



**K-MAX**<sup>®</sup>  
**UNMATCHED  
PERFORMANCE**

**KAMAN**  
Aerospace

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# K-MAX<sup>®</sup>

## PURPOSE-BUILT DESIGN

### MORE PERFORMANCE

**6,000 LB**

EXTERNAL LOAD CAPACITY  
MAX HOT & HIGH CAPABILITY

### UNMATCHED DEPENDABILITY

**UNLIMITED**

AIRFRAME STRUCTURE LIFE

### RELIABLE POWER

**T5317A-1**

**TURBINE ENGINE**  
A PROVEN POWERPLANT

**THE JOB IS TOUGH.  
THE OPERATING ENVIRONMENT  
IS UNRELENTING. YOU NEED  
PERFORMANCE, VERSATILITY,  
AND DEPENDABILITY.  
THIS IS K-MAX,  
THE AERIAL TRUCK.**



**EFFICIENT & EFFECTIVE**



PERFORMS ITS HEAVY-LIFT MISSION FAR MORE EFFICIENTLY & EFFECTIVELY THAN OTHER HELICOPTERS WITH THE BEST VALUE LIFT-TO-FUEL RATIO

**K-MAX**

6,000 lb  
85 gph

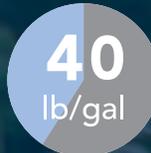


**AS332**

10,471 lb  
160 gph

**S70i**

9,000 lb  
160 gph



**B412 HP**

4,500 lb  
110 gph

**H60**

9,000 lb  
160 gph



**AW139**

4,800 lb  
129 gph

# UNMATCHED PRECISION

The K-MAX was specifically designed, built, tested and certified for repetitive external lifting. Precision placement of critical structures and equipment can be consistently performed, exponentially increasing efficiency of infrastructure and emergency response operations in inaccessible areas.

## INCREASED SAFETY

### **LOW** NOISE

82DB ULTRA QUIET OPERATION  
IMPROVES SAFETY & REDUCES DISTURBANCE

### **LOW** ROTOR WASH

LOWEST ROTOR DOWN WASH OF ANY  
MEDIUM-HEAVY LIFT HELICOPTER

## STRONG & PRECISE

### HEAVY-DUTY TROLLEY SYSTEM

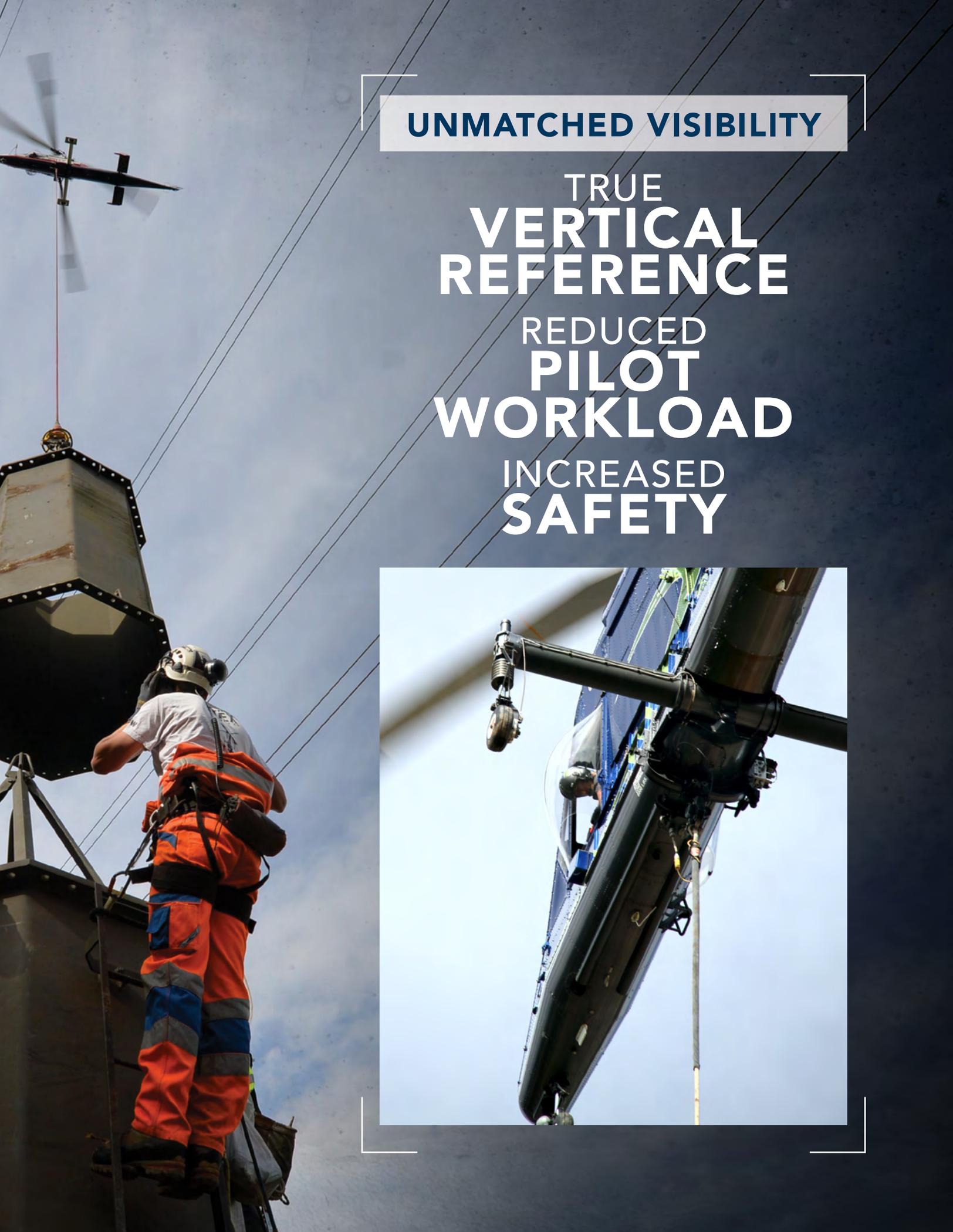
ENHANCES STABILITY & LOAD PLACEMENT

## EYES ON THE LOAD

### NARROW FUSELAGE

FOR OPTIMAL VISIBILITY





**UNMATCHED VISIBILITY**

TRUE  
**VERTICAL  
REFERENCE**

REDUCED  
**PILOT  
WORKLOAD**

INCREASED  
**SAFETY**



# UNMATCHED VERSATILITY

Quick to launch and cost-effective to fly, the K-MAX is a reliable responder in any situation. Working as a powerful firefighter, the K-MAX can continuously drop water or retardant to save lives and property. For disaster relief, it can repeatedly lift, transport, and deliver supplies to assist in rebuilding efforts.

## MULTI-TASKER

### MAX FLEXIBILITY

K-MAX IS A PROVEN WORKHORSE THAT PERFORMS IN ALL ENVIRONMENTS

## PROVEN RELIABILITY

K-MAX PERFORMS WITH

**99%** AVAILABILITY

OVER 372,000 FLIGHT HOURS

## RAPID MOBILIZATION

### NO INFRASTRUCTURE

AND MINIMAL SUPPORT REQUIREMENTS  
EQUATE TO **RAPID MOBILIZATION**



# **MULTI-MISSION**

WHEN THE JOB IS HOT, HIGH, DIRTY, OR DANGEROUS, THE K-MAX IS READY.

**FIRE FIGHTING**

**POWERLINE  
CONSTRUCTION**

**HUMANITARIAN RELIEF**

**EMERGENCY RESPONSE**

**HYDRO-SEEDING**



# UNMATCHED EFFICIENCY

With K-MAX, you'll accomplish more with less. Bottom line—K-MAX is proven and delivers a competitive advantage to your external lift operations with unmatched dependability and overall affordability in all environments.

## KEEP IT SIMPLE

### **NO** TAIL ROTOR

ELIMINATES COSTLY GEARBOXES, DRIVE SHAFTS & ASSOCIATED MAINTENANCE

### **NO** HYDRAULICS

SERVO-FLAP CONTROL SYSTEM

## LESS FUEL CONSUMPTION

# 85 GPH

THE MOST EFFICIENT LIFT-TO-FUEL RATIO OF ANY HELICOPTER IN ITS CLASS

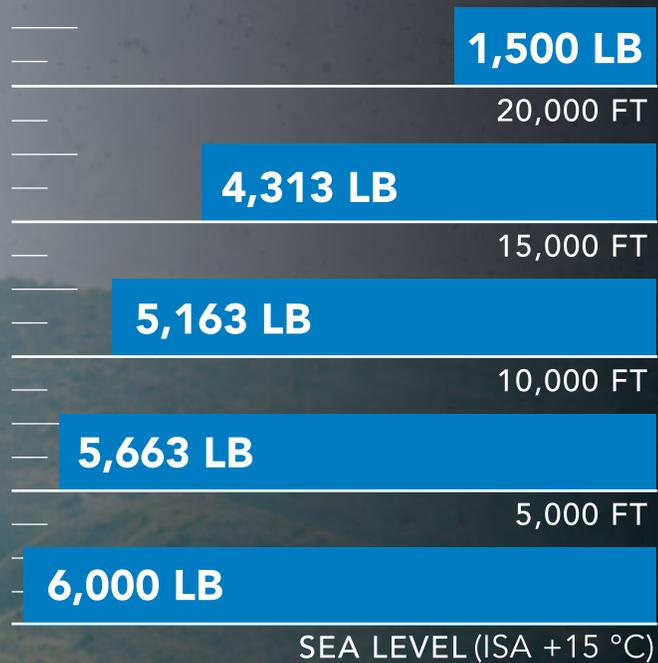
## LOW MAINTENANCE

# LESS THAN 2:1

REQUIRES LESS THAN TWO MAINTENANCE MAN-HOURS PER FLIGHT HOUR

## HIGH/HOT PERFORMANCE

K-MAX DELIVERS UNRIVALED PAYLOAD CAPACITY AT ALTITUDES OTHER HELICOPTERS CAN'T MATCH.



## SMALL FOOTPRINT

**ONE** PILOT

**ONE** MECHANIC

**MINIMAL** SUPPORT

KEEP YOUR OPERATION NIMBLE  
WITH LESS GROUND SUPPORT, LESS  
EQUIPMENT AND LOWER OVERHEAD.

# UNMATCHED AVAILABILITY

K-MAX is a proven platform for both manned and unmanned operations. Kaman's NEXGEN UAS will support a range of commercial applications. From logistics to firefighting to disaster relief, these critical missions can be flown around the clock in the harshest of environments.

BEYOND LINE OF SIGHT  
(BLOS) CONTROL

LINE OF SIGHT (LOS)  
CONTROL FOR PRECISION  
OPERATIONS

200  
NAUTICAL MILE  
RANGE

PORTABLE  
GROUND CONTROL  
STATION (GCS)



GPS LOCATION

VIDEO DATA LINK

CAMERAS MAINTAIN  
SITUATIONAL AWARENESS

MULTI-DROP  
CAPABILITY

# NEXGEN UAS

WHATEVER THE MISSION, **K-MAX**<sup>®</sup> DELIVERS UNMATCHED PERFORMANCE.



## SPECIFICATIONS

### WEIGHTS AND MEASUREMENTS

Max gross weight	12,000 lb	5443 kg
Cargo hook capacity	6,000 lb	2722 kg

### LIFT PERFORMANCE: ISA +15 °C

Sea Level	6,000 lb	2722 kg
5,000 feet	5,663 lb	2569 kg
10,000 feet	5,163 lb	2342 kg
15,000 feet	4,313 lb	1956 kg

### HOVER PERFORMANCE: 4,000 FEET, 35 °C (95 °F)

Hover IGE	12,000 lb	5443 kg
Hover OGE	11,600 lb	5262 kg

### POWERPLANT

Model	Honeywell T5317A-1 gas turbine	
Thermodynamic rating	1,800 shaft horsepower	

### MAXIMUM AIRSPEED

Without external load	100 kt	185.2 kph
With external load	80 kt	148.2 kph

### FUEL SYSTEM

Total fuel capacity	228.5 gal	865.0 liters
Avg fuel consumption	85.0 gal/hr	322.0 l/hr
Endurance	3.0 hr	3.0 hr

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kaman.com/k-max