



reichdrill
EUROFORGROUP

QUALITY
DRILLING
EQUIPMENT

BLAST HOLE DRILL SERIES

C-700-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
www.reichdrill.com

BLAST HOLE DRILL SERIES C-700-D

The C-700-D offers 50,000 lbs. of down pressure for a variety of jobs in the open pit environment.

RATED CAPACITY:

Rated capacity is for 6 in. to 9 in. (152 mm to 229 mm) using rotary or down-the-hole hammer drilling for depths up to 245 ft. (75 m). Depending on tooling diameter and weight.

STANDARD MOUNTING:

Standard mounting for the C-700-D is a heavy-duty, REICHdrill® Series 330EL, 23.6 in. (600 mm) wide Triple Grouser Type with 3 point oscillating suspension and a two speed hydraulically driven tram.

PULLDOWN SYSTEM:

Up to 60,000 lbs. (27,216 kg) bit loading capacity with a maximum of rated pulldown of 50,000 lbs. (22,680 kg), 30,000 lbs. (13,608 kg) hoist capacity. Maximum hoist rate 262 fpm (80 mpm). Maximum feed rate 133 fpm (40.5 mpm). REGEN increases feed rate to 260 fpm (79 m/min). Chains: Two heavy duty roller chains 2 in. (51 mm) pitch. Stroke: 34 ft. (10.4 m) for 30 ft. (9.14 m) drill pipe or 40 ft. (12.2 m) for 35 ft. (10.7 m) drill pipe.

ROTARY HEAD:

Dual motor, 0 to 135 rpm at 119,948 lbs-in (13,554 Nm) torque. (Based on 100% efficiency). Equipped with nylon guide shoes. Optional speeds and torques available.

AIR COMPRESSOR:

1070 -1700 CFM (30.3 m3/min-48.1m3/min) @ 125-500 PSI (8.6 -34.4 Bar).

POWER UNIT:

Caterpillar or Cummins diesel engine, rated 540 HP to 860 HP (403 -641 Kw) @ 1800 RPM with 600 gal. (2271 L) fuel capacity.

MAST:

Heavy duty structural steel mast with angular stress members and steel plated reinforcement at high stress areas, total length 42 ft. (12.8 m) raised and lowered by two 6.5 in. (165 mm) diameter hydraulic cylinders equipped with safety counterbalance valves. Hydraulic powered mast lock pins are provided as standard equipment. Extended mast option available.

LEVELING JACKS:

The C-700-D utilizes three (3) leveling jacks, 6.5 in. (165 mm) bore x 48 in. (1.2 m) stroke with integral check valves. 24 in. (610 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-700-D is equipped with a 4 + 1 hydraulic indexing barrel loader to handle 30 ft. (9.1 m) drill pipe up to 7.625 in. (194 mm) diameter. Hydraulic breakout and REICHdrill power tong system are standard. Also included is an 8,500 lb. (3856 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:

Eleven (11) halogen and four (4) Xenon HID shock mounted floodlights illuminate the mast, work deck table, machinery deck, walkways, and ground area around the drill.

OPERATOR'S CAB:

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

APPROXIMATE WEIGHT & DIMENSIONS:

Weight: 120,000 lbs (54,432 kg) to 130,000 lbs. (59,020 kg)
Width: 12 ft. 11 in. (3.9 m)
Height (mast down): 14 ft. 6 in. (4.4 m)
Height (mast up): 44 ft. (13.4 m)
Length (mast down): 45 ft. 3 in. (13.8 m)
Length (mast up): 35 ft. 3 in. (10.8 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**

99 TROY HAWK RUN HWY. • PHILIPSBURG, PA 16866 • P: 814-342-5500 • F: 814-342-1135 • www.reichdrill.com