KSH145

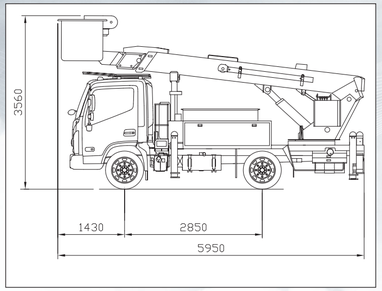
Aerial Platform for pursuit of perfection

KANGLIM Aerial platform provides maximum working height and radius for small vehicle body so as to resolve difficulties in the field. Working range, as provided by linkage with extending width of outrigger, secures maximum working space and safety even in the narrow place. Bucket with wide slewing angle, high speed winch and convenient controlling devices demonstrate top-class working efficiency.

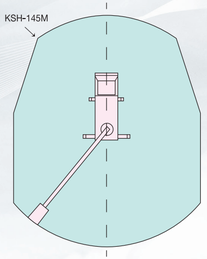
- *Hyundai 3.5ton chassis*
- *High access speed stiff boom*
- *Wide rotation angle of bucket*
- *Proportional working range, linked with extending width of outrigger*



Exterior drawing



Working range



AMCS (Automatic Moment Control System) secures maximum working range at all times under safety operation even in case outrigger is not able to extend sufficiently because of traffic status and space limit In every direction, AMCS detects extending width of outrigger into 4 stages independently that enables precise control In particular, working range at side is drastically expanded. (Bucket loadage : 200kg.f)

Main features



Bucket Slide Device

Bucket is designed to lift up max 500mm so as to increase convenience of worker when entering into between wires or accessing close-range of working height without movement of boomessing close-range of working height without movement of boom



Outrigger / Boom interlock device

Prevent operation of boom when outrigger is not fully grounded / While boom is operated, outrigger is prohibited so as to prevent accident in advance caused by abnormal operation



Housing location of Boom, Auto stop device

When retracting boom, Boom is forced to stop and be placed automatically in housing position



Monitor

Monitor at right side of column enables self-diagnosis easily



Lower control lever

Outrigger indicator and control lever are placed intensively in lower part so as to increase convenience of control



Low-noise high speed winch / Light weight sub boom

Low-noise high speed winch is equipped and twice lighter sub boom is installed so as to increase work capability



Upper control lever

Control lever and switch are placed intensively in upper part so as to increase convenience of control



Bucket rotating device with wide angle

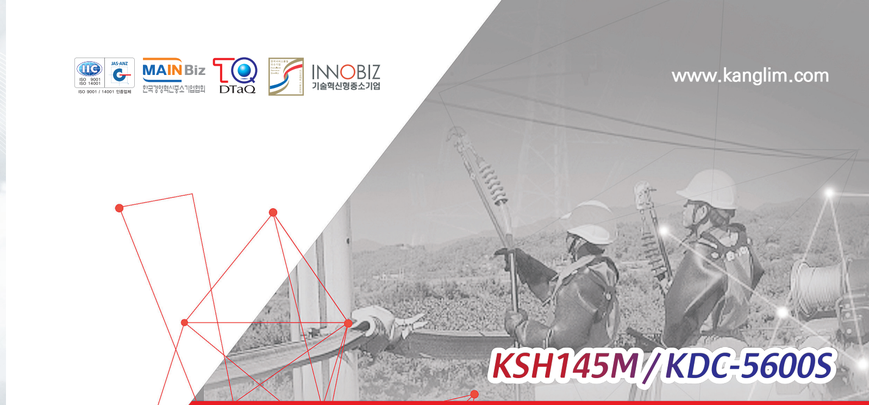
With easier access to rear of pole, left and right 100° of bucket rotating angle provides optimum work location



Large tool box

Large tool box is equipped at left and right side of vehicle for tools

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KSH145M / KDC-5600S

AERIAL PLATFORM AUGER CRANE



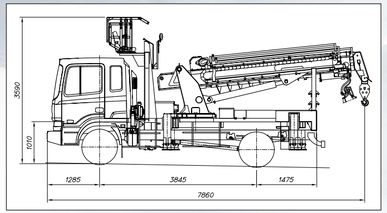
KANGLIM

KDC-5600S

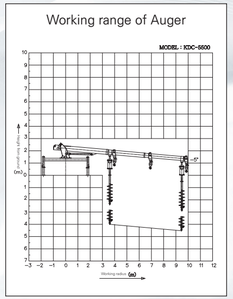
Superb performance of pole installation and boring by mounting various hydraulic devices and auger onto 5ton chassis



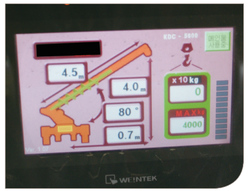
Exterior drawing



Working range



Main features of KDC-5600S



Automatic Moment Limit device and Monitor

Real time work status can be monitored so as to increase efficiency and safety of job



Engine stopping operation

During operation, user is able to perform operation without moving to driver seat



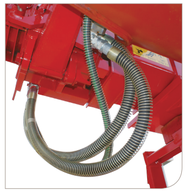
Turntable ring gear box

Designed suitable to auger crane operation, and maximize durability by using high tension steel plate(AT80)



Hydraulic service port

Service port is located at the rear of deck so as to use hydraulic tools and cylinders conveniently



Anti-torsion hose

Swivel nipple is applied to prevent torsion of hose when screwing so that maximizing life time of hose



Oil cooler

Prevent rising of oil temperature



Winch automatic brake system

Auto brake system is applied in order to prevent damages caused by sudden heavy load to winch

Technical Specifications

Model	Type	KSH145M
Working condition	Leakage current	1mA·kv/3min
	Line voltage	22.9kv
Bucket	Max. permissible load	200(or 2 ppl)Kg
	Max. working height	16.1m
	Max. working radius	9.8m
	Material	F.R.P
	Dimension(inside)	1.1x0.73x1.0m
	Rotating angle	Left100° – Right100°
	Withstand voltage	20kv/1min
Arm boom	Rotating angle	–
Bucket liner	Material	Polyethylene
	Dimension(inside)	1.01x0.68x0.9m
	Withstand voltage	50kv/1min
Winch	Loading capacity	550kg
	Height(up and down angle)	16m(60°)
	Material of sub-boom	F.R.P
	Rope	Ø12x20m
	Max. working radius	7.4m
	Withstand voltage	20kv/1min
Boom	Material	F.R.P
	Up and down angle	-15°~80°
	Length	5.2~12.3m
Turn table	Swing angle	360°(continuous)
	Swing speed	1rpm
	Outrigger span	3350mm
Mounting vehicle	Chassis	Hyundai 3.5ton

Model			KDC-5600S
Auger	Hole diameter		450mm
	Max. hole depth		4,500mm
	Working radius		3.7~9.6m
	Auger torque		900kg-m
Crane	Type		4 wires(hexangular)
	Control		Lever(hydraulic valve)
	Lifting capacity	Max.	4,000kgf x 4.0m
		Min.	300kgf x 12.8m
	Max. working height		14.8m
	Max. working radius		12.8m
	Boom	Elevation angle	-5°~80°
	Turn table	Type	Hydraulic motor + Swing reducer
		Swing angle	360°(continuous)
		Swing speed	1.2rpm
	Outrigger	Type	"H"
		Max. span	4,000mm
		Control	Hydraulic cylinder
		Jack cylinder hose	Outrigger built-in
Winch	Type		Spur gear reducer type
	Hook speed		14m/min(4 layers)
	Wire rope		Ø10 x 78m
	Brake system		Band brake system
Hydraulic	Hydraulic pump	Type	Gear pump
	Pressure		195kgf/㎠
	Tank volume		120ℓ
Option			Tooth : Rock tooth

※ Specifications are subject to change without notice.

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