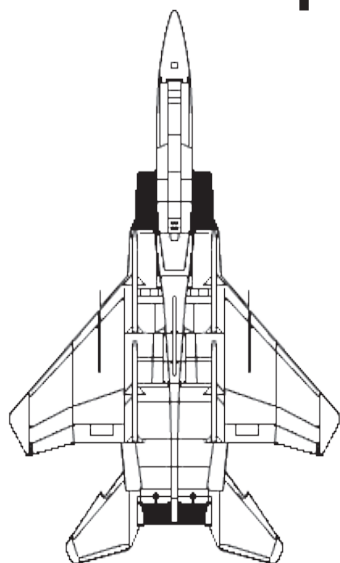
Wings. Low-mounted, swept-back, and semi-delta with square tips. Positive slanted wing tips. There is a sawtooth in leading edges of the wings.

Engine(s). Two engines inside the body with rectangular air intakes alongside the body in front of the wings. Twin exhausts beneath a large overhanging rear section.

Fuselage. Rectangular midsection, pointed droopy nose, and a bubble cockpit.

Tail. Flats are mid-mounted on the body, delta-shaped with a negative slant. Sharply back-tapered fin with a square tip.

F-15 EAGLE



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. F-14 Tomcat, Su-24 Fencer, Tornado, MiG-29 Fulcrum, Su-27 Flanker.

Crew. One; trainer—two.

Role. Air superiority fighter, interceptor.

Armament. Missiles, cannon.

Dimensions. Length: 63 ft, 9 in (19.45 m). Span: 42 ft, 9 in (13.05 m).

WEFT DESCRIPTION

Wings. High-mounted, semidelta with angular, blunt tips.

Engine(s). Two mounted in the rear. Diagonally-shaped, box-like air intakes alongside the fuselage. Dual exhausts.

Fuselage. Long, pointed nose and a bubble canopy. Large, box-like center section that tapers slightly to the front and rear.

Tail. Two fins with tapered leading edges, straight trailing edges, and square tips. Flats mid-mounted on the fuselage, swept-back, and tapered with angular, blunt tips, and a large saw tooth in the leading edges.

F-16 FIGHTING FALCON



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. F/A-18 Hornet, MiG-29 Fulcrum, Mirage F1.

Crew. One; F-16B--two.

Role. Multi-role ground-attack/fighter.

Armament. Cannon, missiles, bombs.

Dimensions. Length: 47 ft, 8 in (14.54 m). Span: 31 ft (9.46 m).

WEFT DESCRIPTION

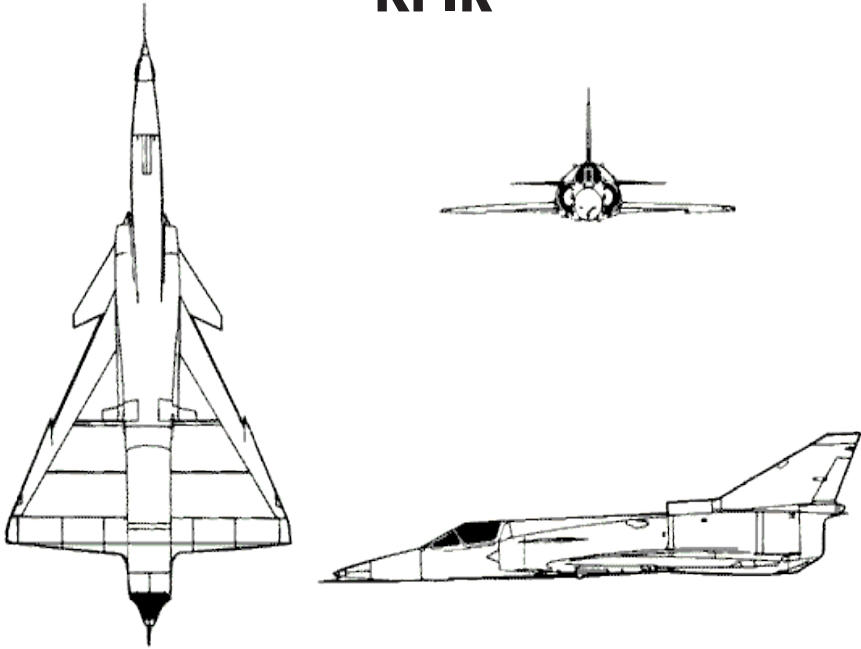
Wings. Mid-mounted, delta-shaped. Missiles are normally mounted at the wing tips.

Engine(s). One in body. Oval air intake under the center of the fuselage. Single exhaust.

Fuselage. Long, slender body, widens at air intake. Pointed nose. Bubble canopy.

Tail. Swept-back, tapered fin with square tip. Flats mid-mounted on the fuselage, delta-shaped with square tips, and a slight negative slant. Two belly fins.

KFIR



GENERAL DATA

Country of Origin. Israel.

Similar Aircraft. Mirage III/5, Mirage 2000, Viggen.

Crew. One; trainer—two.

Role. Ground-attack, interceptor.

Armament. 30-mm cannons, missiles, bombs, rockets.

Dimensions. Length: 53 ft, 8 in (16.36 m). Span: 27 ft (8.24 m).

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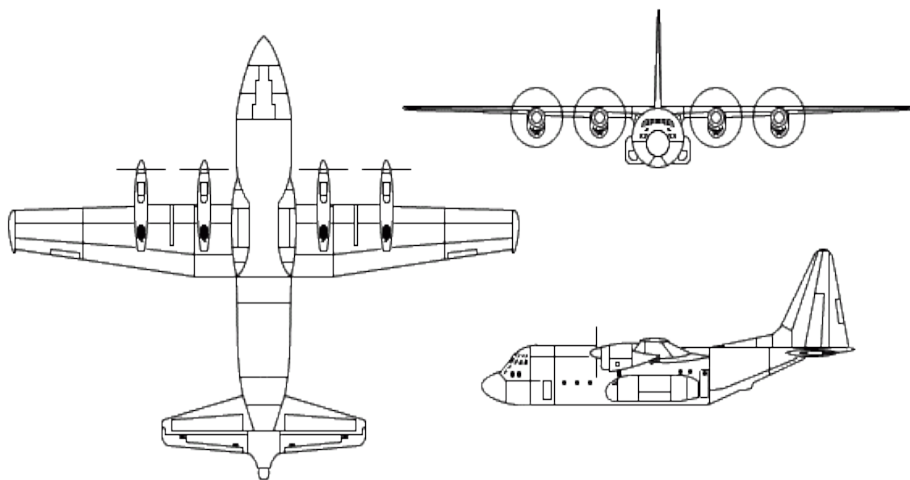
Wings. Low-mounted, delta-shaped with a sawtooth in the leading edges. Small canards are mounted on the air intakes.

Engine(s). One turbojet inside fuselage. Semicircular air intakes alongside the fuselage. Large, single exhaust.

Fuselage. Tube-shaped with long, solid, pointed nose. Body widens at the air intakes. Bubble canopy flush with the spine.

Tail. No tail flats. Fin is swept-back and tapered with a prominent step in the leading edge.

C-130 HERCULES



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. An-12 Cub, C-160 Transall, G.222.

Crew. Four.

Role. Transport, airdrop, low-level extraction, air refueling, reconnaissance, gunship.

Armament. Usually none, except AC-130G gunship.

Dimensions. Length: 97 ft, 9 in (29.78 m). Span: 132 ft, 7 in (40.41 m).

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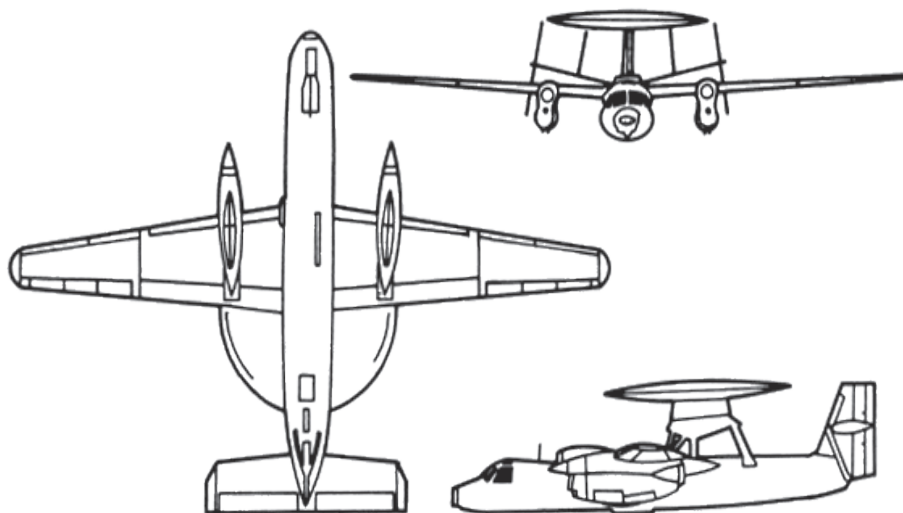
Wings. High-mounted with straight leading edges, forward tapered trailing edges, and blunt tips.

Engine(s). Four turboprops mounted under and extending beyond wings' leading edges.

Fuselage. Wide and circular with solid, blunt nose. Stepped cockpit. Upswept rear section.

Tail. Flats equally tapered and high-mounted on the body. Tall tail fin tapered with a blunt tip.

E-2C HAWKEYE



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. G.222, C-160 Transall.

Crew. Five.

Role. AEW.

Armament. None.

Dimensions. Length: 57 ft, 6 in (17.53 m). Span: 80 ft, 6 in (24.6 m).

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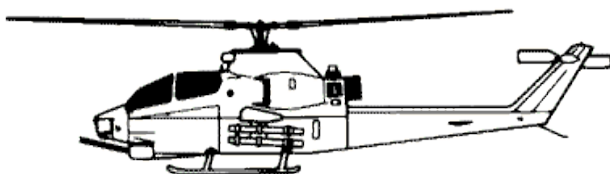
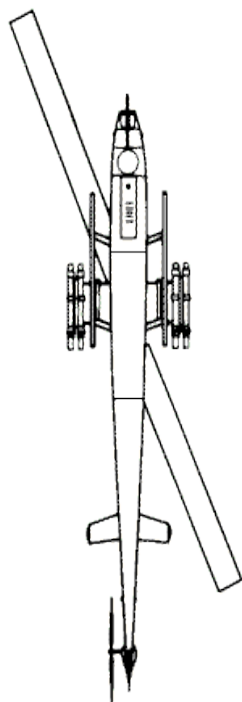
Wings. High-mounted and equally tapered with blunt tips.

Engine(s). Two turboprops mounted under the wings. Engines extend well beyond the wings' leading edges.

Fuselage. Oval that tapers to the rear. Rounded nose. Stepped-up cockpit. Large radome.

Tail. Four fins (two fins are mounted on the tips of the flats and extend below the flats; the two inside fins are mounted on top of the flats). Flats are high-mounted on the fuselage and have a positive slant.

AH-1 COBRA



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. Mi-24 Hind, Mangusta A129, AH-64 Apache.

Crew. Two.

Role. Attack helicopter.

Armament. Cannon, grenade launcher, rockets, missiles, TOW missiles.

Dimensions. Length: 44 ft, 7 in (13.6 m). Rotor diameter: 44 ft (13.42 m).

WEFT DESCRIPTION

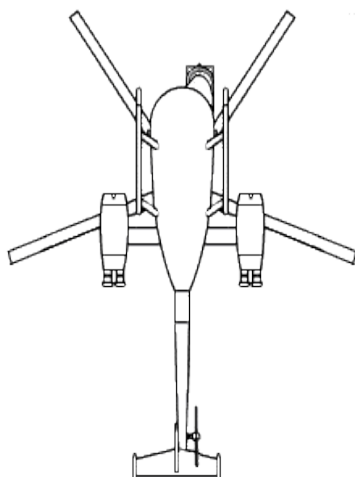
Wings. Large, dual-blade main rotor. Weapon-carrying wings are mid-mounted, short, and stubby.

Engine(s). One turboshaft mounted on top of the body forming a hump-like appearance. Single exhaust.

Fuselage. Thin, oval body with a short, pointed nose. Stepped, flat-plated canopy and tapered rear section. Low-mounted, tubular tail boom.

Tail. Small flats are mid-mounted, swept-back, tapered, blunt-tipped, and forward of the fin. Swept-back fin is tapered. Rotor on the right.

MD-500 DEFENDER



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. OH-6 Cayuse, BO 105, Alouette II.

Crew. One.

Role. ASW, scout, antitank, multimission.

Armament. Chain gun, missiles, TOW-capable.

Dimensions. Length: 23 ft (7.02 m). Rotor diameter: 26 ft, 4 in (8.04 m).

WEFT DESCRIPTION

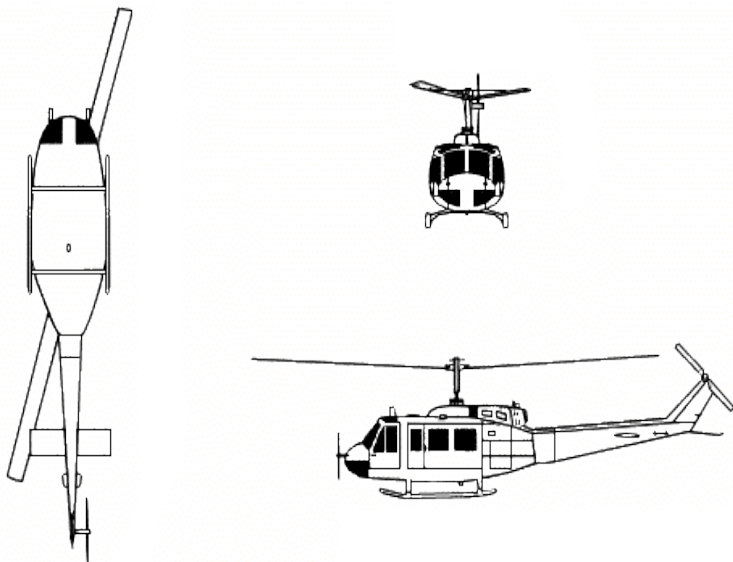
Wings. Either four- or five-blade main rotor (depending on model). Weapons platform on lower rear body.

Engine(s). One mounted inside body. Air intakes on top of cabin. Blackhole exhaust.

Fuselage. Teardrop-shaped. Round, glassed-in cockpit. Landing skids.

Tail. Fin boomerang-shaped, swept-back, and tapered. Flats back-tapered with small fins attached to the tips. Flats high-mounted on the fin forming a "T". Rotor on lower left of tail boom.

UH-1 IROQUOIS



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. UH-1N Model 212, OH-58 Kiowa, Lynx, Hirundo A109.

Crew. Two.

Role. Utility transport (seven equipped troops).

Armament. Missiles, rockets, machine guns.

Dimensions. Length: 42 ft (12.79 m). Rotor diameter: 48 ft (14.64 m).

WEFT DESCRIPTION

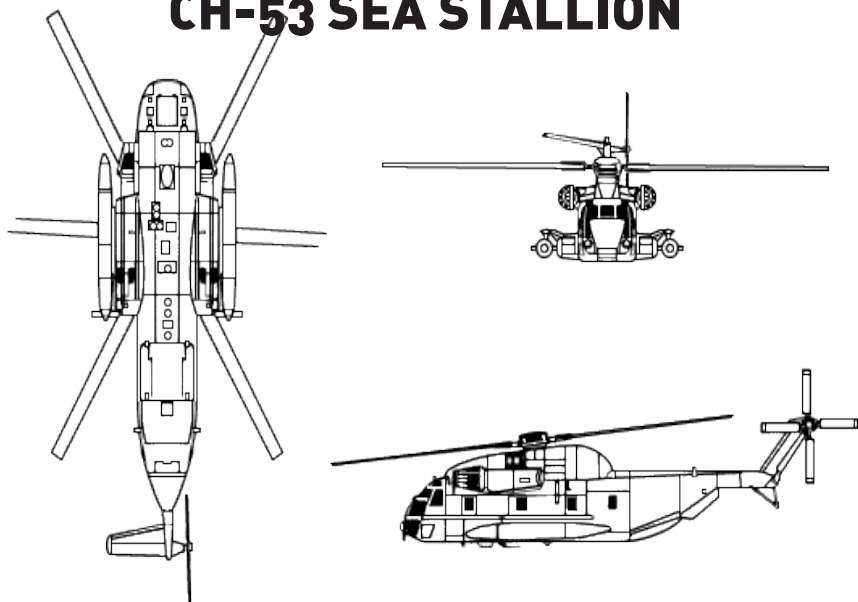
Wings. Dual-blade main rotor mounted over the cabin.

Engine(s). One turboshaft on top rear of cabin.

Fuselage. Long, oval body, with tapered rear. Rounded nose. Stepped-up cockpit. Swell in center of cabin. Landing skids.

Tail. Mid-mounted, rectangular flats with square tips. Swept-back fin with rotor on the left.

CH-53 SEA STALLION



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. HH-3E Jolly Green Giant, SH-3 Sea King, Super Frelon, Mi-26 Halo.

Crew. Two on flight deck.

Role. Heavy-assault transport (55 equipped troops, vehicles, guns), rescue.

Armament. Usually none.

Dimensions. Length: 67 ft (20.46 m). Rotor diameter: 72 ft, 3 in (22.04 m).

WEFT DESCRIPTION

Wings. Large, six-blade main rotor mounted on a long hump above the body midsection.

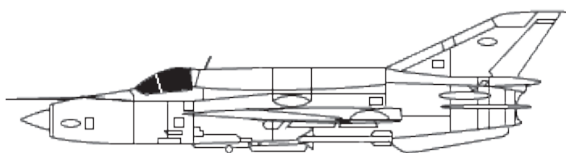
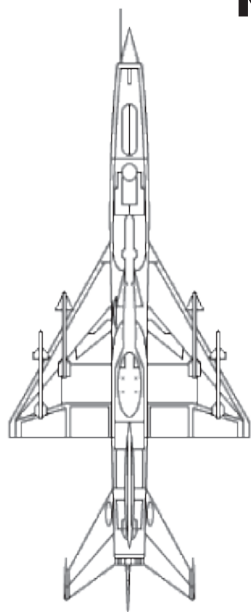
Engine(s). Two turboshafts mounted high and outside the body midsection.

Fuselage. Large, boat-shaped with rounded nose. Body tapers to rear. Glassed-in cockpit. Upswept rear section. Landing gear pods at lower midsection.

Tail. One tapered flat on right side of swept-back fin. Rotor on left side of fin.



MiG-21 FISHBED



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. Fitters, all models, Mirage III/5, A-4 Skyhawk.

Crew. One; MiG-21U Mongol--two.

Role. Ground-attack, interceptor, trainer.

Armament. Cannon, missiles, rockets, bombs.

Dimensions. Length: 51 ft, 8 in (15,78 m). Span: 23 ft, 5 in (7.16 m).

WEFT DESCRIPTION

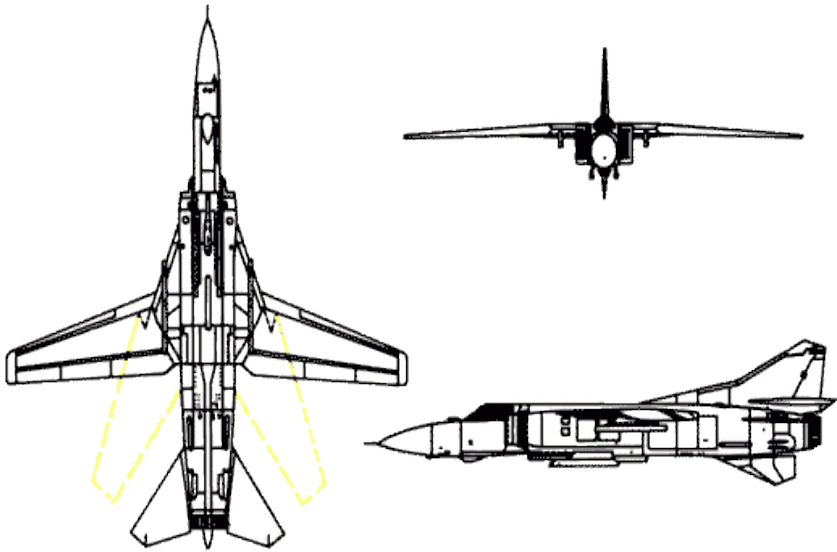
Wings. Mid-mounted delta wing with small square tips.

Engine(s). One turbojet inside the body. Small round air intake in the nose. Single exhaust.

Fuselage. Long, tubular body with a blunt nose and bubble canopy. One belly fin under the rear section. Large dorsal spine flush with the canopy.

Tail. Fin swept-back and tapered with a square tip. Flats are mid-mounted on the body, swept-back, and tapered with square tips.

MiG-23 FLOGGER



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. MiG-27 Flogger D, Tornado, Su-24 Fencer, F-111.

Crew. One; MiG-23U and -23C—two.

Role. Interceptor, fighter.

Armament. Missiles, cannon.

Dimensions. Length: 55 ft (16.6 m). Span: 46 ft, 9 in (14.26 m).

WEFT DESCRIPTION

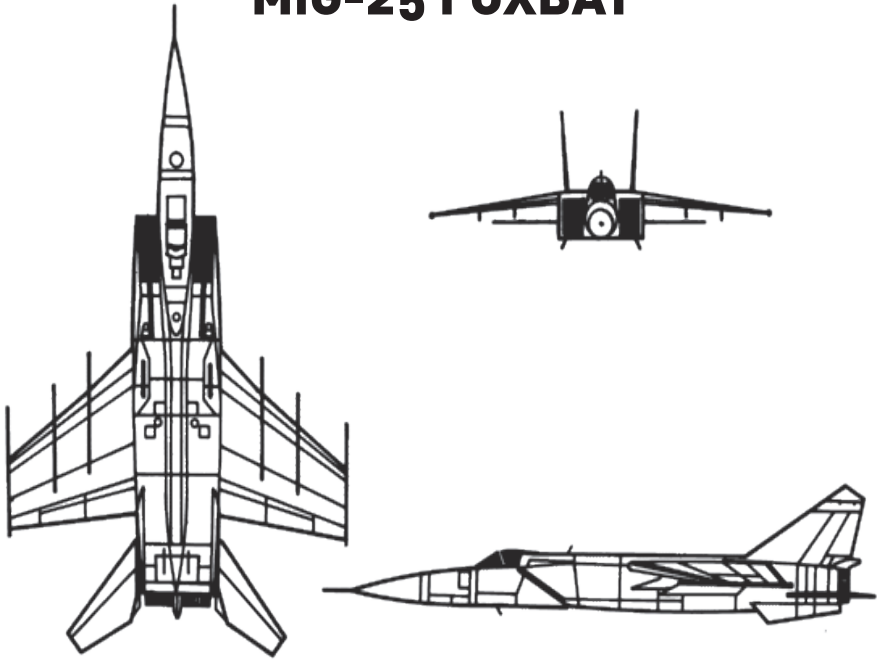
Wings. High-mounted, variable, swept-back, and tapered with blunt tips.

Engine(s). One turbofan inside the body. Rectangular, box-like air intakes forward of the wing roots. Single exhaust.

Fuselage. Long and tubular, except where intakes give a box-like appearance. Long, pointed nose. Stepped canopy. Large, swept-back, and tapered belly fin under the rear section.

Tail. Swept-back and tapered tail fin has a curved dorsal in the leading edge and an angular tip. Swept-back and tapered flats are high-mounted on the fuselage with angular tips.

MiG-25 FOXBAT



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. F-14 Tomcat, F-15 Eagle, MiG-31 Foxhound.

Crew. One.

Role. Interceptor, reconnaissance.

Armament. Air-to-air missiles.

Dimensions. Length: 70 ft (21.34 m). Span: 41 ft (12.6 m).

WEFT DESCRIPTION

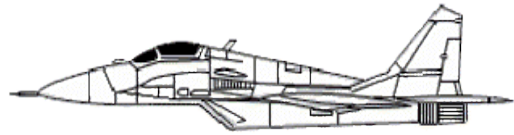
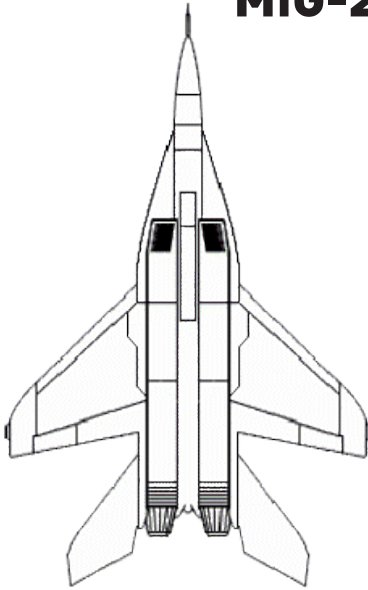
Wings. High-mounted, swept-back, and tapered with square tips.

Engine(s). Two turbojets. Large rectangular air intakes below the canopy and forward of the wing roots. Dual exhaust.

Fuselage. Long and slender with solid, pointed nose. Box-like from the air intakes to rear section. Bubble canopy.

Tail. Twin, sweptback, and tapered fins with angular tips. Flats mid- to low-mounted on fuselage, swept-back, and tapered with angular tips.

MiG-29 FULCRUM



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. F/A-18 Hornet, F-16 Fighting Falcon, F-15 Eagle, Su-27 Flanker.

Crew. One.

Role. Attack, counter-air fighter.

Armament. Missiles, 30-mm gun.

Dimensions. Length: 50 ft, 10 in (15.6 m). Span: 33 ft, 7 in (10.26 m).

WEFT DESCRIPTION

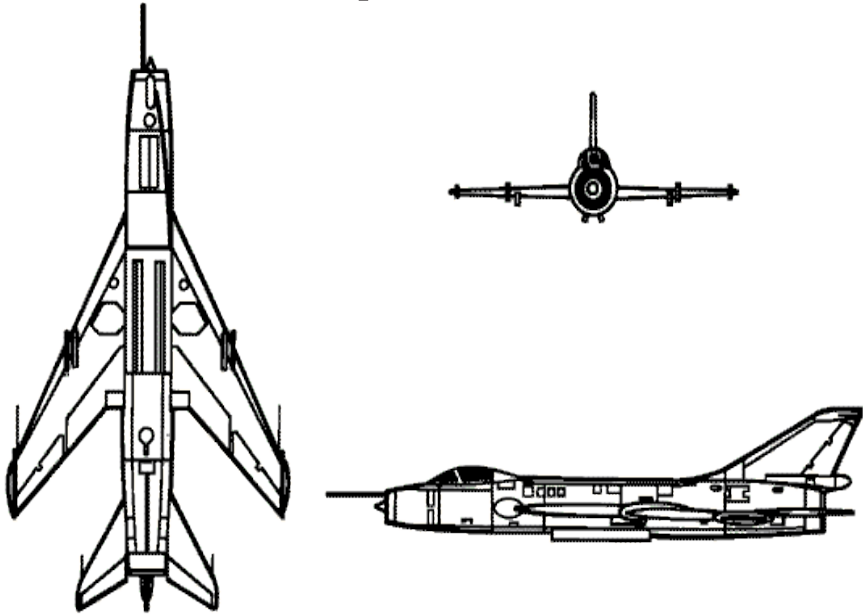
Wings. Swept-back and tapered with square tips. LERXs are wide and curved down to the front. LERX begins on the nose below the mid-mount point, and the wing's trailing edges end at a high-mounted point.

Engine(s). Twin jets are mounted low and to the sides of the fuselage. Diagonal-shaped air intakes give a box-like appearance. Large exhausts.

Fuselage. Long, thin, slender body with long, pointed drooping nose. High-mounted bubble canopy.

Tail. Fins have sharply tapered leading edges, canted outward with angular, cutoff tips. Flats are high-mounted on the fuselage, movable, swept-back, and tapered with a negative slant.

Su-7B FITTER



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. Lightning, F-100 Super Sabre, MiG-21 Fishbed.

Crew. One.

Role. Ground-attack.

Armament. Two 30-mm cannon, rockets, bombs.

Dimensions. Length: 57 ft (17.38 m). Span: 29 ft, 3 in (9 m).

WEFT DESCRIPTION

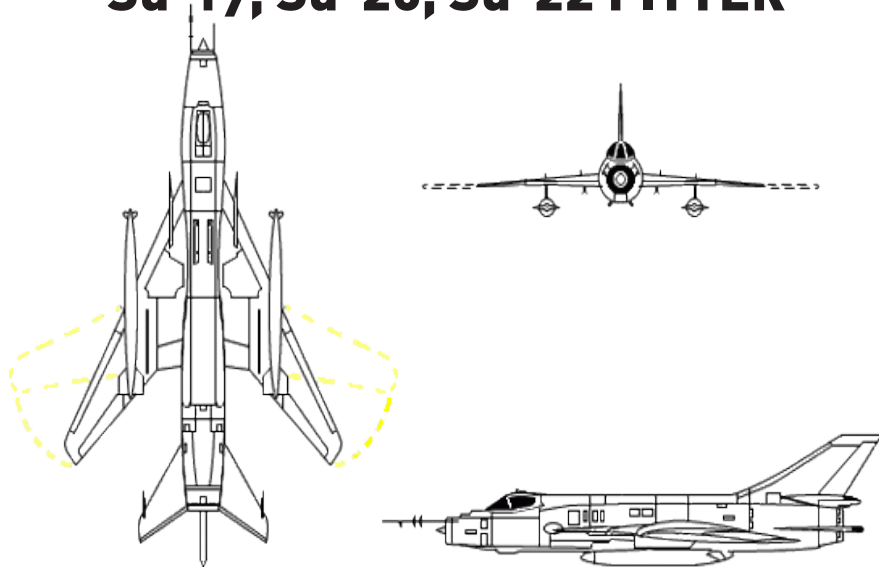
Wings. Mid- to low-mounted (wings are mounted below center of aircraft) with wide wing roots, swept-back, and tapered with blunt tips.

Engine(s). One in the body. Circular air intake in the nose. Large, single exhaust.

Fuselage. Long, tubular body with blunt nose and rear. Large, bubble canopy.

Tail. Swept-back and tapered tail fin with a blunt tip. Swept-back and tapered flats mid- to low-mounted on the fuselage.

Su-17, Su-20, Su-22 FITTER



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. MiG-21 Fishbed, Su-7 Fitter, A-7 Corsair II, G.91Y.

Crew. One.

Role. Ground-attack.

Armament. Cannon, rockets, missiles, bombs.

Dimensions. Length: 61 ft, 6 in (18.76 m). Span: 45 ft (13.8 m).

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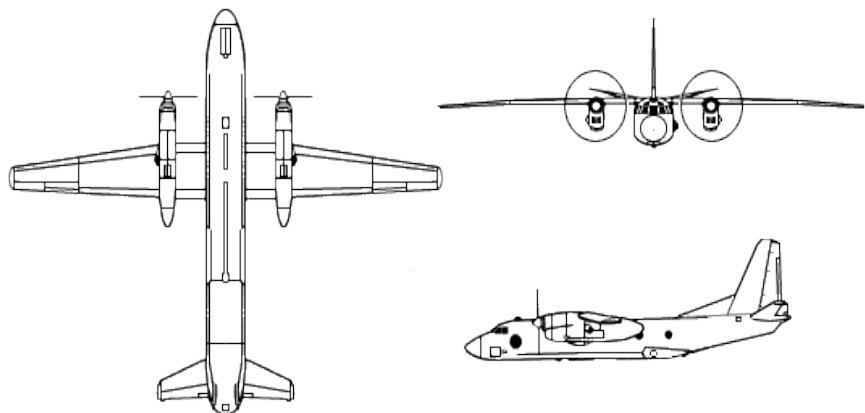
Wings. Mid- to low-mounted (wings are mounted below the center), variable, swept-back, and tapered with blunt tips. Wide wing roots.

Engine(s). One turbojet in the fuselage. Circular air intake in the nose. Large, single exhaust.

Fuselage. Long, tubular with blunt nose and rear section. Large bubble canopy. Prominent dorsal spine on top of the body from the cockpit to the tail fin.

Tail. Swept-back and tapered fin with a square tip. Flats mid- to low-mounted on the fuselage swept-back and tapered.

An-24 COKE



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. An-32 Cline, IL-20 Coot, P-3C Orion, An-12 Cub.

Crew. Five.

Role. Short haul, light-transport, cargo (40 equipped troops, small vehicles), paratroop.

Armament. Usually none.

Dimensions. Length: 77 ft, 2 in (23.54 m). Span: 95 ft, 9 in (29.2 m).

WEFT DESCRIPTION

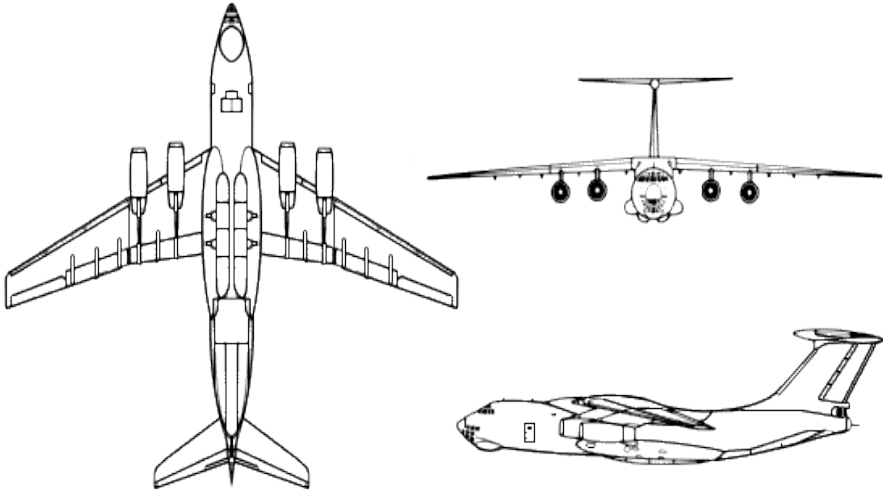
Wings. High-mounted and equally tapered from the engines to the blunt tips.

Engine(s). Two turboprops mounted in pods beneath the wings. Pods extend beyond the wings' leading and trailing edges.

Fuselage. Long, slender, upswept rear section. Solid, rounded nose. Stepped cockpit.

Tail. Fin is back-tapered with a blunt tip and angular fairing. Flats are high-mounted on the body, back-tapered with blunt tips, and have a positive slant.

IL-76 CANDID



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. C-141B Starlifter, C-5 Galaxy, C-17A Globemaster III.

Crew. Seven.

Role. Heavy-transport, cargo (tanks, guns, and other equipment).

Armament. Rear gun turret on military model.

Dimensions. Length: 152 ft, 10 in (46.6 m). Span: 165 ft, 8 in (50.6 m).

WEFT DESCRIPTION

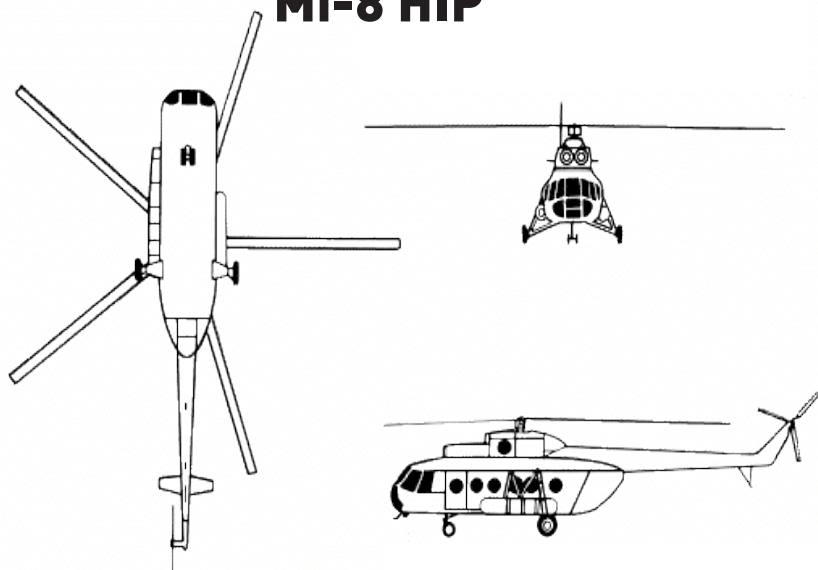
Wings. High-mounted, swept-back, and tapered with blunt tips. Slight negative slant.

Engine(s). Four turbofans mounted on pylons under and extending beyond wings' leading edges.

Fuselage. Long, round, and tapering to the rear. Rounded nose with radome on the chin. Bottom portion of nose glassed-in. Flush cockpit.

Tail. Flats swept-back, tapered, and high-mounted on a swept-back, tapered tail fin forming a "T".

Mi-8 HIP



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. Mi-17 Hip H, Puma, Mi-2 Hoplite, Super Frelon.

Crew. Two (three with flight engineer).

Role. Armed assault-transport (24 equipped troops, light weapons, and vehicles).

Armament. Rockets, antitank missiles, machine gun, bombs.

Dimensions. Length: 61 ft (18.32 m). Rotor diameter: 70 ft (21.3 m).

WEFT DESCRIPTION

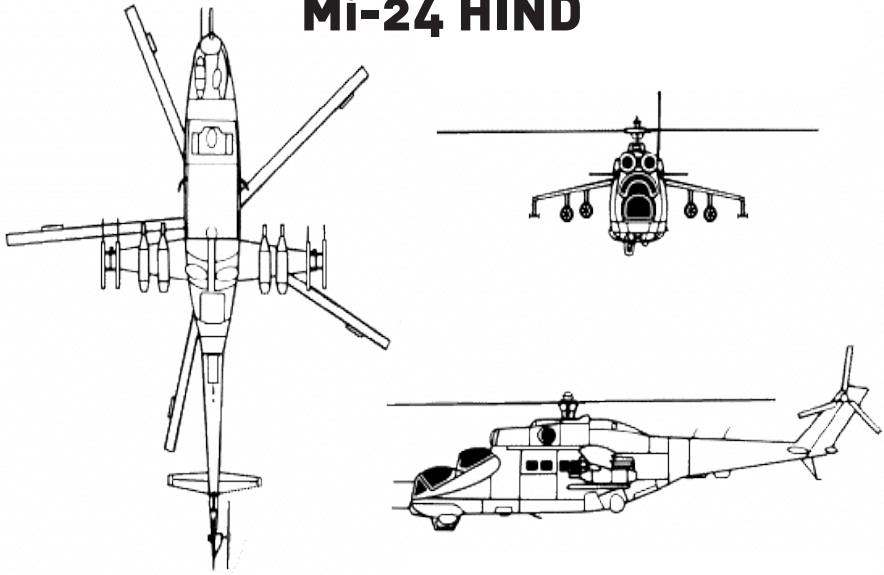
Wings. Large, five-blade main rotor over the engine at the body midsection. Weapon-carrying platform at lower body midsection.

Engine(s). Twin turboshafts mounted on top of the fuselage. Two round air intakes just above the cockpit. Rounded exhaust ports.

Fuselage. Long, bus-like body with rounded nose and glassed-in cockpit. Two fuel pods offset and mounted low on the body. Upswept rear section. Tricycle landing gear.

Tail. Tail boom tapers to the small, swept-back, and tapered fin with rotor on top right or left. Small flats mounted forward of the fin.

Mi-24 HIND



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. AH-1 Cobra, UH-60 Black Hawk, AH-64 Apache, Mangusta A129.

Crew. Two.

Role. Assault, gunship, antitank.

Armament. Missiles, guns, rockets.

Dimensions. Length: 55 ft (16.78 m). Rotor diameter: 55 ft, 6 in (17 m).

WEFT DESCRIPTION

Wings. Five-blade main rotor mounted on top of fuselage midsection. Short, stubby, weapon-carrying wings mounted at midsection.

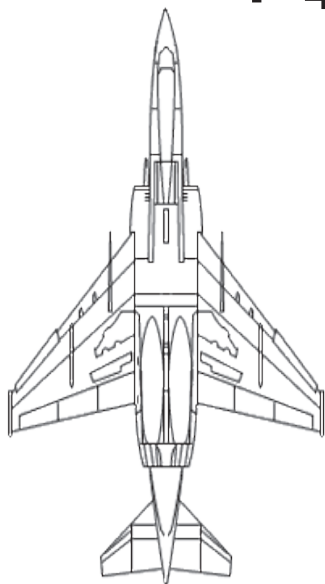
Engine(s). Two turboshafts mounted above body midsection. Two round air intakes located just above the cockpit. Exhaust ports on sides of engine(s).

Fuselage. Hind A: Large, oval-shaped body, glassed-in cockpit, and fuselage tapering at the rear to the tail boom. Hind D: Large, oval-shaped body, nose modification with tandem bubble canopies, and a chin-mounted turret.

Tail. Swept-back, tapered fin with rotor on right on some models. Tapered flats on boom just forward of the fin.



F-4 PHANTOM II



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. Jaguar, Buccaneer, A-4 Skyhawk, Super Etendard.

Crew. Two.

Role. Fighter-bomber, CAS, ECM, reconnaissance.

Armament. Cannon, rockets, missiles, bombs.

Dimensions. Length: 63 ft (18.7 m). Span: 38 ft, 5 in (11.77 m).

WEFT DESCRIPTION

Wings. Low-mounted, swept-back, and semi-delta with square tips. Positive slanted wing tips. There is a sawtooth in leading edges of the wings.

Engine(s). Two engines inside the body with rectangular air intakes alongside the body in front of the wings. Twin exhausts beneath a large overhanging rear section.

Fuselage. Rectangular midsection, pointed droopy nose, and a bubble cockpit.

Tail. Flats are mid-mounted on the body, delta-shaped with a negative slant. Sharply back-tapered fin with a square tip.

F-16 FIGHTING FALCON



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. F/A-18 Hornet, MiG-29 Fulcrum, Mirage F1.

Crew. One; F-16B--two.

Role. Multi-role ground-attack/fighter.

Armament. Cannon, missiles, bombs.

Dimensions. Length: 47 ft, 8 in (14.54 m). Span: 31 ft (9.46 m).

WEFT DESCRIPTION

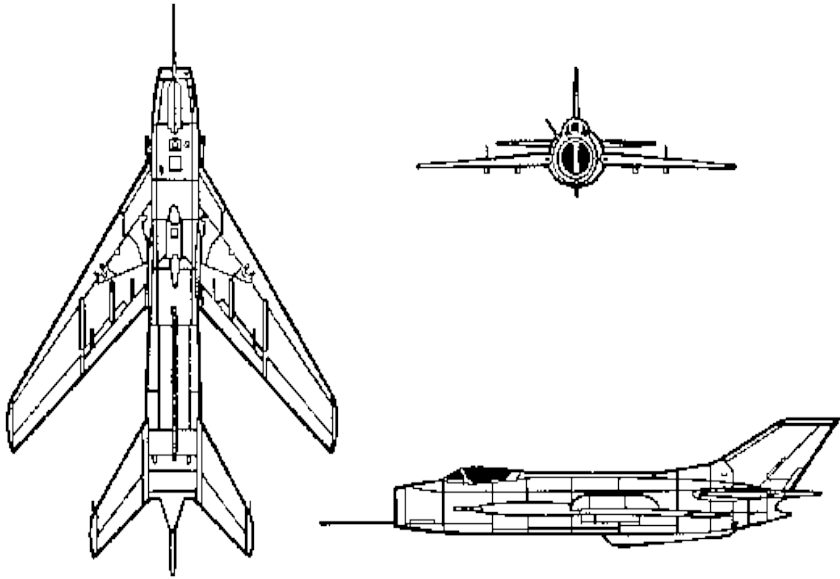
Wings. Mid-mounted, delta-shaped. Missiles are normally mounted at the wing tips.

Engine(s). One in body. Oval air intake under the center of the fuselage. Single exhaust.

Fuselage. Long, slender body, widens at air intake. Pointed nose. Bubble canopy.

Tail. Swept-back, tapered fin with square tip. Flats mid-mounted on the fuselage, delta-shaped with square tips, and a slight negative slant. Two belly fins.

J-6 FARMER



GENERAL DATA

Country of Origin. PRC.

Similar Aircraft. MiG-19 Farmer, MiG-17 Fresco.

Crew. One.

Role. Interceptor, capable of attacking ground targets.

Armament. Missiles, cannon, bombs.

Dimensions. Length: 42 ft, 11 in (13.1 m). Span: 29 ft, 6 in (9 m).

WEFT DESCRIPTION

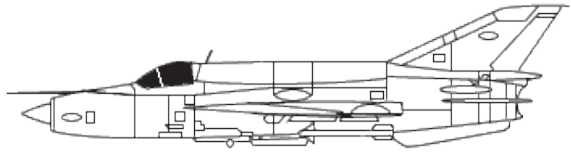
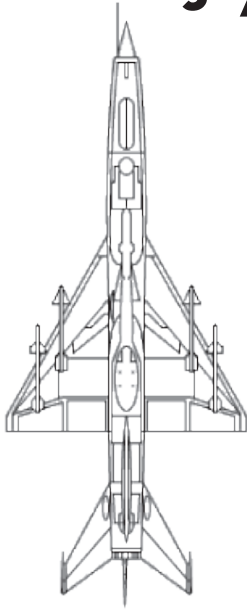
Wings. Mid-mounted, swept-back, and tapered with blunt tips. Wing fences. Wide wing roots.

Engine(s). Two turbojets mounted inside the body. Single, round air intake in the nose. Dual exhausts.

Fuselage. Long, tube-shaped, and tapers slightly to the blunt nose and widens to the exhausts. Bubble canopy well forward on the nose.

Tail. Fin sharply swept-back and tapered with blunt tips. Flats high-mounted on the fuselage and swept-back with blunt tips.

J-7, MiG 21 FISHBED



GENERAL DATA

Country of Origin. PRC.

Similar Aircraft. Fitters, all models, Mirage III/5, A-4 Skyhawk.

Crew. One.

Role. Ground-attack, interceptor, trainer.

Armament. Cannon, missiles, rockets, bombs.

Dimensions. Length: 51 ft, 8 in (15,78 m). Span: 23 ft, 5 in (7.16 m).

WEFT DESCRIPTION

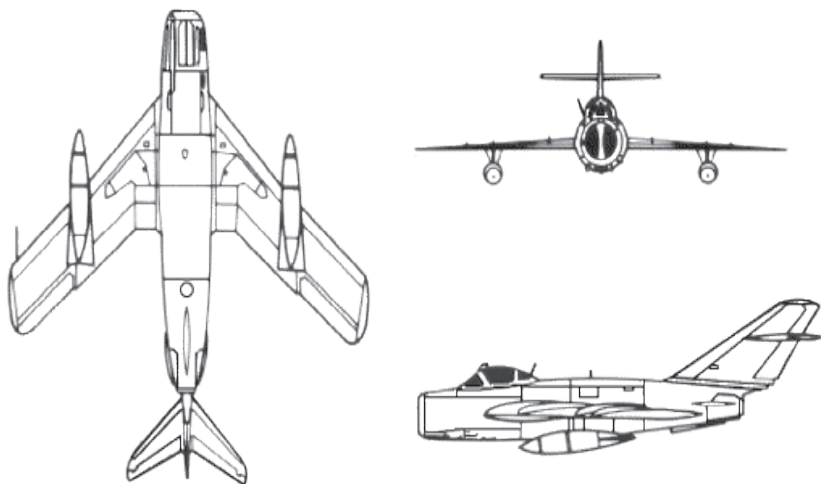
Wings. Mid-mounted delta wing with small square tips.

Engine(s). One turbojet inside the body. Small round air intake in the nose. Single exhaust.

Fuselage. Long, tubular body with a blunt nose and bubble canopy. One belly fin under the rear section. Large dorsal spine flush with the canopy.

Tail. Fin swept-back and tapered with a square tip. Flats are mid-mounted on the body, swept-back, and tapered with square tips.

MiG-17 FRESCO



GENERAL DATA

Country of Origin. CIS (formerly USSR).

Similar Aircraft. MiG-19 Farmer, G.91Y, Su-17 Fitter, MiG-21 Fishbed.

Crew. One.

Role. Fighter-bomber.

Armament. Three 23-mm cannons, bombs, rockets.

Dimensions. Length: 36 ft, 5 in (11.1 m). Span: 31 ft, 7 in (9.64 m).

WEFT DESCRIPTION

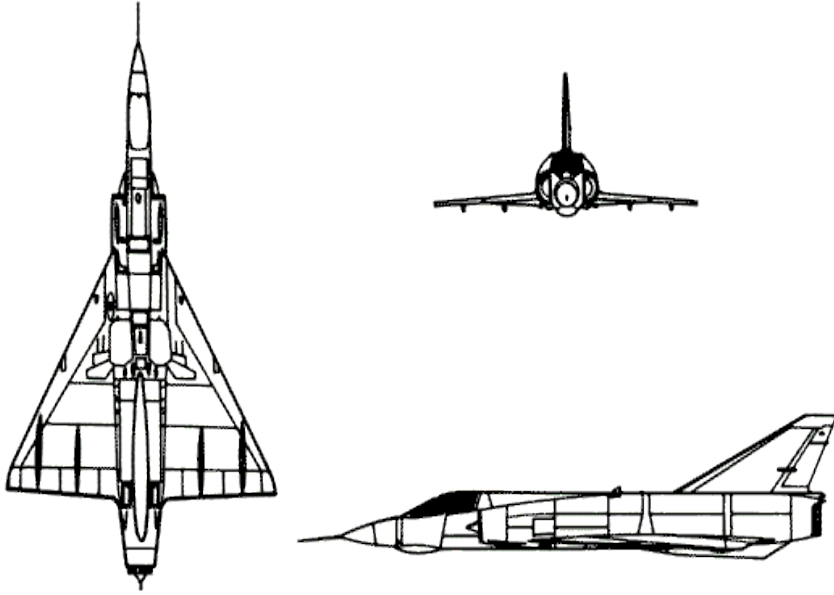
Wings. Mid-mounted, swept-back, and tapered with blunt tips. Wide wing roots.

Engine(s). One turbojet inside the body, round air intake in the nose. Single, small exhaust.

Fuselage. Short, thick, cigar-shaped, tapered to the rear. Blunt nose and bubble canopy.

Tail. Fin is swept-back and tapered with rounded tip. Flats are high-mounted on the tail fin, swept-back, and tapered. Flats and fin overhang the exhaust.

MIRAGE 2000



GENERAL DATA

Country of Origin. France.

Similar Aircraft. Mirage III/5, Kfir, Viggen.

Crew. One; Mirage 2000N—two.

Role. Interceptor.

Armament. Missiles, cannon.

Dimensions. Length: 50 ft, 3 in (15.3 m). Span: 29 ft, 5 in (9 m).

WEFT DESCRIPTION

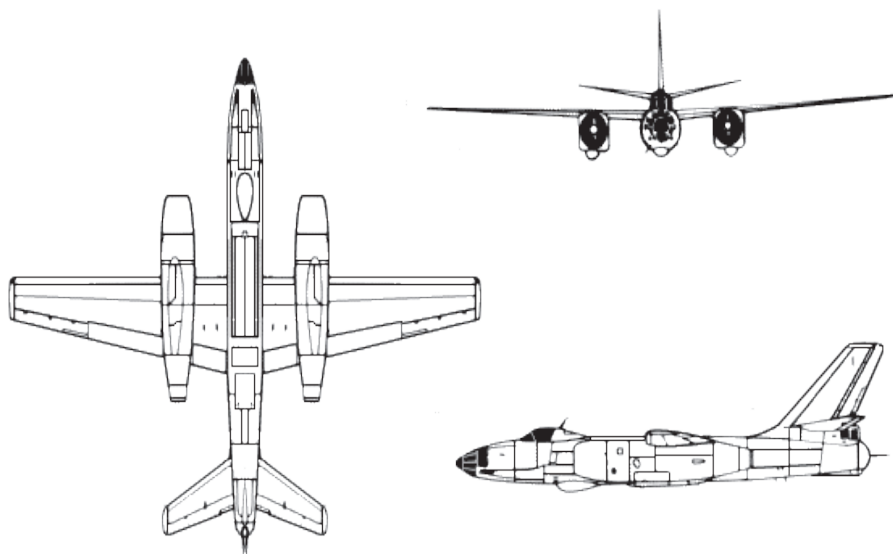
Wings. Low-mounted delta with clipped tips.

Engine(s). One turbofan mounted in the fuselage. Semicircular air intakes alongside the fuselage forward of the wings. Large, single exhaust protrudes past the tail.

Fuselage. Tube-shaped with pointed nose and a bubble canopy.

Tail. No tail flats. Fin is swept-back and tapered with a clipped tip.

IL-28 BEAGLE



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. Canberra, Yak-28 Brewer.

Crew. Three.

Role. Light bomber, trainer.

Armament. Bombs, two 23-mm cannons in tail.

Dimensions. Length: 57 ft, 11 in (17.6 m). Span: 70 ft, 5 in (21.5 m).

WEFT DESCRIPTION

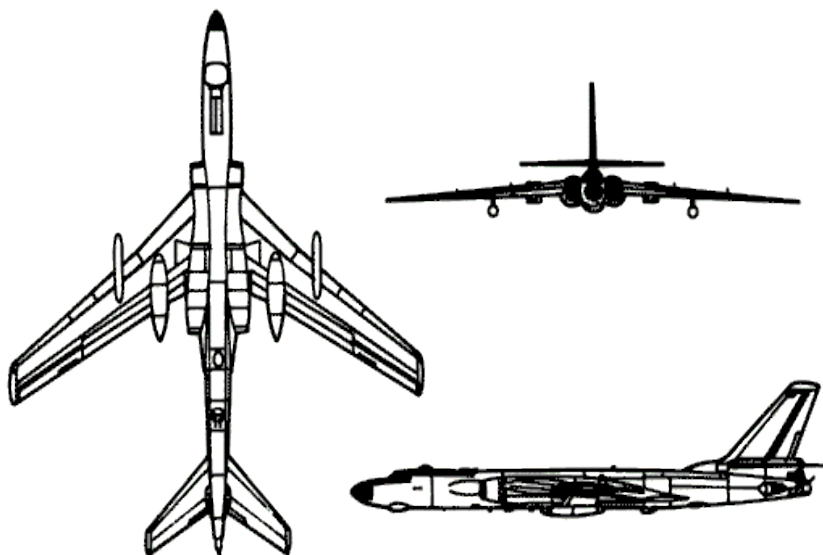
Wings. High-mounted with straight leading edge and forward-tapered trailing edge with blunt tips.

Engine(s). Two turbojets mounted beneath the wings in pods. Pods extend beyond wings— leading and trailing edges.

Fuselage. Tubular and cigar-shaped tapering to the rear. Rounded, glassed-in nose. Bubble canopy.

Tail. Fin is swept-back and tapered with a blunt tip. Flats are low-mounted on the fin, swept-back, and tapered with blunt tips. A glassed-in tail gunner compartment is to the rear of the tail.

Tu-16 BADGER



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. None in this manual.

Crew. Six.

Role. Strategic bomber, ELINT, ECM.

Armament. Bombs, missiles, cannon.

Dimensions. Length: 114 ft (34.8 m). Span: 108 ft (32.9 m).

WEFT DESCRIPTION

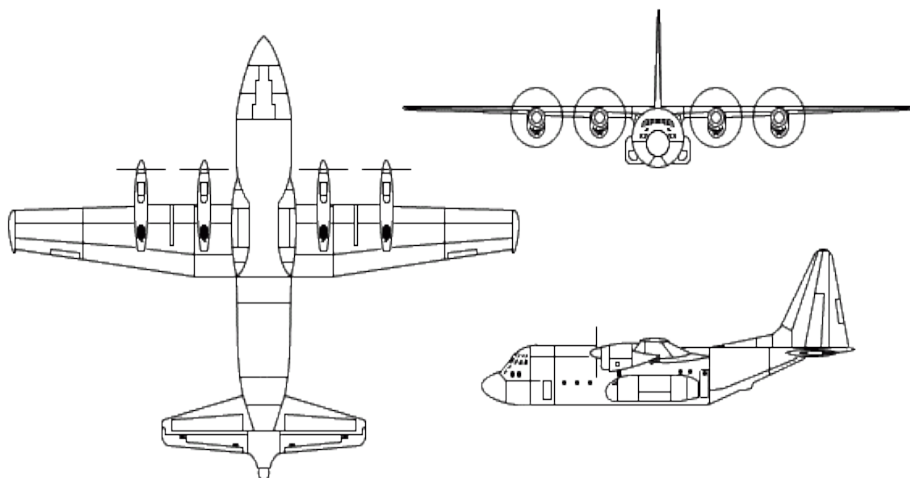
Wings. Mid-mounted, swept-back, and tapered with blunt tips. Fences on top of wings. Landing gear pods extend beyond wings' trailing edges.

Engine(s). Two turbojets mounted in wing roots extend beyond the leading and trailing edges of the wing root. Round air intakes.

Fuselage. Long, slender, and bulging where the engines are mounted and tapered to the tail. Round, glassed-in nose. Stepped cockpit.

Tail. Swept-back, tapered fin and flats with blunt tips. Flats low-mounted on the fin. Tail gunner compartment.

C-130 HERCULES



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. An-12 Cub, C-160 Transall, G.222.

Crew. Four.

Role. Transport, airdrop, low-level extraction, air refueling, reconnaissance, gunship.

Armament. Usually none, except AC-130G gunship.

Dimensions. Length: 97 ft, 9 in (29.78 m). Span: 132 ft, 7 in (40.41 m).

WEFT DESCRIPTION

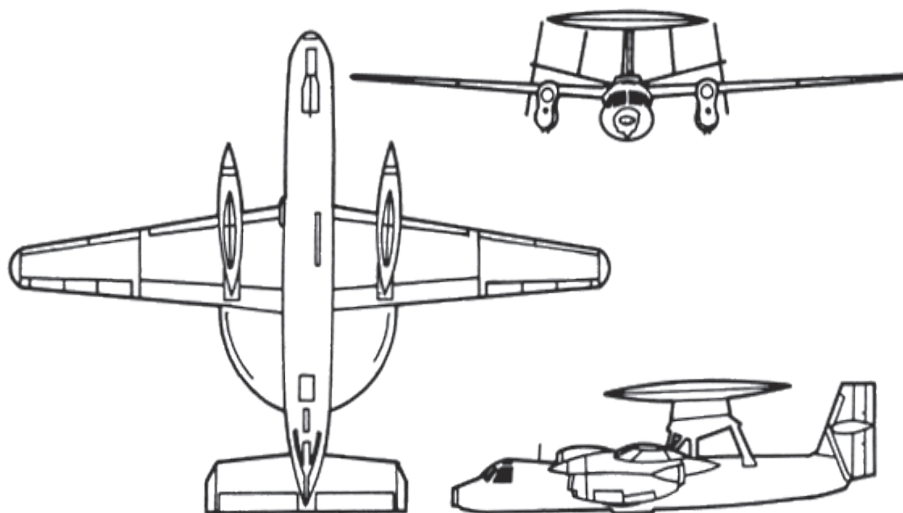
Wings. High-mounted with straight leading edges, forward tapered trailing edges, and blunt tips.

Engine(s). Four turboprops mounted under and extending beyond wings' leading edges.

Fuselage. Wide and circular with solid, blunt nose. Stepped cockpit. Upswept rear section.

Tail. Flats equally tapered and high-mounted on the body. Tall tail fin tapered with a blunt tip.

E-2C HAWKEYE



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. G.222, C-160 Transall.

Crew. Five.

Role. AEW.

Armament. None.

Dimensions. Length: 57 ft, 6 in (17.53 m). Span: 80 ft, 6 in (24.6 m).

WEFT DESCRIPTION

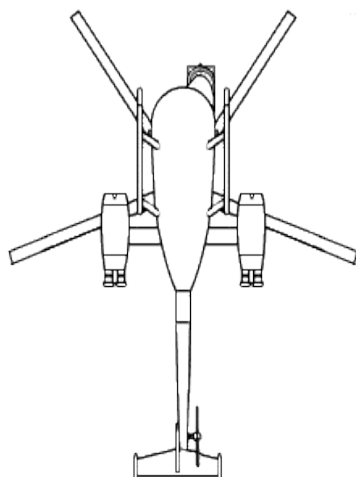
Wings. High-mounted and equally tapered with blunt tips.

Engine(s). Two turboprops mounted under the wings. Engines extend well beyond the wings' leading edges.

Fuselage. Oval that tapers to the rear. Rounded nose. Stepped-up cockpit. Large radome.

Tail. Four fins (two fins are mounted on the tips of the flats and extend below the flats; the two inside fins are mounted on top of the flats). Flats are high-mounted on the fuselage and have a positive slant.

MD-500 DEFENDER



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. OH-6 Cayuse, BO 105, Alouette II.

Crew. One.

Role. ASW, scout, antitank, multimission.

Armament. Chain gun, missiles, TOW-capable.

Dimensions. Length: 23 ft (7.02 m). Rotor diameter: 26 ft, 4 in (8.04 m).

WEFT DESCRIPTION

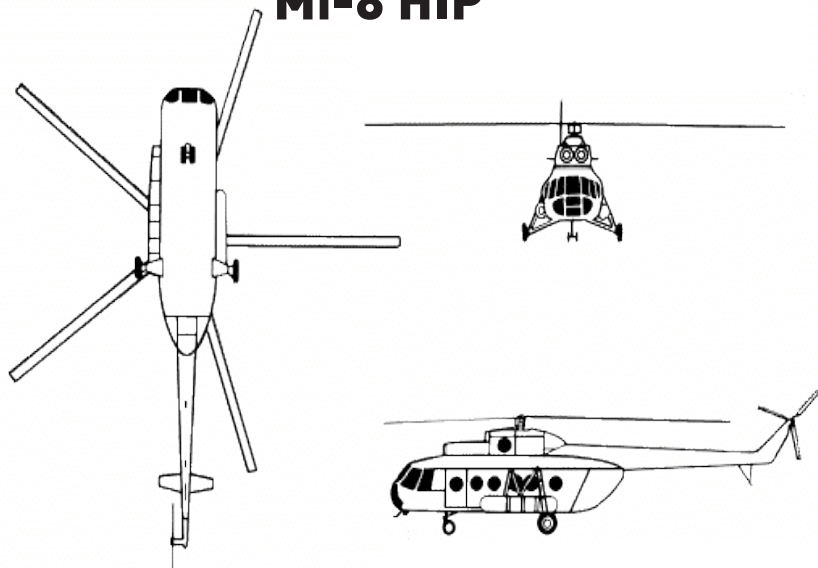
Wings. Either four- or five-blade main rotor (depending on model). Weapons platform on lower rear body.

Engine(s). One mounted inside body. Air intakes on top of cabin. Blackhole exhaust.

Fuselage. Teardrop-shaped. Round, glassed-in cockpit. Landing skids.

Tail. Fin boomerang-shaped, swept-back, and tapered. Flats back-tapered with small fins attached to the tips. Flats high-mounted on the fin forming a "T". Rotor on lower left of tail boom.

Mi-8 HIP



GENERAL DATA

Country of Origin. USSR.

Similar Aircraft. Mi-17 Hip H, Puma, Mi-2 Hoplite, Super Frelon.

Crew. Two (three with flight engineer).

Role. Armed assault-transport (24 equipped troops, light weapons, and vehicles).

Armament. Rockets, antitank missiles, machine gun, bombs.

Dimensions. Length: 61 ft (18.32 m). Rotor diameter: 70 ft (21.3 m).

WEFT DESCRIPTION

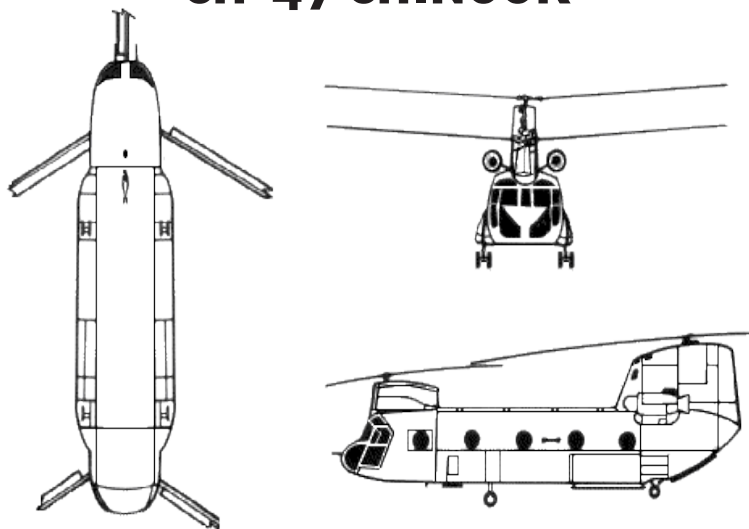
Wings. Large, five-blade main rotor over the engine at the body midsection. Weapon-carrying platform at lower body midsection.

Engine(s). Twin turboshafts mounted on top of the fuselage. Two round air intakes just above the cockpit. Rounded exhaust ports.

Fuselage. Long, bus-like body with rounded nose and glassed-in cockpit. Two fuel pods offset and mounted low on the body. Upswept rear section. Tricycle landing gear.

Tail. Tail boom tapers to the small, swept-back, and tapered fin with rotor on top right or left. Small flats mounted forward of the fin.

CH-47 CHINOOK



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. CH-46 Sea Knight.

Crew. Two on flight deck.

Role. Transport, cargo (44 equipped troops), recovery.

Armament. Usually none.

Dimensions. Length: 51 ft (15.56 m). Rotor diameter: 60 ft (18.3 m).

WEFT DESCRIPTION

Wings. Two three-blade main rotors, one above the nose and one above the tail section.

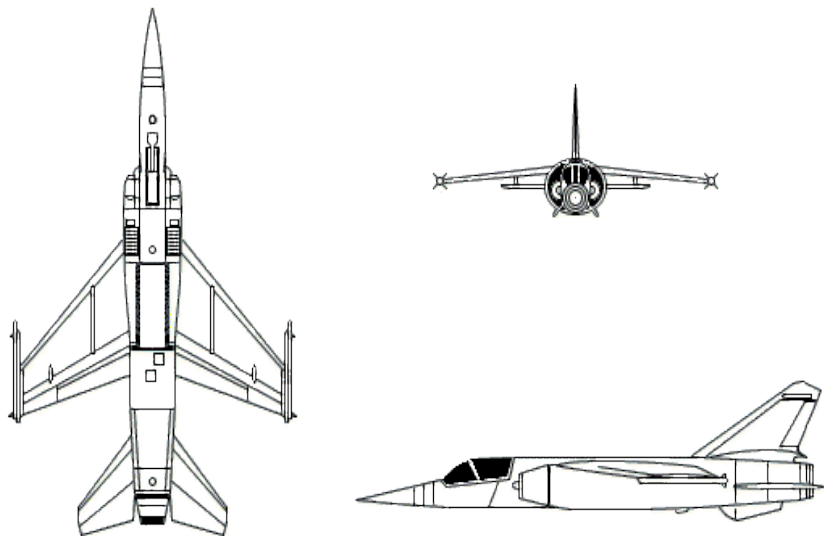
Engine(s). Two turboshafts in pods, one on each side of thick tail fin.

Fuselage. Thick, box-like body with bulges along the sides of the midsection. Tapered front and rear. Glassed-in, stepped cockpit above a short, rounded nose. Fixed landing gear.

Tail. High, thick tail fin.



MIRAGE F1



GENERAL DATA

Country of Origin. France.

Similar Aircraft. Super Etendard, Mitsubishi F-1, AV-8B Harrier II, Fantan A.

Crew. One; trainer--two.

Role. Attack, fighter, reconnaissance.

Armament. Two 30-mm cannons, missiles, bombs.

Dimensions. Length: 49 ft (14.94 m). Span: 27 ft, 7 in (8.4 m).

WEFT DESCRIPTION

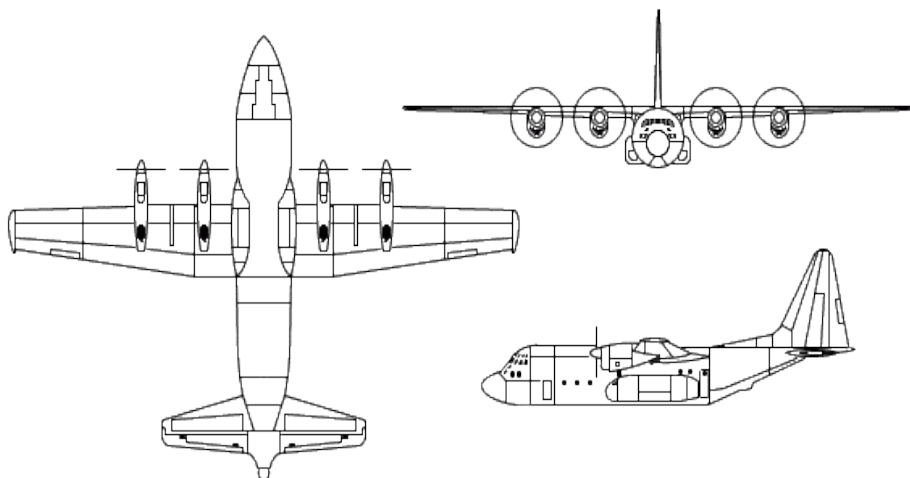
Wings. High-mounted, swept-back, and tapered. Missiles are usually mounted at the wing tips.

Engine(s). One turbojet in the body. Semicircular air intakes alongside the body forward of the wing roots. Single exhaust.

Fuselage. Long, slender, pointed nose and a blunt tail. Two small belly fins under the tail section. Bubble canopy.

Tail. Swept-back and tapered fin with a blunt tip. Flats are mid-mounted on the fuselage, swept-back, and tapered with blunt tips.

C-130 HERCULES



GENERAL DATA

Country of Origin. USA.

Similar Aircraft. An-12 Cub, C-160 Transall, G.222.

Crew. Four.

Role. Transport, airdrop, low-level extraction, air refueling, reconnaissance, gunship.

Armament. Usually none, except AC-130G gunship.

Dimensions. Length: 97 ft, 9 in (29.78 m). Span: 132 ft, 7 in (40.41 m).

WEFT DESCRIPTION

Wings. High-mounted with straight leading edges, forward tapered trailing edges, and blunt tips.

Engine(s). Four turboprops mounted under and extending beyond wings' leading edges.

Fuselage. Wide and circular with solid, blunt nose. Stepped cockpit. Upswept rear section.

Tail. Flats equally tapered and high-mounted on the body. Tall tail fin tapered with a blunt tip.