

SUPERIOR PERFORMANCE

# BRIDGE INSPECTION

Bridge Inspection Truck | Bucket Aerial Platform  
High Low Latitude Work Platform

**K** KOREA  
**CRANE**

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**Absolutely Powerful** Bridge inspection machinery

**K** KOREA  
**CRANE**



# BRIDGE INSPECTION MADE EASY WITH HIGHEST SAFETY AND RELIABILITY.

As a manufacturing company certified by the Ministry of Land, Infrastructure, and Transport, Kcrane produces quality equipment and supplies them to various institutions such as the Construction and Management Administration and domestic and foreign companies.

## PRODUCT USABILITY

- Large capacity power inverter & Supplementary battery
- 2-way lamp to display the vertical boom's angle
- 7-inch color touchscreen
- 4-channel monitoring cameras and monitors
- Platform movement joystick
- Interphones

## CHASSIS PERFORMANCE

- 4-lane road width workable
- Highland bridges possible
- Easy trouble shooting and maintenance
- Automatic alarm and emergency cut-off system
- Multiple interlocks for added safety

## SAFETY DESIGN

- Streamlined design that minimizes wind resistance
- Limit switch, Encoder & Safety brake
- Downsized and lightweight DC emergency pump
- Maximized bearing capacity with 3-way roller type crane outriggers
- Stainless steel stairs with non-slip treads & Aluminum staircase

## TECHNOLOGY SYSTEM

- Integrated self-diagnosis system & Wireless remote control
- Tilt sensors for main and vertical boom
- Load cell system for a precessional measure of the platform's weight
- Stronger motor drive with double brakes, motion valve and large capacity drive motor
- An anemometer





# BRIDGE INSPECTION PERFORMANCE FEATURE & BENEFITS.

As a manufacturing company certified by the Ministry of Land, Infrastructure, and Transport, Kcrane produces quality equipment and supplies them to various institutions such as the Construction and Management Administration and domestic and foreign companies.



## Integral frame

The integrated frame is created based on the European high-tension tube to minimize torsion of boom and platform, so the equipment can be used safely for a long time.



## Self-diagnosis system

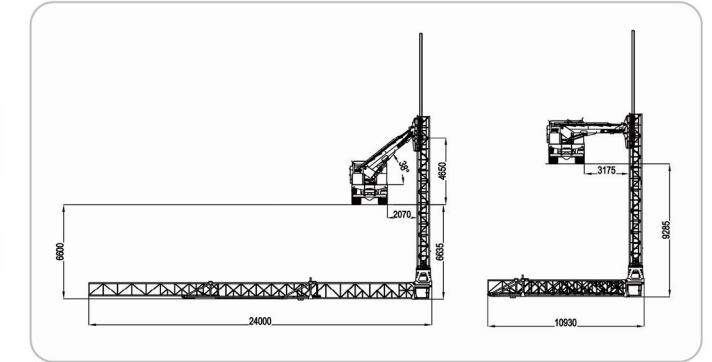
The advanced technologies and various electronic control functions enable real-time inspection and make the bridge inspection system more efficient.

## Safety & Design

Streamlined design that minimizes wind resistance, Stainless steel stairs with non-slip treads & Aluminum staircase.



# BRIDGE INSPECTION SAFETY DESIGN AND PRODUCT SPECIFICATION.



## TECHNICAL SPECIFICATION

## BRIDGE INSPECTION TRUCK

Model	Unit	KBIT-14	KBIT-16	KBIT-20	KBIT-22	KBIT-22A	KBIT-22B	KBIT-22C	KBIT-25	KBIT-20N
Overall length of unit	mm	12320	12050	12900	12970	12800	12970	12420	13045	12970
Overall width of unit	mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Overall height of unit	mm	3990	3995	4000	3990	3990	4000	4000	3994	4000
Total weight of unit	kg	25000	31000	31000	31000	32000	32000	31000	32000	31000
Max. horizontal working range	m	14	16	20.6	22.2	22.3	22.2	22	25	20.6
Max. overcoming barrier	m	2.3	2.3	4.8	4.8	4.7	4.8	5	4.8	4.8
Max. overbridging of sidewalk	m	2.5	2.5	3	3	2.8	3	4.64	3	3
Max. overcoming barrier of show car	m	2.3	2.3	4	4	4.1	4	5	4	4
Max. overbridging of sidewalk of show car	m	2.5	2	2.8	2.8	2.5	2.8	4.55	2.8	2.8
Max. lowering depth	m	8	8	9	9	8.5	9	8.5	9	9
Max. crossing box girder	m	6.8	6.8	7.8	7.8	7.3	7.8	7.3	7.8	7.8
Max. payload of platform	kg	800	1000	800	800	800	800	800	800	800
Max. payload of platform front	kg	400	500	400	400	400	400	400	400	400
Max. platform width	m	1.02	1.5	1.1	1.1	1.5	1.1	1.02	1.1	1.1
Rotation range of 1st slewing organization	°	0~90	0~90	0~90	0~90	0~90	0~90	0~90	0~90	0~90
Rotation range of 2nd slewing organization	°	0~180	0~180	0~180	0~180	0~180	0~180	0~180	0~180	0~180
Walking speed	m/min	≥13	≥13	≥13	≥13	≥13	≥13	≥13	≥13	≥13
Max. net power of engine	ps(kW)	280(IV206)	300(IV220)	300(IV220)	300(IV220)	400(294)	420(309)	320(V236)	400(294)	420(309)



# BUCKET AERIAL PLATFORM FEATURE & BENEFITS.

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## Integral frame

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## Self-diagnosis system

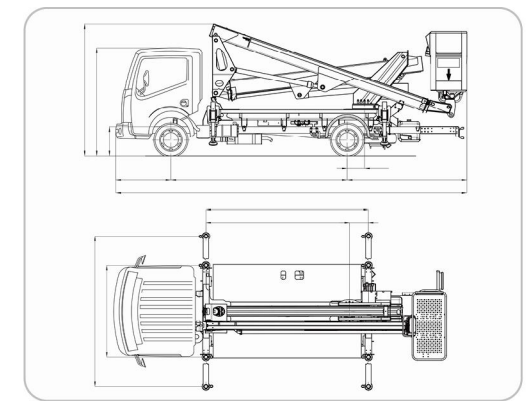
The advanced technologies and various electronic control functions enable real-time inspection and make the bridge inspection system more efficient.

## Safety & Design

Streamlined design that minimizes wind resistance, Stainless steel stairs with non-slip treads & Aluminum staircase.



# BUCKET AERIAL PLATFORM SAFETY AND PRODUCT SPECIFICATION.



## TECHNICAL SPECIFICATION

## BUCKET AERIAL PLATFORM

Model	Unit	KBAP-16	KBAP-18	KBAP-20	KBAP-23
Overall length of unit	mm	11,950	12,120	11,950	12,000
Overall width of unit	mm	2,500	2,500	2,500	2,500
Overall height of unit	mm	3,800	3,980	3,800	3,980
Total weight of unit	kg	31,000	31,000	28,780	31,000
Max. horizontal working range	m	16	18	20	23
Max. overcoming barrier	m	5.4	6.5	4.7	6.9
Max. overbridging of sidewalk	m	5.2	5.35	3.5	5.5
Max. overcoming barrier of show car	m	4.2	5	3.4	5.6
Max. overbridging of sidewalk of show car	m	4.9	5.4	3.2	5.5
Max. lowering depth	m	21	22	24	26.3
Max. crossing box girder	m	7.4	6.9	7.6	7.2
Max. reach overhead	kg	12.5	19	12.5	22.7
Rated load of platform	kg	200	250	250	200
overall dimensions of platform	m	1.2x0.8x1.1	1.2x0.8x 1.1	1.2 x 0.8 x 1.1	1.2x0.8x1.1
Rotation range of 1st slewing organization	°	0~90	0~90	0~90	0~90
Rotation range of 2nd slewing organization	°	0~135	0~180	0~135	0~180
Max. Walking speed	m/min	≥13	≥13	13	≥13
Max. net power of engine	ps(kW)	315(231.5)	315(231.5)	315( 231.5)	420(310)