

SKYCREST

B54 DRILL



Hydraulic Feed System

Pulldown force: 16,000 lbs [7,257.5 kg]
Retract force: 24,000 lbs [10,886.2 kg]
Feed speed, down: 0-71 ft/min [21.6 m/min] Feed speed, retract: 0-48 ft/min [14.6 m/min] Feed stroke: 13 ft [3.96 m]
Angle Drilling
In-out slide base: 10 in [254 mm] of travel
Adjustable auger guide support

Power Unit

Deck engines: Cummins, Deutz Diesel
PTO: Transmission or transfer case
Hydraulic Pumps
Primary pump: 36 gpm [136.3 l/min]
Auxiliary pump: 24 gpm [90.9 l/min]

Drill Head Rotary

STANDARD HEAD 10-SPEEDS
Open bore: 4-5/8 in [118 mm] Maximum rotary speed: 856 rpm
Maximum torque: 8,611 ft-lb [11,675 Nm]
On board air compressor
2.63 M3 Heated water tank

Estimated Operating Capacities

(Standard Rotary Head)
Hollow stem augers, 3-1/4 in [82.6 mm] ID: 150 ft [45.7 m]
Continuous flight auger, 6 in [152.4 mm] OD: 300 ft [91.4 m]
Continuous flight auger, 14 in [355.6 mm] OD: 60 ft [18.3 m]
Rotary drilling, 2-7/8 in [73 mm] OD drill rod: 1,500 ft [457 m] Diamond core drilling, N Wireline: 1,200 ft [365.8 m]
Note: Above drilling capacities may vary according to subsurface conditions and rotary head option.

SPT Automatic Hammer

ASTM D-1586 standards, standard duty and heavy duty 140 lb [63.5 kg]
Hydraulic self compensating

Leveling Jacks

Single front/dual rear, 24 in [609.6 mm] or 36 in [914.4 mm] stroke

Hoist

MAIN—SINGLE LINE CAPACITY: 8,500 lbs [3,855.5 kg]
Line speed: 0-75 fpm [0-22.9 mpm]
Line speed - Reverse: 0-325 fpm [0-99.06 mpm]
Cable diameter: 1/2 in (.500) [12.7 mm]
Cable length: 100 ft [30.5 m] standard

AUXILIARY—SINGLE LINE CAPACITY: 4,500 lbs [2,041.2 kg]
Line speed: 0-135 fpm [41.2 mpm] Cable diameter: 5/16 in (.325) [8.3 mm] Cable length: 75 ft [22.9 m] standard

SAFE-T DRIVER—SINGLE LINE CAPACITY: 900 lbs [408.2 kg]
Line speed: variable up, freefall down Cable diameter: 1/4 in (.250) [6.4 mm] Cable length: 300 ft [91.4 m] standard

WIRELINE—SINGLE LINE CAPACITY: 1,200 lbs [544.3 kg]
Line speed: 0-500 fpm [0-152.4 mpm] Cable diameter: 3/16 in (.185) [4.7 mm] Cable length: 400 ft [121.9 m] standard Winch capacity: 3,500 ft [1,066.8 m] cable

Equipped with:

- Make/break rod clamp system
- Break-out wrench
- Single rod loader
- Water pumps
- Rod trough
- Auger/rod rack - Above deck combination
- Auger rack - Under body swing out
- Auger rack - Front mounted
- Tool guide
- Driller platform

Mounted on Rubber tracked Morooka 1500 carrier

Weight 29,000 lb's (13,154 kg)
of wheels or track width 16 wheels p side/ Track 27" (.685m) x 11' (3.35m) on ground
Wheelbase 6' (1.83m)
Width 8' / 2.43m
Ground Pressure 4.07 p.s.i