

RT 630C

Product Guide



ROUGH TERRAIN HYDRAULIC CRANE

Features

- MAX. CAPACITY (Outriggers) - 30.0 Tonnes at 3m Radius (85% Rating) 360° Slew
- MAX. CAPACITY (On Tyres) - 13.65 Tonnes at 3m Radius (85% Rating) over front
- BOOM - 4 Sec 8.8m - 29.0m
- MAXIMUM ROAD SPEED - 37 km/hr
- CARRIER - 4 X 4 Wheel Drive with 4 Wheel steer

Superstructure Specification

BOOM

8.8m – 29.0m four section, full power, telescopic, fully synchronized boom of rectangular sections slide on adjustable & replaceable low friction wear pads.

BOOM NOSE

Four nylatron sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards.

Maximum Tip Height: 31.2m.

BOOM ELEVATION

One double acting hydraulic cylinder with integral holding valve.

BOOM ANGLE

Maximum: 76°, Minimum: -3°.

SUPERSTRUCTURE FRAME

Fabricated from high tensile steel plates and sections.

SLEW SYSTEM

Ball bearing swing circle with 360° continuous rotation. Planetary glide-swing with foot applied multi-disc brake. Spring applied hydraulically released parking brake, mechanical house lock operated from cab.

SLEW SPEED

Maximum 2.0 RPM (Unladen).

HOIST SYSTEM

Power up and down equal speed, grooved drum, planetary reduction with automatic spring applied multi-disc brake. Hoist drum fitted with third wrap indicator.

Non spin hoist Rope: 16mm dia. & length 138m.

Line Speed: Top layer 110 m/min (Max) Unladen.

Maximum Permissible Line Pull: 4200 Kg.

HOOK BLOCK

30.0 Tonnes; 4 Sheaves – 8 falls.

COUNTERWEIGHT

Bolted on superstructure. Weight - 3810 kg.

OPERATOR'S CAB

Totally enclosed steel construction, full vision type cab with all crane functions control levers, driving controls, engine instrumentation & automotive type steering wheel. All windows fitted with toughened safety glass, lockable sliding door, cab interior light, circulating air fan, pantograph type electric wiper & electric horn.

LMI & A2B SYSTEM

Load Moment Indicator and Anti-Two Block system with audio-visual warning and control lever lock-out provides electronic display of boom angle, boom length, radius, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.

HYDRAULIC SYSTEM

Pumps

Two Section Gear pump driven through transmission PTO. Single Section Gear pump driven through engine PTO.

Valves

Precision 4 way double acting pilot operated control valves. Individual valve banks permit simultaneous control of multiple crane functions.

Filters

Return line filter with replaceable cartridge having full flow with by-pass protection and service indicator.

Reservoir

372 liters with spin-on breather filter, external sight gauge, oil temperature gauge, clean out access, strap mounted to frame.

Oil Cooler

Hydraulic cum transmission oil cooler is placed in front of radiator.

OPTIONAL EQUIPMENT

Fixed Swingaway Extension

7.9m Swingaway lattice boom extension stows alongside base boom section when not in use. Off settable at 0° or 30°.

Maximum tip height: 39.0m

Telescopic Swingaway Extension

7.9m to 13.7m telescopic swingaway lattice extension offsettable at 0° or 30° stows alongside base boom section when not in use.

Maximum tip height: 45.0m