

KLM PHOENIX

HEAVY-LIFT AUTONOMOUS CARGO UAS

KLM DEFENSE · HEAVY-LIFT AUTONOMOUS CARGO

PHOENIX

HEAVY-LIFT CARGO UAS · TECHNICAL BROCHURE

The heavy-lift autonomous cargo platform — 5 to 200 kg of configurable payload, winch deployment without landing and an FHSS + AES encrypted link, on one airframe with one ground control app. One aircraft, many payload classes, a single operator.

200 KG
MAX PAYLOAD

45 KM
RADIO RANGE

70 MIN
MAX ENDURANCE

36,000 FT
SERVICE CEILING

HEAVY-LIFT CARGO · MISSION PROFILE

LIFT MORE.
GO FURTHER.

PHOENIX is KLM Defense's heavy-lift autonomous cargo UAS — one configurable airframe that scales from 5 kg field resupply to a 200 kg heavy-lift load. The KlmFly app plans the delivery, the winch deploys the payload without landing, and an FHSS + AES encrypted link keeps the operator in command.

200 KG

MAX PAYLOAD CAPACITY

45 KM

MAX RADIO RANGE

36,000 FT

SERVICE CEILING AMSL

65 KM/H

MAX SPEED

110 KM/H

MAX WIND RESILIENCE

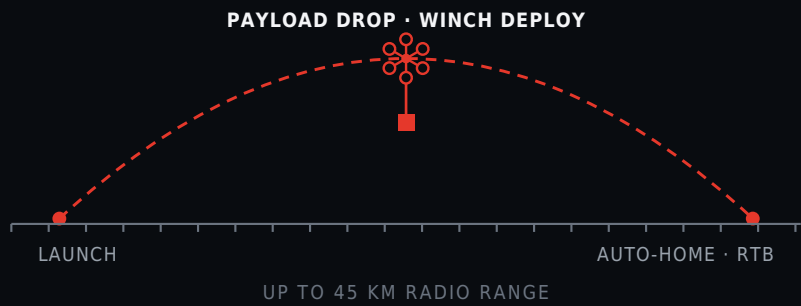
70 MIN

MAX ENDURANCE

70 KM/H

WIND RESILIENCE (FOR MAXIMUM ENDURANCE)

MISSION PROFILE



PHOENIX · FIELD DEPLOYMENT

● IN FLIGHT



PHOENIX · DESERT DEPLOYMENT

CORE CAPABILITIES

BUILT FOR EVERY PAYLOAD

01 CONFIGURABLE PAYLOAD BAY



From 5 kg field resupply loads to a full 200 kg heavy-lift configuration, PHOENIX's cargo bay and lift system scale to the mission — a single procurement line covering everything from rapid resupply to bulk logistics.

02 WINCH DEPLOYMENT & RECOVERY



A configurable winch lets PHOENIX deploy its payload remotely mid-flight without ever touching down, and a fail-safe parachute protects both aircraft and ground crew in the event of an in-flight anomaly.

03 ENCRYPTED DUAL / QUAD-BAND LINK



FHSS frequency-hopping with AES channel encryption protects the command and video link across up to four independent frequency bands — so the mission map, live feed and telemetry can't be intercepted or spoofed mid-flight.

04 ALL-WEATHER · ALL-TERRAIN



IP55 rain-capable weatherproofing and a -55°C to $+65^{\circ}\text{C}$ operational range, with up to 110 km/h wind resilience (70 km/h at maximum endurance), plus Auto-Home failsafe on link loss, over-range or low battery — genuine flexibility across seasons and theatres.

OPERATING ALTITUDE IN CONTEXT

PHOENIX — SERVICE CEILING



36,000 FT

PHOENIX — MAX LAUNCH ALTITUDE

MT. EVEREST SUMMIT

29,400 FT

29,032 FT

TYPICAL TACTICAL QUADCOPTER

15,000 FT

SEA LEVEL

0 FT

MISSION SYSTEMS

PLAN ONCE. FLY HANDS-OFF.

PHOENIX pairs a configurable heavy-lift airframe with a hardened autonomy stack, so the payload changes to match the mission — not the airframe, not the operator's training, not the ground control app.

01 AUTONOMOUS MISSION CONTROL



The KlmFly app plans a full waypoint delivery mission and launches it with one confirmed command. Autonomous navigation carries it through — the operator stays on the drop zone while the aircraft handles the flying.

MISSION LAUNCH

ONE CONFIRMED COMMAND

02 EXTENDED ENDURANCE



A high-density power module buys PHOENIX up to 70 minutes unloaded, and no less than 40 minutes at full 200 kg payload — holding station or covering distance long after lighter cargo platforms have to return and recharge.

MAX ENDURANCE

UP TO 70 MIN

03 ELECTRONIC COUNTER MEASURES



An active ECM suite defends against GPS and radio jamming, working in tandem with a frequency-hopping command & control link. When the spectrum gets hostile, PHOENIX keeps flying, keeps transmitting, and keeps its operator in command.

ECM SUITE

UP TO LEVEL 3 ACTIVE

04 RADAR OBSTACLE AVOIDANCE



An optional omni-directional radar array detects obstacles in every direction and compensates for changing terrain in real time — holding a safe clearance over ridgelines, structures and tree lines without operator intervention.

OBSTACLE AVOIDANCE

OMNI-DIRECTIONAL · OPTIONAL

05 HOT-SWAPPABLE BATTERIES



Dual or quad hot-swappable battery packs, depending on configuration, let ground crews cycle fresh power into PHOENIX between sorties in seconds rather than waiting out a full charge cycle — keeping the airframe on mission instead of on the charger.

BATTERY SYSTEM

DUAL / QUAD HOT-SWAP

06 DUAL RTK GNSS



An optional dual-antenna RTK GNSS system derives heading from carrier-phase positioning instead of a magnetometer — eliminating compass drift near metal structures and vehicles, and adding anti-jamming and anti-spoofing resilience over single-antenna GNSS.

HEADING

DUAL-ANTENNA RTK · OPTIONAL

TECHNICAL SPECIFICATIONS

FLIGHT PERFORMANCE

SPECIFICATION	VALUE
Max Flight Endurance *1	40-70 minutes
Max Radio Range *2	45 km
Max Launch Altitude (AMSL)	29,400 ft
Service Ceiling (AMSL)	36,000 ft
Max Speed	65 km/h
Max Wind Resilience	110 km/h
Wind Resilience (For Maximum Endurance)	70 km/h
Payload Capacity Range	5-200 kg
ECM Suite	Up to Level 3 Active ECM
Cockpit Video Link	1080p Full HD
Failsafe (Over Range / Link Loss / Low Battery)	Auto-Home
Transmission	FHSS + AES · Dual / Quad-Band
GNSS Constellations	GPS · GLONASS · Galileo · QZSS

PAYLOAD CLASS LADDER

LOG SCALE · 5.5 – 200 KG



*1 Endurance varies by payload configuration, negligible wind, standard conditions. *2 Clear line of sight, unobstructed terrain.

PHOENIX

IN FLIGHT



PHOENIX · PAYLOAD BAY · CLOSE VIEW

THE PHOENIX PLATFORM

ONE SERIES. 13 PAYLOAD CLASSES.

CONFIGURATION	MAX PAYLOAD	MAX TAKE-OFF WT	ENDURANCE NO PAYLOAD	ENDURANCE MAX PAYLOAD	RADIO RANGE	ECM SUITE	GROUND CONTROLLER	STARTING AT
PHOENIX H524 ENTRY CONFIGURATION	5.5 kg	15 kg	40-45 min	30-34 min	15 km	Level 1	KAT 9 Pro	₹6.99 Lacs
PHOENIX H726 STANDARD CONFIGURATION	10 kg	21.5 kg	40-45 min	30-34 min	15 km	Level 2	KAT 9 Pro	₹9.99 Lacs
PHOENIX H1026 HEAVY CONFIGURATION	15 kg	29.5 kg	40-45 min	30-34 min	15 km	Level 2	KAT 9 Pro	₹12.99 Lacs
PHOENIX H1326 ADVANCED CONFIGURATION	20 kg	35 kg	40-45 min	30-34 min	20 km	Level 2	KAT 9 Pro	₹14.99 Lacs
PHOENIX H1626 EXTENDED-RANGE CONFIGURATION	25 kg	40 kg	44-50 min	34-38 min	30 km	Level 3	KAT 9 Pro	₹17.99 Lacs
PHOENIX · 30 KG PAYLOAD CLASS	30 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 11 Pro	
PHOENIX · 40 KG PAYLOAD CLASS	40 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 11 Pro	
PHOENIX · 50 KG PAYLOAD CLASS	50 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 11 Pro	
PHOENIX · 75 KG PAYLOAD CLASS	75 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 11 Pro	
PHOENIX · 100 KG PAYLOAD CLASS	100 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 11 Pro	
PHOENIX · 130 KG HEAVY-LIFT PRO	130 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 13 Pro	
PHOENIX · 160 KG HEAVY-LIFT PRO	160 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 13 Pro	
PHOENIX · 200 KG FLAGSHIP CONFIGURATION	200 kg	SPECIFICATIONS — DETAILS OUT SOON					KAT 13 Pro	

Payload capacity is the maximum cargo mass; endurance ranges vary with payload, wind and conditions. Pricing shown is the starting price per configuration.

COMMON TO H524 - H1626

MAX LAUNCH ALTITUDE 29,400 FT	SERVICE CEILING 36,000 FT	MAX SPEED 65 KM/H	BATTERY SYSTEM DUAL HOT-SWAP
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COMPATIBLE ATTACHMENTS

2×2 PAYLOAD LATCH & RELEASE MECHANISM	6×40 ADVANCED LAUNCH SYSTEM · AUTO-RECOIL RECOVERY	2×4 PAYLOAD LATCH & RELEASE MECHANISM
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PAYLOAD ARCHITECTURE · CHOOSE YOUR SENSOR

FOUR SENSORS. ONE AIRFRAME.

PHOENIX ships on a proprietary adaptive gimbal mount across the airframe. Select the payload that fits the mission — the same aircraft, the same app, a different set of eyes. Sniper30 is the base payload, included in the starting configuration.

SNIPER30

BASE PAYLOAD



DAY SENSOR

8 MP · 4K @ 30 FPS

ZOOM

30x hybrid

THERMAL

—

LASER RANGE FINDER

—

ONBOARD AI

Target ID & tracking

STABILISATION

3-axis + EIS

SPECTRA384

DAY + THERMAL



DAY SENSOR

5 MP · 2K @ 30 FPS

ZOOM

4x hybrid

THERMAL

384x288 · 30 Hz · 9 palettes

LASER RANGE FINDER

—

ONBOARD AI

—

STABILISATION

3-axis + EIS

UC65 PRO

COMBINATION SIGHT



DAY SENSOR

5 MP · 2K @ 30 FPS

ZOOM

30x hybrid

THERMAL

640x512 · 30 Hz · 9 palettes

LASER RANGE FINDER

1,000 m

ONBOARD AI

—

STABILISATION

3-axis gyro

VIGILON 100

FLAGSHIP SIGHT



DAY SENSOR

8 MP · 4K @ 30 FPS

ZOOM

Up to 100x hybrid

THERMAL

640x512 · SR 1280x1024

LASER RANGE FINDER

1,200 m

ONBOARD AI

4 TOPS compute

STABILISATION

3-axis + EIS

HYBRID ZOOM · PAYLOAD COMPARISON



SNIPER30 OPTICAL PAYLOAD · IN THE FIELD

ONE TARGET. 0x TO 30x.

SNIPER30 · EO DAY SIGHT

ZOOM ENVELOPE

0x · WIDE FOV

30x · HYBRID ZOOM

0x WIDE FOV (LEFT) · 30x HYBRID ZOOM (RIGHT) · SAME AERIAL VANTAGE

Both frames come from the same aerial vantage — nothing moved but the zoom. At 0x, the wide field of view sweeps the whole valley for area search; at 30x, the Sniper30 resolves the same vehicle to identification level from kilometres of stand-off. With Sniper30 on board, PHOENIX can find, fix and positively identify a target without closing the distance — keeping the aircraft, and its operator, unseen and unheard.

DAY SIGHT
30x HYBRID ZOOM

FEED MODE
1080P ENCRYPTED

AI LOCK
TARGET TRACKING

STABILISATION
3-AXIS + EIS

SPECTRA384 THERMAL PAYLOAD · IN THE FIELD

ONE TARGET. ZERO LIGHT.

SPECTRA384 · LWIR THERMAL

THERMAL ENVELOPE

LWIR · PERSONNEL

LWIR · VEHICLE + STRUCTURE

PERSONNEL TRACKING (LEFT) · VEHICLE & STRUCTURE HEAT CONTRAST (RIGHT) · IRONBOW PALETTE

When the day channel runs out of light, Spectra384 stays on target. The same turret that carries the 5 MP day sensor and 4× hybrid zoom adds a 384×288 thermal imager at 30 Hz refresh across up to 9 colour palettes — holding personnel and vehicles from first light through total darkness.

THERMAL SENSOR

384 × 288 PX

REFRESH RATE

30 HZ

COLOUR PALETTES

UP TO 9

VIEW MODES

DAY · THERMAL · STITCHED

KLMFLY GROUND CONTROL SOFTWARE

ONE SCREEN. ONE OPERATOR.

Every PHOENIX mission runs over an FHSS + AES encrypted, dual / quad-band link between aircraft and controller, so the mission map, live feed and telemetry can't be intercepted or spoofed mid-flight — controlled entirely from the KAT 9 Pro or KAT 11 Pro.

SATELLITE / TERRAIN / HYBRID

Switch base map layers on the fly to match terrain, lighting and mission need.

ONE-CLICK MISSION

Plan a full waypoint mission and launch it with a single confirmed command.

WAYPOINT NAVIGATION

Drop, sequence and edit unlimited waypoints directly on the map — even mid-flight.

TOUCH-TO-GO

Tap any point on the map and the aircraft flies there — no manual entry.

ONE-TOUCH TAKEOFF & LAND

Single-command autonomous takeoff and landing at the marked home point.

HOLD & HOVER

Command an instant position hold at any point for on-station observation.

IN-FLIGHT ALTITUDE CHANGE

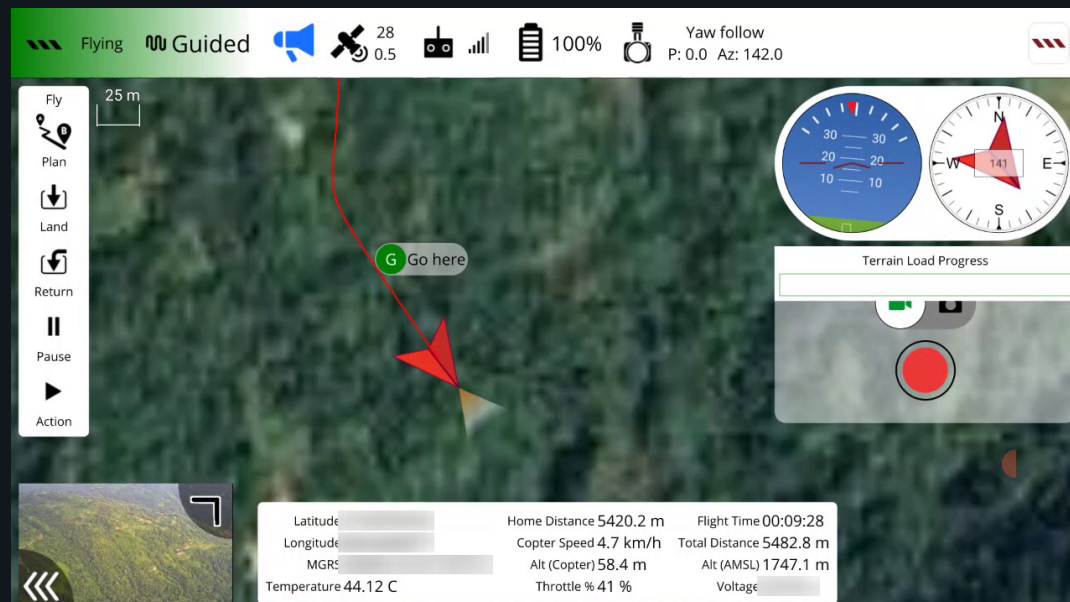
Raise or lower mission altitude live, mid-mission, without re-planning.

FULLY ENCRYPTED LINK

FHSS frequency-hopping with AES channel encryption end-to-end.

MISSION MAP · GUIDED

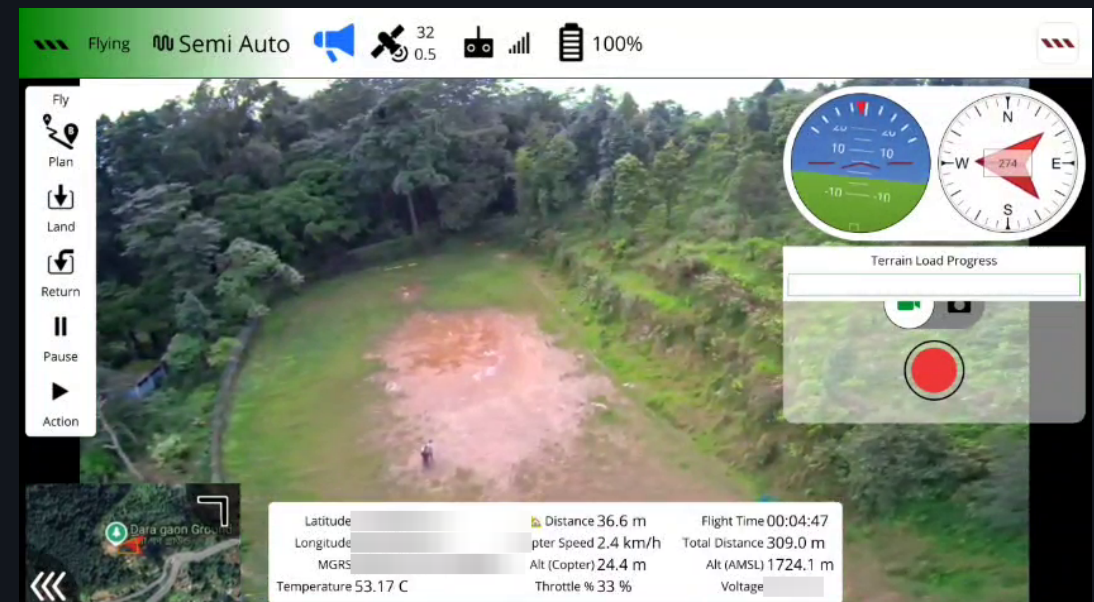
TOUCH-TO-GO



ACTUAL KLMFLY COCKPIT CAPTURE

LIVE FEED · EN ROUTE

FULL TELEMETRY HUD



ACTUAL KLMFLY COCKPIT CAPTURE

KAT 9 PRO · KAT 11 PRO · PHOENIX CONTROLLERS

ONE UNIT. TOTAL COMMAND.

Smart integrated aircraft control with fully autonomous mission control and waypoint navigation — picture-in-picture map and live view and dual-antenna FHSS diversity on both controllers. KAT 9 Pro pairs with H524-H1626, KAT 11 Pro (10.1" Full HD) with the 30-100 kg classes, and KAT 13 Pro with the 130-200 kg classes.

SPECIFICATION	KAT 9 PRO	KAT 11 PRO
Display	7" FHD touch	10.1" Full HD
Control Architecture	KlmFly App	KlmFly App
Live View	PiP map + live view	PiP map + live view
Radio Diversity	Dual-antenna FHSS	Dual-antenna FHSS
Internal Battery Endurance	180 min	290 min
Cockpit Recording	128 GB internal	300 GB
Paired Configurations	H524 · H726 · H1026 · H1326 · H1626	30 · 40 · 50 · 75 · 100 kg
Failsafe	Auto-Home	Auto-Home

OVER RANGE

AUTO-HOME

LOW BATTERY

AUTO-HOME

LINK LOSS

AUTO-HOME

KAT 9 PRO · KAT 11 PRO

LIVE PRODUCT RENDER



KAT 9 PRO · 7" FHD · OLIVE



KAT 11 PRO · 10.1" FHD · OLIVE

TECHNICAL SPECIFICATIONS · ENTRY CONFIGURATION

PHOENIX H524

Compact 5.5 kg payload configuration built for rapid resupply and light equipment drops — the lightest airframe in the PHOENIX line.

SPECIFICATION	VALUE
Max Payload Capacity	5.5 kg
Max Take-Off Weight	15 kg
Max Endurance (No Payload) *1	40-45 min
Max Endurance (Max Payload) *1	30-34 min
Max Radio Range *2	15 km
Max Launch Altitude (AMSL)	29,400 ft
Service Ceiling (AMSL)	36,000 ft
Max Speed	65 km/h
ECM Suite	Level 1 Active ECM
Obstacle Avoidance	Omni-directional radar (optional)
Battery System	Dual hot-swap
Ground Controller	KAT 9 Pro
Starting Price	₹6.99 Lacs

PHYSICAL, POWER & COMMS	VALUE
Diagonal / Footprint (unfolded)	1560 × 1254 × 475 mm
Folded Footprint	648 × 610 × 475 mm
Take-Off Weight	13.5 kg
Frame Material	Polyurethane, nylon + carbon fiber
Number of Rotors	4
Propeller Size	24 inches
Battery Chemistry	Lithium Hybrid
Battery Swap Time	Less than 2 mins
Charge Time (0-100%)	130 minutes
Control Link Frequency Band	2.4 / 5.8 GHz
Video Link Frequency Band	2.4 / 5.8 GHz
Video Latency	<110 ms
Operating Air Pressure	3.3 psi
Humidity	RH 95%
Warranty Terms	2 years
Included Accessories	Cables and other accessories depending on package
Training & Support Package	Yes — complimentary with system purchase

COMPATIBLE ATTACHMENTS

2×2 PAYLOAD LATCH & RELEASE MECHANISM	6×40 ADVANCED LAUNCH SYSTEM · AUTO-RECOIL RECOVERY	2×4 PAYLOAD LATCH & RELEASE MECHANISM
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PLATFORM-WIDE RATINGS

MAX WIND RESILIENCE 110 KM/H	WIND · MAX ENDURANCE 70 KM/H	OPERATIONAL TEMP. −55°C TO +65°C	WEATHERPROOFING IP55 · RAIN CAPABLE	MIL-STD REFERENCE MIL-STD-810G	TRANSMISSION · FHSS + AES DUAL / QUAD-BAND
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*1 Endurance varies by payload, negligible wind, standard conditions. *2 Clear line of sight, unobstructed terrain.

TECHNICAL SPECIFICATIONS · STANDARD CONFIGURATION

PHOENIX H726

10 kg payload configuration for standard field logistics runs.

SPECIFICATION	VALUE
Max Payload Capacity	10 kg
Max Take-Off Weight	21.5 kg
Max Endurance (No Payload) *1	40-45 min
Max Endurance (Max Payload) *1	30-34 min
Max Radio Range *2	15 km
Max Launch Altitude (AMSL)	29,400 ft
Service Ceiling (AMSL)	36,000 ft
Max Speed	65 km/h
ECM Suite	Level 2 Active ECM
Obstacle Avoidance	Omni-directional radar (optional)
Battery System	Dual hot-swap
Ground Controller	KAT 9 Pro
Starting Price	₹9.99 Lacs

COMPATIBLE ATTACHMENTS

2x2 PAYLOAD LATCH & RELEASE MECHANISM

6x40 ADVANCED LAUNCH SYSTEM · AUTO-RECOIL RECOVERY

2x4 PAYLOAD LATCH & RELEASE MECHANISM

PLATFORM-WIDE RATINGS

MAX WIND RESILIENCE

110 KM/H

WIND · MAX ENDURANCE

70 KM/H

OPERATIONAL TEMP.

-55°C TO +65°C

WEATHERPROOFING

IP55 · RAIN CAPABLE

MIL-STD REFERENCE

MIL-STD-810G

TRANSMISSION · FHSS + AES

DUAL / QUAD-BAND

PHYSICAL, POWER & COMMS

DETAILS OUT SOON

*1 Endurance varies by payload, negligible wind, standard conditions. *2 Clear line of sight, unobstructed terrain.

TECHNICAL SPECIFICATIONS · HEAVY CONFIGURATION

PHOENIX H1026

15 kg payload configuration for heavier equipment and multi-item resupply loads.

SPECIFICATION	VALUE
Max Payload Capacity	15 kg
Max Take-Off Weight	29.5 kg
Max Endurance (No Payload) *1	40-45 min
Max Endurance (Max Payload) *1	30-34 min
Max Radio Range *2	15 km
Max Launch Altitude (AMSL)	29,400 ft
Service Ceiling (AMSL)	36,000 ft
Max Speed	65 km/h
ECM Suite	Level 2 Active ECM
Obstacle Avoidance	Omni-directional radar (optional)
Battery System	Dual hot-swap
Ground Controller	KAT 9 Pro
Starting Price	₹12.99 Lacs

COMPATIBLE ATTACHMENTS

2x2 PAYLOAD LATCH & RELEASE MECHANISM

6x40 ADVANCED LAUNCH SYSTEM · AUTO-RECOIL RECOVERY

2x4 PAYLOAD LATCH & RELEASE MECHANISM

PLATFORM-WIDE RATINGS

MAX WIND RESILIENCE

110 KM/H

WIND · MAX ENDURANCE

70 KM/H

OPERATIONAL TEMP.

-55°C TO +65°C

WEATHERPROOFING

IP55 · RAIN CAPABLE

MIL-STD REFERENCE

MIL-STD-810G

TRANSMISSION · FHSS + AES

DUAL / QUAD-BAND

PHYSICAL, POWER & COMMS

DETAILS OUT SOON

*1 Endurance varies by payload, negligible wind, standard conditions. *2 Clear line of sight, unobstructed terrain.

[illegible]

2x4 PAYLOAD LATCH & RELEASE MECHANISM

TRANSMISSION · FHSS + AES
DUAL / QUAD-BAND

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TECHNICAL SPECIFICATIONS · EXTENDED-RANGE CONFIGURATION

PHOENIX H1626

25 kg payload configuration with extended 30 km radio range and Level 3 active ECM.

SPECIFICATION	VALUE
Max Payload Capacity	25 kg
Max Take-Off Weight	40 kg
Max Endurance (No Payload) *1	44-50 min
Max Endurance (Max Payload) *1	34-38 min
Max Radio Range *2	30 km
Max Launch Altitude (AMSL)	29,400 ft
Service Ceiling (AMSL)	36,000 ft
Max Speed	65 km/h
ECM Suite	Level 3 Active ECM
Obstacle Avoidance	Omni-directional radar (optional)
Battery System	Dual hot-swap
Ground Controller	KAT 9 Pro
Starting Price	₹17.99 Lacs

COMPATIBLE ATTACHMENTS

2x2 PAYLOAD LATCH & RELEASE MECHANISM

6x40 ADVANCED LAUNCH SYSTEM · AUTO-RECOIL RECOVERY

2x4 PAYLOAD LATCH & RELEASE MECHANISM

PLATFORM-WIDE RATINGS

MAX WIND RESILIENCE

110 KM/H

WIND · MAX ENDURANCE

70 KM/H

OPERATIONAL TEMP.

-55°C TO +65°C

WEATHERPROOFING

IP55 · RAIN CAPABLE

MIL-STD REFERENCE

MIL-STD-810G

TRANSMISSION · FHSS + AES

DUAL / QUAD-BAND

PHYSICAL, POWER & COMMS

DETAILS OUT SOON

*1 Endurance varies by payload, negligible wind, standard conditions. *2 Clear line of sight, unobstructed terrain.

TECHNICAL SPECIFICATIONS · PAYLOAD CLASSES 30 - 200 KG

DETAILS OUT SOON.

Full technical specifications for the remaining PHOENIX payload classes have not yet been released. Contact sales@klmpower.com to be notified at launch.

CONFIGURATION	MAX PAYLOAD	GROUND CONTROLLER	SPECIFICATIONS
PHOENIX · 30 KG PAYLOAD CLASS	30 kg	KAT 11 Pro	DETAILS OUT SOON
PHOENIX · 40 KG PAYLOAD CLASS	40 kg	KAT 11 Pro	DETAILS OUT SOON
PHOENIX · 50 KG PAYLOAD CLASS	50 kg	KAT 11 Pro	DETAILS OUT SOON
PHOENIX · 75 KG PAYLOAD CLASS	75 kg	KAT 11 Pro	DETAILS OUT SOON
PHOENIX · 100 KG PAYLOAD CLASS	100 kg	KAT 11 Pro	DETAILS OUT SOON
PHOENIX · 130 KG HEAVY-LIFT PRO	130 kg	KAT 13 Pro	DETAILS OUT SOON
PHOENIX · 160 KG HEAVY-LIFT PRO	160 kg	KAT 13 Pro	DETAILS OUT SOON
PHOENIX · 200 KG FLAGSHIP CONFIGURATION	200 kg	KAT 13 Pro	DETAILS OUT SOON

NOTIFY ME AT LAUNCH

sales@klmpower.com — Subject: PHOENIX Heavy-Lift Notify Me

TECHNICAL SPECIFICATIONS

BUILT TO CARRY, DROP, SUSTAIN

PHYSICAL & POWER	VALUE
Payload Capacity Range	5 - 200 kg
Max Take-Off Weight (MTOW)	Model dependent · up to 240 kg
Diagonal / Footprint (unfolded)	1560 × 1254 × 475 mm ★
Folded Footprint	648 × 610 × 475 mm ★
Take-Off Weight	13.5 kg ★
Frame Material	Polyurethane, nylon + carbon fiber ★
Number of Rotors	4 ★
Propeller Size	24 inches ★
Battery System	Dual / quad hot-swap packs
Battery Chemistry	Lithium Hybrid ★
Battery Swap Time	Less than 2 mins ★
Charge Time (0-100%)	130 minutes ★
Payload Deployment	Remote drop · winch on select models

COMMS & ENVIRONMENTAL	VALUE
Transmission	FHSS + AES · Dual / Quad-Band
Control Link Frequency Band	2.4 / 5.8 GHz ★
Video Link Frequency Band	2.4 / 5.8 GHz ★
Video Latency	<110 ms ★
GNSS Constellations Supported	GPS · GLONASS · Galileo · QZSS
RTK Support	Optional dual-antenna RTK
Obstacle Avoidance	Optional omni radar
ECM Suite	Up to Level 3 Active ECM
Operational Temperature	−55°C to +65°C
Weatherproofing	IP55 · rain capable
Max Wind Resilience	110 km/h
Wind Resilience (For Maximum Endurance)	70 km/h
Operating Air Pressure	3.3 psi ★
Humidity	RH 95% ★
Applicable MIL-STD Reference	MIL-STD-810G

★ Values marked with a star are for PHOENIX H524.

ORDERING INFORMATION

DEPLOY THE PHOENIX

FIELD	DETAILS
Part Number	KLMPHX0001
Configurations	H524 · H726 · H1026 · H1326 · H1626 · 130 · 160 · 200 kg
Ground Controller	KAT 9 Pro · KAT 11 Pro, depending on model
Starting At	₹6.99 Lacs · H524, 5.5 kg payload
Warranty Terms	2 years
Included Accessories	Cables and other accessories depending on package
Training & Support Package	Yes — complimentary with system purchase

Contact for Full Briefing

sales@klmpower.com — Subject: PHOENIX Briefing