

ROUGH TERRAIN GROVE CRANE

Topline Rough Terrain Crane incorporates all welded steel frame, using planetary drives axles to provide four-wheel drive. Axle steering is accomplished utilizing hydraulic steer cylinders. The engine is mounted at the rear of the crane and provides motive power through a six-speed forward and reverse transmission. Hydraulic, double box, sliding beam outriggers are integral with the frame.

The carrier frame incorporates an integral fifth wheel, to which the rear axle is mounted, to provide axle oscillation. Axle Oscillation lockout is automatic when the superstructure rotates from the travel position.

The superstructure is capable of 360° rotation in either direction. All crane functions are controlled from the fully enclosed Cab mounted on the superstructure. The crane is equipped with a four-section, cable-synchronized boom. Additional reach is obtained by utilizing an optional Swingaway boom extension. Lifting is provided by a main hoist and an optional auxiliary hoist.



MODEL RT600E GROVE CRANE

SPECIFICATIONS:

Capacity/Model: 50T / RT600E Grove Crane

Boom:

10.1m – 32m four-section full power synchronized boom
Max Tip Height: 34.1m (112 ft)

Boom nose: Quick-reeve type boom nose

Boom Elevation:

One double-acting hydraulic cylinder with integral holding valve elevation from -2° to 78°

Optional Fixed Swingaway Extension:

8.8m (29 ft) offsettable lattice swingaway extension.
Offsettable at 0°, 25° & 45°.
Max Tip Height: 43.1m (141.5 ft)

Optional Telescopic Swingaway Extension:

8.8m (29 - 51 ft) telescoping lattice swingaway extension.
Offsettable at 0°, 25° & 45°.
Max Tip Height: 49.3m (162 ft)

Cab:

Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout.

Counter Weight: 5556 kg pinned to superstructure

Swing:

Planetary swing with foot-applied multi-disc brake.
Optional 3600 mechanical swing lock
Max Speed: 2.5 rpm

Hydraulic System:

Three main gear pumps with combined capacity of 391L/min (103GPM), 511L/min (135GPM) with optional air conditioning.
Max Operating Pressure: 26.2 MPa (3500 psi)

Hoist Specifications (Main & Auxiliary Hoist)

Max single line pull: 8246 kg (18,180 lb)
Max single line speed: 179 m/min
Max permissible line pull:

7620 kg with standard 6 x 37 class rope
7620 kg with optional 35 x 7 class rope

Rope Diameter: 19 mm (¾ in)

Rope Length: 137m (145 ft)

Rope Type: 6 x 37 class EIPS IWRC

Optional Rope Type: 35 x 7 class rotation resistant

Maximum Usable Rope Stowage: 211m (694 ft)