



MADE IN USA

REICHdrill, Inc.

QUALITY DRILLING EQUIPMENT

A DIVISION OF HUGHES DRILLING, LTD

BLAST HOLE DRILL SERIES

T-650-DII



ENGINEERED LIKE NO OTHER DRILL IN THE WORLD.

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www.reichdrill.com

BLAST HOLE DRILL SERIES T-650-DII

The T-650-DII offers high mobility, high productivity, and legendary toughness.

RATED CAPACITY:

Rated capacity is for 5 in. to 6.75 in. (127 mm to 172 mm) using down-the-hole hammer drilling for depths up to 200 ft. (61 m). Depending on tooling diameter and weight.

STANDARD MOUNTING:

Standard mounting for the T-650-DII is a heavy-duty, three axle truck with 20,000 lb. (9,072 kg) front, 46,000 lb. (20,865 kg) rear axles, and 505 HP (373 kW) diesel engine, and 10 speed transmission.

PULLDOWN SYSTEM:

Up to 35,000 lb. (15,876 kg), bit loading capacity. Maximum hoist rate 175 fpm (53.4 m/min). Fast feed rate 123 fpm (37.5 m/min). REGEN increases feed rate to 210 fpm (64 m/min). Chains: Two heavy duty roller chains 1.75 in. (44 mm) pitch. Stroke: 28 ft. (8.5 m) for 25 ft. (7.6 m) drill pipe. 10 in. (254 mm) table opening.

ROTARY HEAD:

0 to 106 rpm at 76,760 lbs-in (8,673 Nm) torque. (Based on 100% efficiency). Equipped with nylon guide shoes. Optional speeds and torques available.

AIR COMPRESSOR:

750-1070 ICFM (21.5–30.3 m³/min) @ 125–500 PSI (8.6 – 34.4 Bar)

POWER UNIT:

Caterpillar or Cummins 540 – 580 HP (403 – 433 kW) Fuel Capacity: 175 gal. (663 L) Fuel capacity may be affected by available under deck space.

MAST:

Heavy duty structural steel mast with angular stress members and steel plated reinforcement at high stress areas, total length 34 ft. 4 in. (10.8 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.

LEVELING JACKS:

The T-650-DII utilizes three (3) leveling jacks, all 48 in. (1.2 m) stroke, with built-in safety checks and 18 in. (457 mm) diameter jack pads. All jacks are 5 in. (127 mm) diameter bore.

DRILL PIPE HANDLING:

The standard T-650-DII is equipped with a 4 + 1 pod hydraulic indexing barrel loader to handle 25 ft. (7.6 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:

Six (6), 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 CAB:

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

APPROXIMATE WEIGHT & DIMENSIONS:

Weight: 60,000 lbs. (27,240 kg)
Width: 8 ft. 3 in. (2.52 m)
Height (mast down): 13 ft. 8 in. (4.17 m)
Height (mast up): 41 ft. 2 in. (12.56 m)
Length (mast down): 41 ft. 4 in. (12.61 m)
Length (mast up): 39 ft. 4 in. (12 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
- Export packaging
- Upgraded lighting package - LED
- Cold weather package
- Fire suppression systems
- 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.

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