JINWOO400S Tech. Specs. and Descriptions

TECHNICAL SPECIFICATIONS ~ JINWOO400S			
DESCRIPTION		**UNITS**	**SPECIFICATIONS**
PRODUCT CODE	BY OEM	-	JINWOO400S (**OPTIONAL 300Kgs Crane Winch**)
MANUFACTURER	OEM	-	JINWOO SMC. CO. LTD.
PERMISSIBLE MOUNTING VEHICLE	DAEWOO or HYUNDAI MOTORS	-	4x2, 220PS ENGINE, 14TONS GVW WITH 3,850MM WHEEL BASE
PRODUCT (INCLUSIVE OF VEHICLE)	STOWED LENGTH	mm	7,475 (**Compact for any roads**)
	STOWED WIDTH	mm	2,205
	STOWED HEIGHT	mm	3,400
	WEIGHTAGE	Tons	≈13.0
TELESCOPIC BOOM	No. of BOOMS	EA	8 (ALL TELESCOPIC CHAIN TYPE)
	CROSS SECTION	mm	18 EDGES (SPECIAL PATENTED DESIGN)
	TYPE	-	PROPORTIONAL WITH MOMENT AUTO-LOCKING
TURRET or TURNTABLE	ROTATION	DEGREE	STANDARD: 350° (±175° NON-CONTINUOUS)
	TYPE	-	HYDRAULIC SLEWING BEARING WITH REDUCTION GEAR
OUTRIGGER (PATENTED X-A STYLE)	No. of BOOMS	-	TOTAL 3 (1 Fixed)
	SLIDE STROKE LENGTH	mm	880 (FRONT & REAR)
	MAX. OUTREACH	mm	6,950 (FRONT)
			8,525 (REAR)
OUTRIGGER JACKS	STROKE LENGTH	mm	860 (FRONT) / 740 (REAR)
STEEL PLATFORM **or** FRP INSULATED BASKET	F.R.P BASKET	mm	1,280(L)*1,100(H)*850(W)(for 2 workmen)
	F.R.P INSULATION	Volts	20,000
	ALUMINIUM	mm	3,230(L)*1,030(W)*1,100(H) (for 2 workmen)
	TYPE	-	HYDRAULIC ; SELF-LEVELING
	ROTATION	DEGREE	360° CONTINUOUS (Max. ±720°) USING RING GEAR
PROPORTIONAL PVG32 VALVE CONTROLS	BASIC TYPE	-	MANUAL LEVER (OUTRIGGER AND BOOM)
	REMOTE CONTROL	-	PORTABLE WIRELESS (FOR UPPER CONTROLS)
MAX. WORKING HEIGHT		M	40 (38M TO FLOOR OF BASKET)
MAX. OUTREACH (REAR & SIDES)		M	WITHOUT KOREAN VEHICLE: 23 @ 100Kg; 17.5 @ 500Kg WITH KOREAN VEHICLE: 25 @ 100Kg; 19 @ 500Kg
MAX. WORKING LOAD (PAYLOAD)		Kgs	500 for ALUMINIUM PLATFORM ~ **Std. design** 250 for FRP BASKET ~ **Optional** **SPECIAL 500KG PAYLOAD ~ Optional**
HYDRAULIC OIL TANK CAPACITY		Ltrs.	160
SAFETY DEVICES		-	RELIEF & COUNTER BALANCE VALVES, PROPORTIONAL CONTROL VALVE, PLATFORM SAFE ANGLE CONTROL VALVE, PILOT CHECK VALVE, OVERTURNING ALARM, BOOM OVER EXTENSION ALARM (OPTIONAL: AUTOMATIC CUT-OFF SAFETY SYSTEM), DISPLAY MONITOR, PAYLOAD & BOOM ANGLE LIMITER, OUTRIGGER POSITION BASED WORK AREA AUTOMATIC CUT-OFF SYSTEM etc...

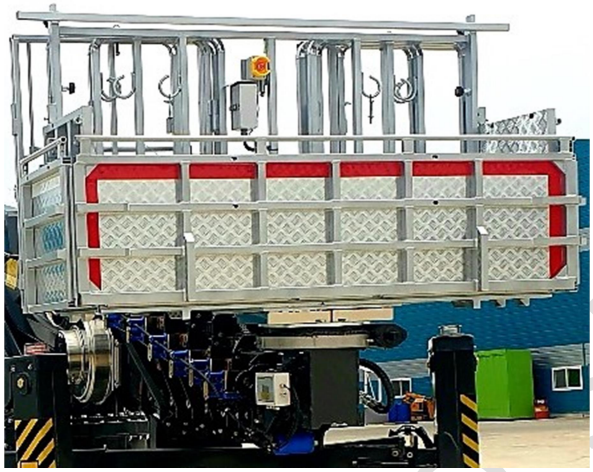
Note: Technical Specifications are bound to change without prior notification.

TRANSPORT DIMENSIONS – MOST COMPACT IN THIS SERIES.

READY-FOR-DELIVERY PRODUCT IN READY-TO-OPERATE CONDITION.

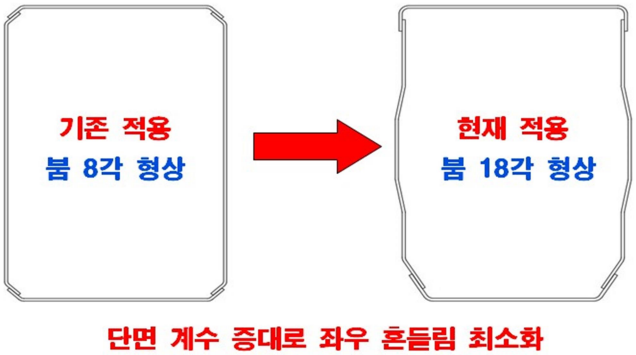
EASILY ACCESSIBLE OPERATOR'S GROUND CONTROLS STATION(WITH HYDRAULIC CONTROL LEVERS AND ENGINE CONTROL SYSTEM) ON TURRET.

* POSSIBLE TO PROVIDE WITH ERGONOMIC CABIN AND AIR-CONDITIONER *

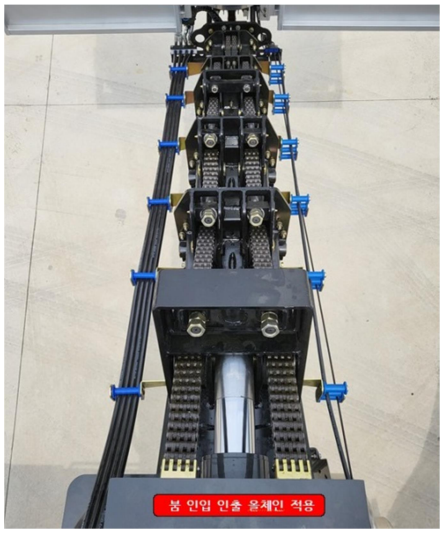


LIGHTER WEIGHT YET STRONGER EXTENDABLE (UPTO3.25M) ALUMINIUM PLATFORM WITH 500KG PAYLOAD CAPACITY.

FULLY COVERED BASE FRAME DECKS FOR SAFE PROTECTION OF THE ELECTRONIC SYSTEM AS WELL SPACIOUS TOOLS BOX.



TRADITIONAL 8 EDGES UPGRADED TO 18EDGES FOR REDUCING BOOM BENDING

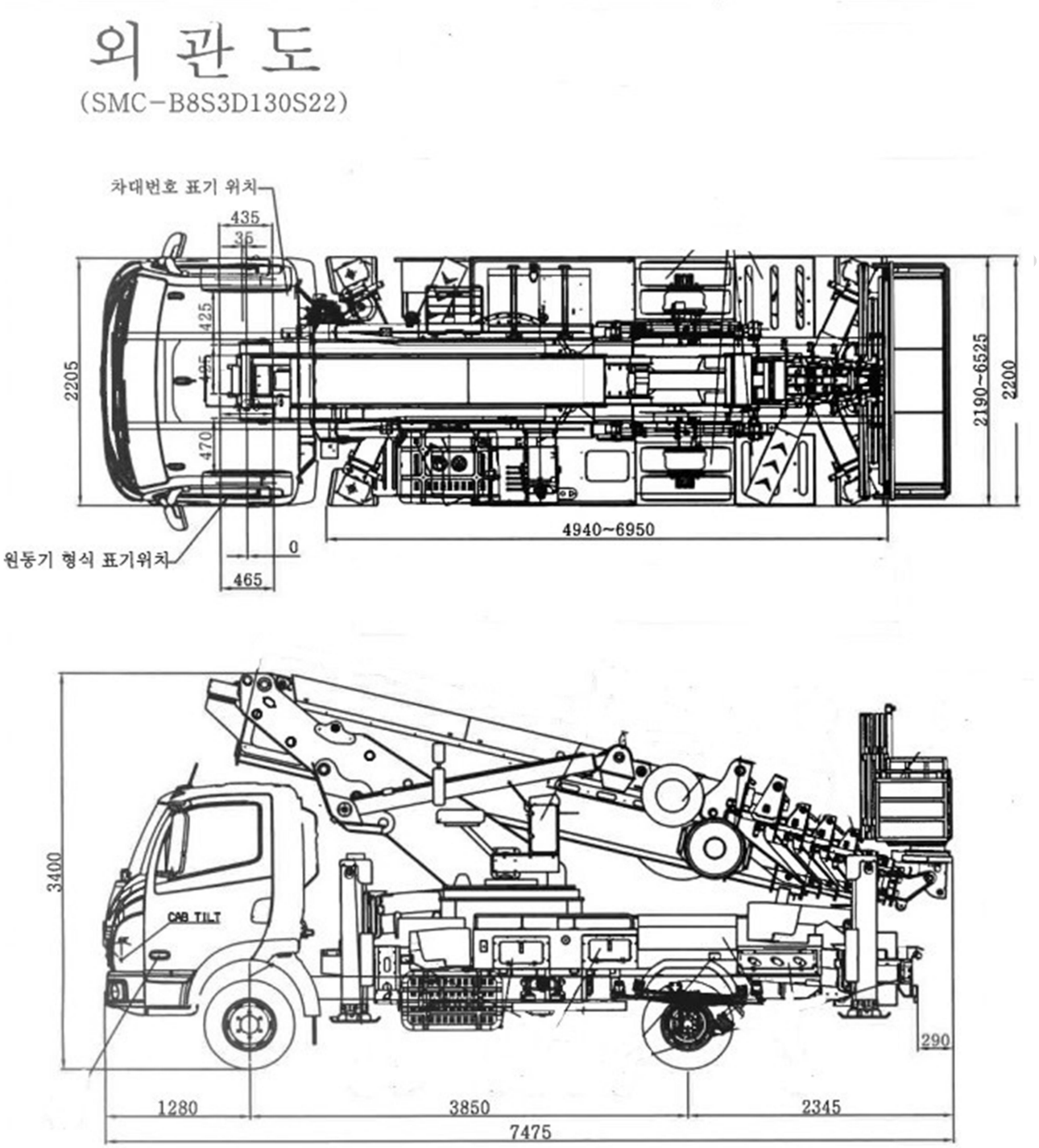


FULL-CHAIN SYSTEM FOR LIFELONG SERVICE WITH LEAST MAINTENANCE

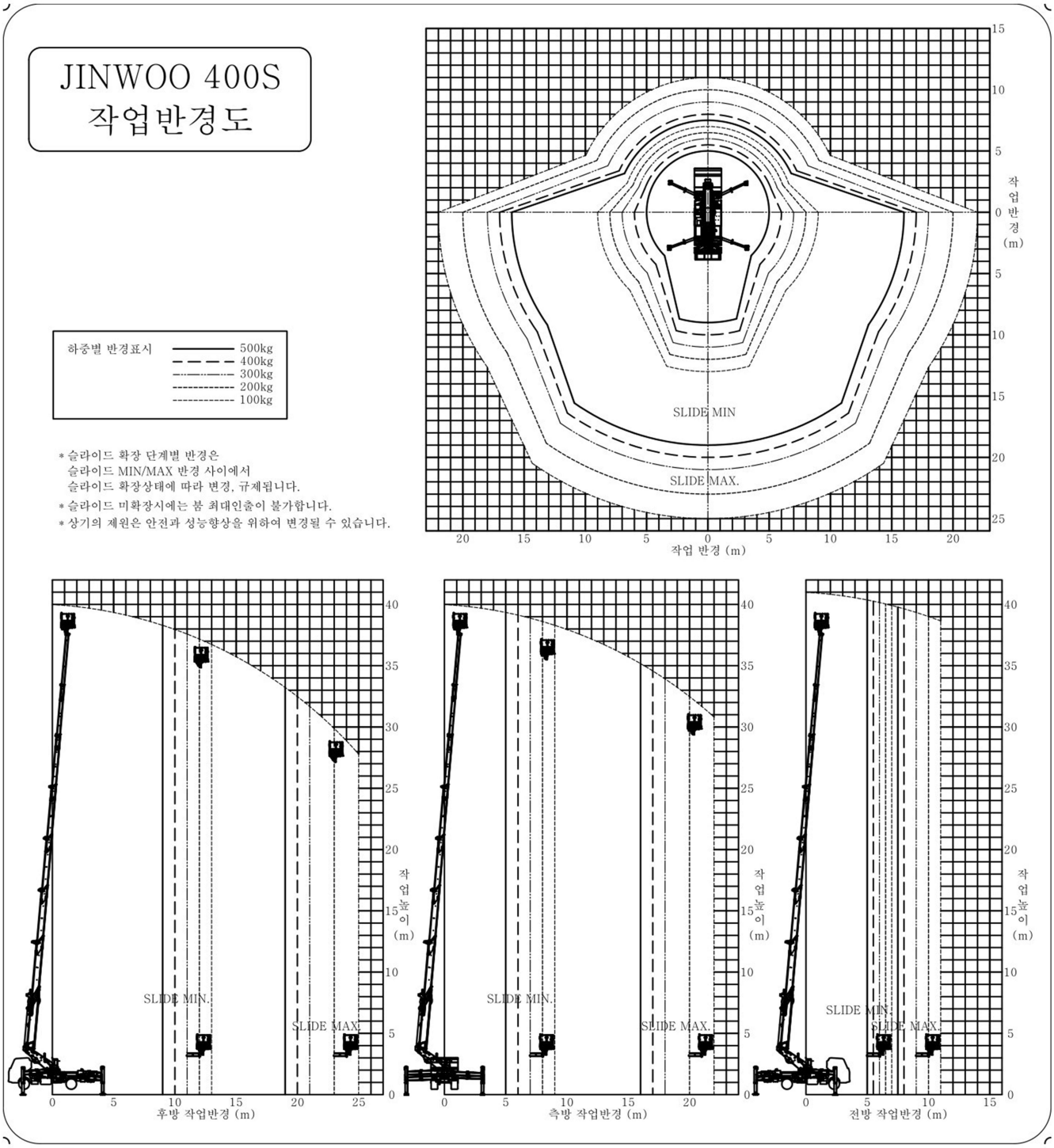
STRAIGHT BOOMS (WITHOUT BENDING) AT MAX., HEIGHT AND ANGLE.

MODELS IN STOCK FOR SALE.

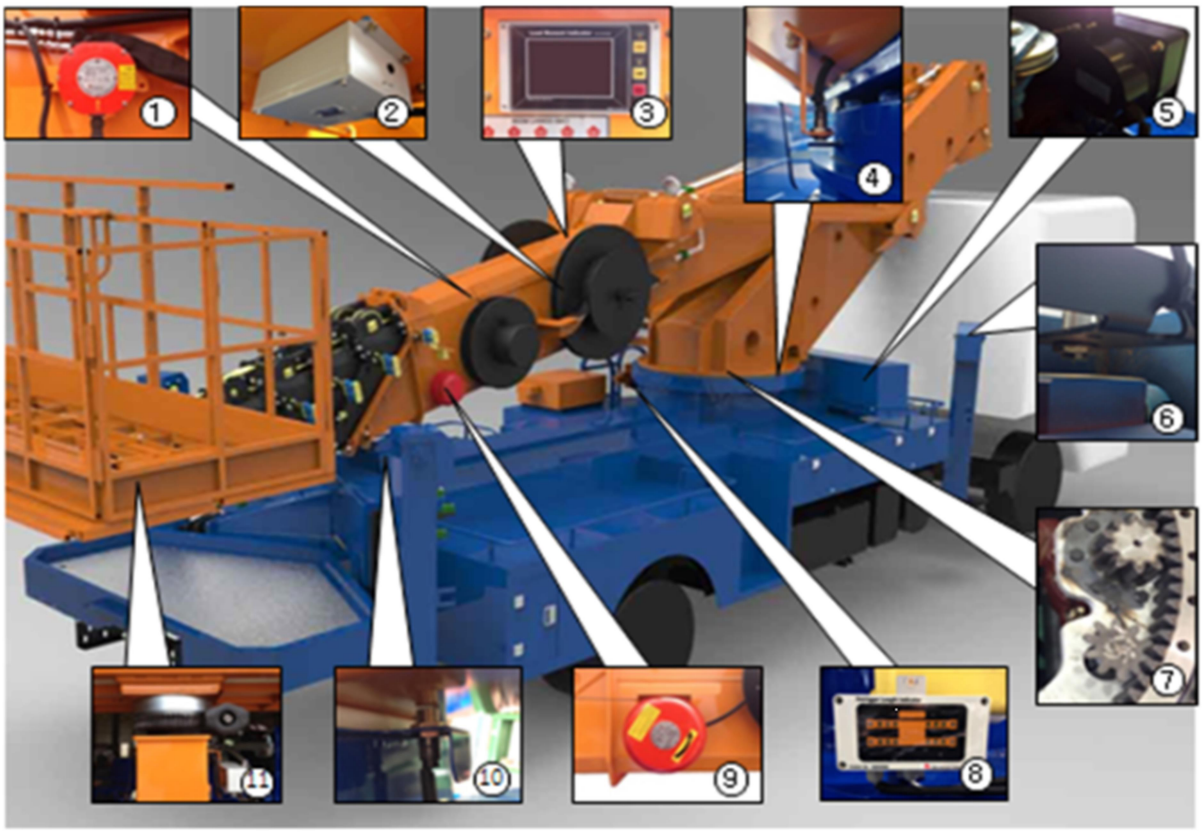
ASSEMBLY DRAWING



WORK AREA DRAWING



Mechatronic Automatic Cut-off System - AML(Auto Moment Limiter) System



① Boom angle sensor : Controls work radius by checking boom angle.

② Controller of safety system : Controls emergency situations and normal operations by receiving signal from different Sensors.

③ Display Monitor : Displays different operations parameters and also status warning on touch-screen color monitor, along with audio alarm in case of emergency.

④ Turret Swing sensor : It indicates the swing angle of the turret and boom and controls the swing within the design permitted range. It will automatically cut-off the rotation of turret and boom.

⑤ Outrigger Slide length sensor : Controls work radius by detecting slide's length and position to avoid tilting of the vehicle.

⑥ Anti-Tilt sensor : Its Secondary safety system. Warns the operator with high-audio alarm if any or all of the outrigger jacks are not touching the ground and if they lift from the ground when boom operations are performed.

⑦ Rotation detecting Encoder : Detects the rotation angle of the Turret and Boom.

⑧ Outrigger Jack Position Indicator : It shows 3 different positions of the Outrigger Jacks using the Slide length sensor.

⑨ Boom length sensor : Controls the safe extension of boom and limits it within the permissible design limit.

⑩ Boom-Outrigger interlock sensor : Its Primary safety system. Ensures that Outrigger and Boom/Basket operations cannot be performed together but either of the one is only possible.

⑪ Load cell(Weight sensor) : Controls the work area and cuts-off all Boom as well as platform operations if over loaded by detecting payload in platform.

OPTIONAL: *AUTOMATIC MOMENT LIMITING(AML) MECHATRONIC CONTROL SYSTEM; PROVIDED WITH THE DESCRIPTIONS.*