6000SLX

HYDRAULIC CRAWLER CRANE

Specifications



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HYDRAULIC CRAWLER CRANE

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Specifications

Engine

■ Model: Isuzu 6WG1

■ Type: 4-cycle, water-cooled, direct injection,

turbo-charged, diesel engine

■ Displacement: 15 681 cc

■ Rated Output : 397 kW / 1 800 min⁻¹

(540 ps / 1 800 rpm)

■ Fuel Tank: 800 liters

■ Electrical System: 24 V D.C., 2 batteries

Notes:

1 Engine meets Stage / Tier 3 of current smoke emission regulations in Europe, United States and Japan.

2 The 397 kW engine horsepower shown above is based on an international engine horsepower rating formula that includes the horsepower necessary for engine alternator drive but excludes engine fan drive.



Pedal:

■ Control System : Control levers operate remote-

controlled hydraulic servos that direct oil through six sets of tandem valves to provide comprehensive motion

control.

■ Control Levers : Ergonomic lever layout enables

efficient operation. Joystick lever on left side controls slewing and boom hoist. Arm-chair levers on right side control hoist 1 & 2, luffing jib hoist, travel and long-mast hoist. Main winch levers are equipped with drum rotation

sensors.

■ Slewing Brake Designed to be maintenance free

while resisting overheating. Unique brake design of hydraulic oil control system makes it possible to smoothly initial slewing motion, even against the

wind.

■ Display Panel Graphics on the display panel makes it Design: easy to input the necessary operating

easy to input the necessary operating conditions and data according to actual lifting and working conditions.



Hydraulic System

Three variable-displacement axial piston pumps and one fixed-displacement tandem gear pump provide power for independent and combined operations for all functions.

■ Hydraulic Reservoir Capacity: 800 liters

Load Hoist Drums (W1, W2)

Independent bi-directional hydraulic motors provide power through a two-stage planetary reduction gear unit to drive the two main hoisting drums for hoisting and lowering operations.

Cables: 28mm dia. / 800 m long.



Boom Hoist Drum (W3)

A single bi-directional axial piston hydraulic motor powers a 3-stage planetary reduction gear unit that drives the rope drum to either hoist or lower the boom.

Cables: 28 mm dia.



Luffing Jib Hoist Drum (W4)

A single bi-directional axial piston hydraulic motor powers a 3-stage planetary reduction gear unit that drives the rope drum to either hoist or lower the luffing jib.

Cables: 28 mm dia.

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Slewing System

Slewing system is designed so that the three slewing pinions mesh with the external slewing ring gear. With this design, the external slewing gears bears the majority of the slewing torque. The system is designed to be easy to lubricate.



Counterweight

Standard 160 ton counterweight consists of a 20-ton base weight and 14 cast iron block pieces that all have the same dimensions.

Optional 180-ton weight uses two additional weights in addition to standard counterweight.



Lower Weight

50-ton weight is standard 62-ton weight is option



Side Frames

All welded structures are manufactured from high-strength steel. Each component is equipped with two steel plate hooks to make assembling on lower frame lower. Side frame is secured by removable joint pins provided on the lower frame.

Shoe width: 1 220 mm wide is standard.

1 524 mm wide is option.

Drive unit : 2-track drive unit per side

frame.

Safety Device

■ Load Moment Indicator (LMI): The computerized system helps prevent overloads and provide safe and efficient control. Meets both EN

and BS standards.

Front-end Attachment. Erection Mode:

This is an internal function of the Load Moment Indicator (LMI). It gives a warning on the LMI panel that the crane has extended beyond its intended working area. Once the work outside the intended working area is completed, the system returns automatically to resume work in the

intended working range.

Hydraulic Boom Backstops:

These stops operate in conjunction with LMI to help prevent backward reaction, especially when operating with short boom lengths or against

winds.

■ Boom Over-hoist and Over-lowering Limiting Device:

This is a combination of two systems designed to enhance operating efficiency. One system is a limit switch that is incorporated into the boom foot to prevent over hoisting. The other is a part of the LMI that prevents over-hoisting or overlowering the boom. It includes automatic drum braking, hydraulic locks and alarm warnings.

■ Drum Locks :

Electrically operated pawl locks are provided as standard on all drums.

Symbols



Capacity



Sideframes



Counterweight



Lower Weight



Heavy Duty Boom



Long Range Boom



Luffing Jib

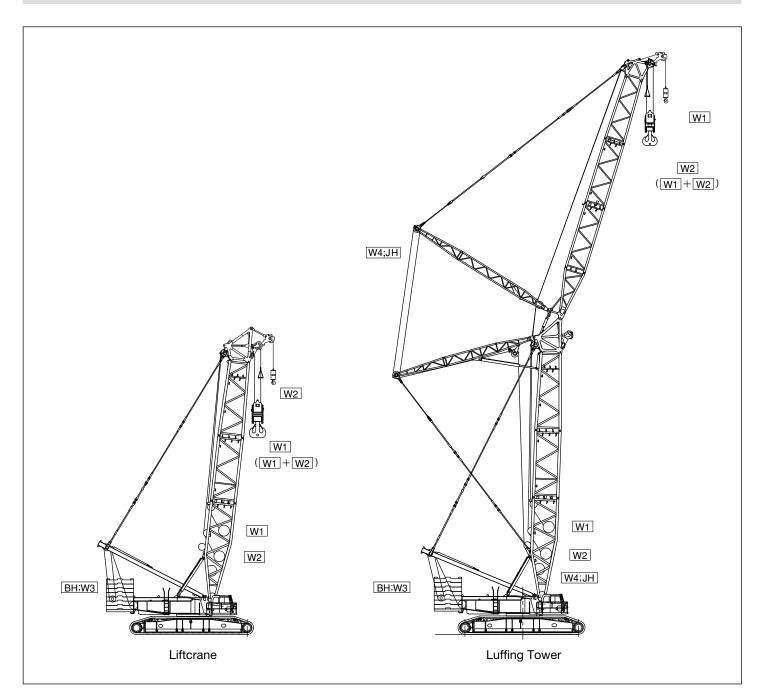


Heavy Duty Tip Extension



Working Radius

Winch Assingment



■ Hook Blocks

Hook blocks		Mass (kg)
550 t	280 t hook block plus a ten sheaves egualizer block	12 500
280 t	Ten sheaves	7 000
320 t	160 t hook block plus an eight sheaves equalizer block	7 900
160 t	Five sheaves	3 900
65 t	Two sheaves	* 3 000 / 2 000
15 t	Ball hook	950

^{*:} with auxiliary weight / without auxiliary weight