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QUALITY
DRILLING
EQUIPMENT

BLAST HOLE DRILL SERIES

C-750-D



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
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BLAST HOLE DRILL SERIES C-750-D

The **BIG ONE** drills holes up to 12.25 in. (312 mm) in diameter with a full 80,000 lbs. of pulldown pressure. With a total weight of over 70 tons, this rig is a real heavy hitter.

RATED CAPACITY:

Rated capacity is for 7.88 in. to 12.25 in. (200 mm to 312 mm) using rotary or down-the-hole hammer drilling for depths up to 237 ft. (72 m). Depending on tooling diameter and weight.

STANDARD MOUNTING:

Standard mounting for the C-750-D is a heavy-duty, REICHdrill® Series 345SL, 29.5 in. (750 mm) wide Triple Grouser Type with 3 point oscillating suspension and a two speed hydraulically driven tram.

PULLDOWN SYSTEM:

Up to 90,000 lbs. (40,824 kg) bit loading capacity with a maximum of rated pulldown of 80,000 lbs. (36,288 kg), 49,550 lbs. (22,475 kg) hoist capacity. Maximum hoist rate 161 fpm (49 m/pm). Maximum feed rate 90 fpm (27 m/pm). REGEN increases feed rate to 202 fpm (61 m/min). Chains: Two heavy duty roller chains 2.5 in. (63 mm) pitch. Stroke: 44 ft. (13.4 m) for 40 ft. (12.2 m) drill pipe. 13 in. (330 mm) table opening.

ROTARY HEAD:

Dual motor, 0 to 135 rpm at 134,942 lbs-in (15,248 Nm) torque. (Based on 100% efficiency). Equipped with nylon guide shoes. Optional speeds and torques available.

AIR COMPRESSOR:

1360-2700 CFM (38.5-76.5 m³/min) @ 100-500 PSI (6.9-34.4 Bar).

POWER UNIT:

Caterpillar or Cummins diesel engine, rated 700 HP to 1050 HP @1800 RPM with 800 gal. (3,028 L) fuel capacity.

MAST:

Heavy duty structural steel mast with angular stress members and steel plated reinforcement at high stress areas, total length 50 ft. (15.2 m), raised and lowered by two 7 in. (178 mm) diameter hydraulic cylinders equipped with safety counterbalance valves. Hydraulic powered mast lock pins are provided as standard equipment.

LEVELING JACKS:

The C-750-D utilizes three (3) leveling jacks, 8 in. (203 mm) bore x 48 in. (1.2 m) stroke with integral check valves. 26 in. (660 mm) rear pads, 38 in. (965 mm) front pad.

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.

DRILL PIPE HANDLING:

The standard C-750-D is equipped with a 4 + 1 hydraulic indexing barrel loader to handle 40 ft. (12.2 m) drill pipe up to 8.625 in. (219 mm) diameter. Hydraulic breakout and REICHdrill power tong system are standard. Also included is an 8,500 lb. (3,855 kg) fixed-over-hole winch for pipe handling. Optional loader configurations available.

AIR FILTERS:

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

NIGHT LIGHTING:

Twelve (12) halogen and four (4) Xenon HID shock mounted floodlights illuminate the mast, work deck table, machinery flood deck, walkways, and ground area around the drill.

OPERATOR'S CAB:

Large, isolated, angled two person FOPS operator's cab & control station allows operator to face drill table. Electric/hydraulic controls, air conditioning, sound abatement, & cab pressurization are provided as standard.

APPROXIMATE WEIGHT & DIMENSIONS:

Weight: 180,000 lbs. (81,648 kg)
Width: Shipping 14 ft. (4.3 m) • Operating 22ft. 5 in. (6.8 m)
Height (mast down): 18 ft. 7 in. (5.7 m)
Height (mast up): 59 ft. 10 in. (18.2 m)
Length (mast down): 61ft.11in.(18.9 m)
Length (mast up): 46 ft. 2 in. (14.1 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
- Fire suppression systems
- Wiggins "Quick-Fill" Service Center
- Full and partial walkways
- Export lift kit
- Upgraded Lighting Package - LED
- 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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