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QUALITY  
DRILLING  
EQUIPMENT

**BLAST HOLE DRILL SERIES**

**C-550-DII**



**ENGINEERED LIKE NO OTHER DRILL IN THE WORLD.**

REICHdrill® • 99 TROY HAWK RUN HWY. • PHILIPSBURG, PA 16866 • P: 814-342-5500 • F: 814-342-1135  
[www.reichdrill.com](http://www.reichdrill.com)

# BLAST HOLE DRILL SERIES C-550-DII

The C-550-DII is tough, durable, and operator friendly, the C-550-DII outperforms the competition.

## RATED CAPACITY:

Rated capacity is for 5 in. to 6.75 in. (127 mm to 172mm) using rotary or down-the-hole hammer drilling for depths up to 210 ft. (64.0 m). Depending on tooling diameter and weight.

## STANDARD MOUNTING:

Standard mounting for the C-550-DII is a heavy-duty, REICHdrill® Series 325L, 23.62 in. (600 mm) wide Triple Grouser Type with 3 point oscillating suspension and a two speed hydraulically driven tram.

## PULLDOWN SYSTEM:

Up to 40,000 lb. (18,144 kg) bit loading capacity. Maximum hoist rate 207 fpm (63.1 m/pm). Maximum feed rate 123 fpm (37.5 m/min). REGEN increases feed rate to 197 fpm (60.0 m/min). Chains: Two heavy duty roller chains 2in. (51mm) pitch. Stroke: 34 ft. (10.4 m) for 30 ft. (9.14 m) drill pipe. 10 in. (254 mm) table opening.

## ROTARY HEAD:

0 to 135 rpm at 67,141 lbs/in (7,587 Nm) torque. (Based on 100% efficiency). Equipped with nylon guide shoes. Optional speeds and torques available.

## AIR COMPRESSOR:

900-1360 ICFM (25.5 – 38.6 m<sup>3</sup>/min) @ 125–500 PSI (8.6 – 34.4 Bar)

## POWER UNIT:

Caterpillar or Cummins 540 – 700 HP (403 – 522 kW) Fuel Capacity: 375 gal. (1419 L)

## MAST:

Heavy duty structural steel mast with angular stress members and steel plated reinforcement at high stress areas, total length 41 ft. 6 in. (12.7 m), raised and lowered by two 5.5 in (140 mm) diameter hydraulic cylinders equipped with safety counterbalance valves. Hydraulic powered mast lock pins are provided as standard equipment.

## LEVELING JACKS:

The C-550-DII utilizes three (3) leveling jacks, all 48 in. (1.2 m) stroke, with built-in safety checks and 24 in. (610 mm) diameter front jack pad, 18 in. (457 mm) diameter rear jack pads. All jacks are 5 in. (127 mm) diameter bore.

## DRILL PIPE HANDLING:

The standard C-550-DII is equipped with a 4 + 1 hydraulic indexing barrel loader to handle 30 ft. (9.1 m) drill pipe, 4 in. (102 mm) to 5.5 in. (140 mm) diameter. Hydraulic breakout and power tong system are standard. Also included is a 2,200 lb. (998 kg) fixed-over-hole winch for pipe handling. Optional loader configurations available.

## COOLING PACKAGE:

L&M Radiator Company MESABI cooling package sized for – 33 deg. F to 110 deg. F ( – 50 C to +45 C ) Ambient with electronic fan control to vary fan speeds Optional 130 deg F ( + 54 C ) package available.

## AIR FILTERS:

Individual heavy duty two stage dry type filters with a pre-cleaner for engine and compressor.

## NIGHT LIGHTING:

Nine (9), halogen and two (2) Xenon HID shock mounted floodlights illuminate the mast, work deck table, machinery deck, and ground area around the drill.

## OPERATOR'S STATION:

Isolated FOPS operator's cab & control station with air conditioning, sound abatement, & cab pressurization provided as standard.

## APPROXIMATE WEIGHT & DIMENSIONS:

**Weight:** 60,000 lbs. (27,216 kg) to 70,000 lbs. (31,751 kg)

**Width:** 10 ft. 0 in. (3.05 m)

**Height (mast down):** 13 ft. 2 in. (4.01 m)

**Height (mast up):** 46 ft. 9 in. (14.25 m)

**Length (mast down):** 51 ft. 9 in. (15.78 m)

**Length (mast up):** 31 ft. 3 in. (9.53 m)

## OPTIONAL EQUIPMENT:

- Compressor variable volume control
- REICHdrill Angle Drill Package for 0° to 30° angle holes in 5° increments.
- 9 gpm (34 L/min) water injection
- NVE dust control system
- Drill efficiency indicator
- Pipe thread greaser
- Centralized lubrication
- Wiggins "Quick-Fill" Service Center
- Full and partial walkways
- Export lift kit
- 2 person double cab and partial walkway
- Upgraded lighting package - LED
- Fire Suppression Systems
- Cold Weather Package
- Engine and compressor extended warranties

**A word about this datasheet:** Following publication of this catalog, certain changes in standard equipment, options, prices and the like, or production delays, may have occurred which would not be included in these pages. Consult REICHdrill® for up-to-date information. Rated capacity is based upon engineering specifications and calculations. This capacity will vary according to drilling conditions. We reserve the right to amend these specifications, prices and terms at any time without notice. The only warranty is our standard written warranty, REICHdrill® makes no other warranty expressed or implied and particularly makes no warranty of suitability for any particular purpose.

**MADE IN USA**

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