

Kaman K-1200 (K-Max)

AIRCRAFT DESCRIPTION

Model number:	K-1200
Manufacturer:	Kaman Aerospace Corporation
Serial Number:	A94-0016
FAA Registration No.	N161KA
Engine Model:	Honeywell T53 17A-1

K-1200 STANDARD CONFIGURATION

AIRFRAME

Semi-monocoque aluminum alloy fuselage
Semi-monocoque aluminum alloy tailboom and vertical fin with rudder
Elevator with integral vertical fin
Plexiglas windshield and side panel windows
Plexiglas, full view, bubble side windows with integral ventilation panel
Swing out, removable crew doors
Fixed step for entry to cockpit, right side
Retractable work platforms, left and right
Sliding access cowling, engine compartment
Tool/storage compartment (26 cubic feet, 500 lb capacity)
Nose compartment with upward-opening access door
Fixed shock absorbing landing gear with three wheel and tire assemblies
(2) main wheels with independent brakes
(1) 360 degree swiveling, self-centering, locking nose wheel
Parking brake
Bear paw, soft terrain wheel skids (3)
Tail bumper
Cargo hook (6000 lb capacity)
Load signal conditioner

INTERIOR

High-energy-absorbing pilot's seat with five-point safety harness and lumbar support
Collapsible cyclic
Collective stick with integral engine throttle (includes manual cargo hook release handle)
Adjustable rudder pedals with individual toe brakes
Bleed air heater and defroster
Map and data case
Fire extinguisher (cockpit)

POWER PLANT

Honeywell T5317A-1 turbine engine (1,500 SHP)
Magnetic, fuzx burning chip detectors (2)
Fuel system (228.5 U.S. gallons usable fuel)
Bladder-type fuel cell
Fuel boost pumps, cartridge type, externally accessible (2)
Fuel filter assembly (10 micron) with replaceable element
Gravity/pressure refueling port (closed circuit refueling receiver)
Oil tank (3.21 U.S. gallons)
Fire detection system
Fuel/oil firewall shutoff valves, electrical
Power turbine RPM control actuator
Overriding clutch
Inlet Particle separator

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ROTORS AND CONTROLS

Semi-articulated, composite, counter-rotating rotors (2) with servo flap system (4 rotor blades)
Rotor RPM warning system, audio/visual
In flight tracking actuators (2)
Electric cyclic trim with trim release feature
Azimuth Installation

TRANSMISSION SYSTEM

Transmission assembly with free wheeling clutch
Power take off pad for optional accessory (50 shp)
Magnetic, fuzx burning chip detector (3)
KAflex drive shaft coupling
Rotor brake
Oil tank (3.21 U.S. gallons)
Oil pump
Oil cooler/blower (engine/transmission)
Kawak Aux Hydraulic System (Hyd accessory Sys)

FLIGHT AND ENGINE INSTRUMENTS

Outside air temperature indicator:
Altimeter (barometric):
Clock (electronic):
Magnetic compass:
External load indicator/monitor:
Airspeed indicator:
Vertical speed indicator IVSI:
Turn and slip indicator:
Engine and rotor tachometer (dual):
Engine torque meter/monitor:
Engine gas generator (NI) indicator
(Autotak Indicator/Monitor):
Exhaust gas temperature indicator (Autotemp Indicator/Monitor):
Engine oil pressure/temperature indicator:
Transmission oil pressure/temperature indicator:
Fuel quantity indicator:
Fuel pressure indicator:
Volt/ammeter:
Hobbs meter (hour):
Caution and advisory panel:
Master warning panel
External Instrument Package (MASTER CAUTION, FIRE, ROTOR RPM):

COMMUNICATIONS AND NAVIGATION

GPS KLN 90B
VHF COM/NAV:
VHF antenna
TDFM 136 FM COM (digital P-25)
TFM 138 FM COM
FM Antenna
USFS AUX FM system
FM aux antenna
AFF, System (Sky Trac ISAT-100 Mod A)
406 MHz ELT
Attitude Indicator:
Overhead Space/weight provisions for optional avionics
Horizontal Situation Indicator

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ELECTRICAL

Starter/generator (28 volt DC, 300 ampere):
Lead acid battery (28 volt DC, 43 ampere-hour):
Generator control:
Relay boxes (3)
Circuit breaker console -right side pilot compartment
Integral instrument lighting
Instrument panel flood lighting
Pilot controllable, retractable, and swiveling landing/search light:
Anti-collision lights (2):
Navigation lights
Cockpit utility lights (2)
External power receptacle
Ignition starting system
Cargo compartment and fuselage utility light
Provisions for wiring accessory systems to cargo hook