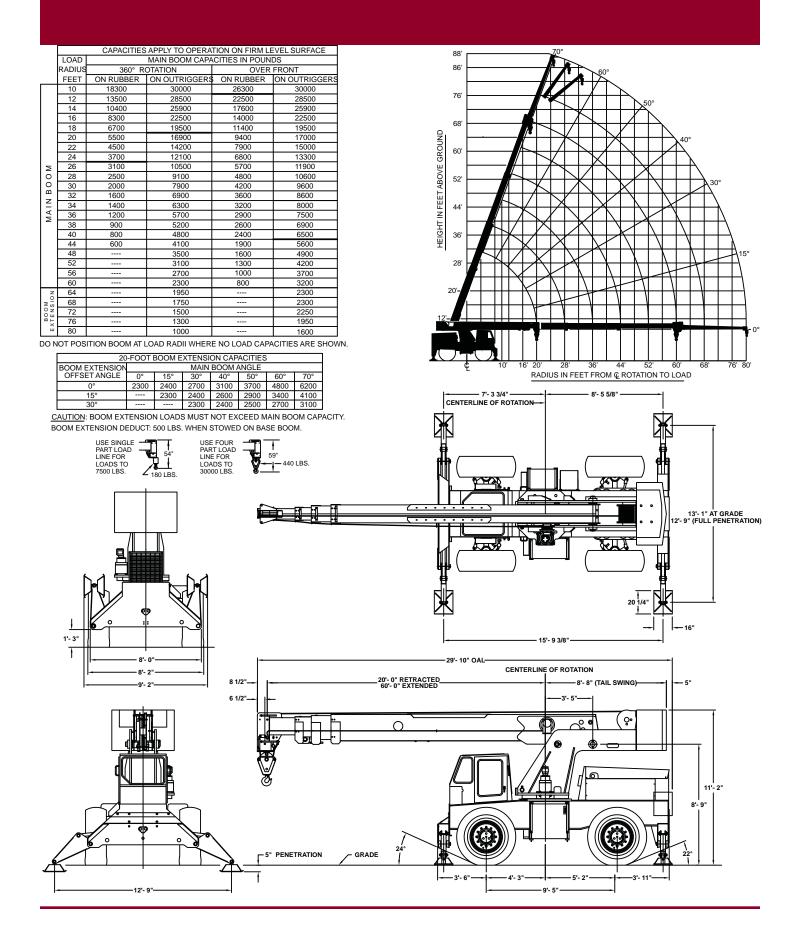




RT-300-E Rough Terrain Crane



RT-300-2E





RT-300-2E Specifications

GENERAL:

Weight:

 Total
 44,100 lbs.

 Front Axle
 22,600 lbs.

 Rear Axle
 21,500 lbs.

 Angle of Approach
 24 Degrees

 Angle of Departure
 22 Degrees

 Gradeability
 70 Percent Grade

Turning Radius: 4-Wheel Steer: (Min.)

Outside Tire C/L Radius 15 Feet 7 Inches Vehicle Clearance Circle (Dia.) 35 Feet 2 Inches **Drawbar Pull** 30,000 pounds

Road Speed 23 Miles Per Hour (Max.)

ENGINE:

Make Cummins

Model QSB 4.5 Turbo, U.S. EPA Tier 3 Certified

Type Turbo Diesel, Charge Air Cooled

C.I.D. 4.5L

Max. Torque 460 @ 1500 RPM Rated HP 160 @ 2500 RPM Fuel Tank 50-Gallon Capacity

TRANSMISSION

6-Speed Powershift with Torque Converter, Oil Cooler and Oil Filter

AXLES:

Front and Rear Axles:

Gear Ratio 16.42:1

BRAKES:

Service - 4-Wheel drum type with hydraulic booster

Parking - Spring-applied and hydraulically-released mounted on transmission

STEERING:

Hydraulic steering unit with two 3.5-inch cylinders attached to each axle. Allows limited steering when engine is not running. A switch on the control panel is used to select frontwheel steering, 4-wheel steering or crab steering. Electronic sensors and control box automatically align the steering when a new mode is selected.

TIRES:

Standard - 17.5 x 25, 20-Ply Rating Mud Lug.

CHASSIS:

Outriggers:

Four independently controlled swingdown design outriggers. The hydraulic cylinders are equipped with direct-connected holding valves.

OPERATOR COMPARTMENT:

Operator control station provides one-position access to all chassis and crane controls.

ELECTRICAL SYSTEM:

12-Volt DC System

Instrument Group:

Fuel, transmission oil temperature, voltmeter, engine oil pressure, water & hydraulic oil temperature gauges, and hourmeter.

Back-Up Alarm:

Provides pulsating sound from 97 dB alarm when ignition is on and transmission is in reverse.

Outrigger Alarm System:

Two-tone alarm is activated when "outrigger down" controls are operated.

HYDRAULIC SYSTEM:

Triple vane pump, mounted and driven by main transmission. Rated 9, 26 and 44 GPM at 3,000 PSI at 2,500 RPM engine speed. Hydraulic oil tank capacity of 70 gallons.

BOOM ASSEMBLY:

	Boom Movement	Boom Speeds
Rotation	Continuous	3.3 RPM
Elevation	0 - 70 Degrees	19 Seconds
Extension	40 Feet	24 Seconds

Boom Assembly:

Boom assembly equipped with bearing pads. Double-acting hydraulic cylinders, equipped with a holding valve, extend and retract the second and third boom sections. Double runs of high strength leaf chain extend and retract the fourth section. Boom angle indicator included on left side of boom. Twin, double-acting hydraulic cylinders control the boom elevation and are equipped with direct-connected holding valves.

Boom Rotation:

A heavy-duty ball bearing rotation gear with external teeth. Rotation is powered by the hydraulic motor and compound planetary gear drive. Spring-applied, hydraulically released brake and an overrunning load valve are provided. Hydraulic centerpost and electric slip rings allow continuous rotation.

Boom Hoist:

Turret Mounted Hydraulic Powered

Bare Drum Line Pull 10,000 Pounds

Wire Rope 375 Feet of 1/2-inch dia.

Line Speed:

Bare Drum 280 FPM Full Drum 370 FPM

4-Part-Line Sheave Block:

Double sheave block for four-part-line requirements.

Anti-Two-Block Device:

Prevents damage to hoist rope and/or machine components from accidentally pulling load hook against boom tip.

Rated Capacity Limiter:

Warns operator of impending overload with audible and visual signals. Prevents overloads by stopping boom functions that cause overloads. Displays boom length, angle, load radius, load and capacity.



RT-300-2E Options

Listed below are brief descriptions of options available for this product. Consult the RT-300-2E Engineering Spec for additional information.

ENGINE OPTIONS:

Engine Heater

Engine coolant heater installed to circulate warm water through engine, plugs into 120-volt AC.

Engine Side Covers

Quick detach, to fit fixed hood and grille.

TIRE OPTIONS:

Spare Wheel & Tire: 17.5 x 25, 20-Ply Tire

CHASSIS OPTIONS:

Lifting Eyes

Lifting eyes on corners of the chassis and the turntable so slings can be attached for lifting crane.

Towing Eyes

Consists of four eyes, two on the front and two on rear for towing.

Pintle Hook, Front

Pintle hook mounted on the front outrigger housing, 24-ton capacity.

Pintle Hook, Rear

Pintle hook mounted on the rear outrigger housing, 24-ton capacity.

OPERATOR COMPARTMENT OPTIONS:

All Weather Cab

Consists of rigid-mounted canopy section and two removable hinged doors. Includes heater with 2-speed fan, 12-volt electric windshield wiper. Defroster fan included.

Window Wiper - Top Window

12-volt electric wiper on top window operated with its own switch.

Operator Guard

Tubular steel weldment with heavy expanded steel mesh top & grille front section.

Operator Suspension Seat Seats Inc. - Cloth

Full-suspension with adjustments for height, tilt, fore/aft, operator weight with armrest angle adjustment.

Operator Suspension Seat Seats Inc. - Vinyl

Full-suspension with adjustments for height, tilt, fore/aft, operator weight with armrest angle adjustment.

Floor Mat

Vinyl mat with foam backing

Air Conditioning

Air Conditioning with R134 coolant.

ELECTRICAL OPTIONS:

Strobe Light

Yellow strobe light mounted on top of engine hood for high visibility.

Lighting Kit

Includes two modular, dual-beam headlights with turn signal lights. Taillights with brake and turn signal lights. Back-up lights and lights installed in back of the instrument gauges.

Boom Work Lights

One halogen work light mounted to boom to light boom tip and one work light mounted to turret to light ground under boom tip.

BOOM ATTACHMENT OPTIONS:

20-Ft. Offsettable Boom Extension

Boom stowable. Offsets include 0 (in-line),15 or 30 degree. Downhaul weight & hook option required.

Downhaul Weight & Hook

Downhaul weight and 5-ton swivel hook to use with the existing wedge socket for 1-part line.

Should you require an option or special equipment not listed please consult your dealer salesperson or BMC°.

BRODERSON®

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Specifications subject to change.

