



Model HH

MACHINE SPECIFICATIONS

Auxiliary Engine:

STANDARD

MAKE: John Deere

MODEL: 4045T, Balanced diesel engine

RATED H.P.: 100

RATED R.P.M.: 2,500

MAXIMUM TORQUE: 274 ft./lb.

OPTIONAL

Highway will work with the following:

- Caterpillar
- Cummins
- Detroit
- Deutz
- Ford
- Perkins

Consult factory for models available.

Digger Drive:

Sundstrand 90 series pump

Poclain variable speed motor

Fuel Source:

STANDARD

Fuel supplied by chassis fuel tank
(diesel/diesel)

OPTIONAL

50 Gallon fuel tank with mechanical gauge

Torque & R.P.M.:

STANDARD

22,600 ft./lbs. (maximum)

0-98 RPM

Kelly Bar:

3" solid square bar with rounded corners

4140 tool steel, heat treated

1½" auger pin hole

Auger Capacity:

56" Intermittent

36" Continuous

Hole Depths:

STANDARD

10'

OPTIONAL

Up to 25'

Final Drive:

Special design pinion with a 16" ring gear

Steel carrier with replaceable bronze thrust plates
and remote bar seals

Hydraulic System:

100 G.P.M. tandem gear pump

2,100 P.S.I. main system pressure

115 gallon oil reservoir

In tank suction strainers

In tank return filter

Hydraulic oil cooler

Boom Leveling:

STANDARD

20 DEGREES LEFT

45 DEGREES RIGHT

15 DEGREES OVER VERTICAL

Options available, consult factory for special applications.

Cab Guard:

OPTIONAL

4" "C" Channel with expanded metal top and tread
plate bottom

Options available, consult factory for special applications.

Turntable Base:

STANDARD

95" diameter, 4" ship & car channel rolled ring
240 degree rotation
120 series chain run through hydraulic speed reducer

OPTIONAL

- #1. 35 Degree Pivot base. 100" travel with 36" slide.
- #2. Fixed base.

Outriggers:

STANDARD

Rear "A" frame

OPTIONAL

Straight down jacks
Two sets of "A" Frame outriggers
Spring lockouts

Pivot Base:

Constructed of 6" wide flange I-beam 25 lbs./ft.
Full length greasable main frame guides

Main Frame:

Constructed of 6" wide flange I-beam 25 lbs./ft.
36 inches of In/Out slide travel

Feed Ram:

4¼" I.D. X 5¼" seamless hydraulic honed tubing
35,400 ft./lbs. Crowd force. Maximum
22,900 ft./lbs. Retract force. Maximum

Mast:

6" x 6" x ¼" Square tubing

Telescoping Derrick:

OPTIONAL

- #1. 6' Telescoping derrick
- #2. 9' Telescoping derrick

Pole Guides:

OPTIONAL

- #1. Mechanical linkage fixed pole guides with side rollers
- #2. Mechanical linkage tilting pole guides with side rollers

Winch:

OPTIONAL

Planetary winch 10,000 lb. On first wrap.
125' of 7/16" wire rope

Tool Circuit:

OPTIONAL

- #1. Fixed position tool circuit with control valve.
- #2. Tool circuit with hose reel 25' hydraulic hose.

Oil Tank:

115 Gallon hydraulic reservoir with baffles & suction strainers

Location can be altered, consult factory.

Water Tank:

OPTIONAL

- #1. 100 Gallon steel, poly or aluminum.
- #2. 200 Gallon steel, poly or aluminum.

Auger Storage:

OPTIONAL

- #1. Auger drop box, located curb side.
- #2. Auger stakes. (location to be determined)

Tunnel Storage:

OPTIONAL

Enclosed tunnel storage with lockable rear door
Fabricated from sheet or expanded metal

Digger Weight:

Base weight digger only 12,500 lbs. (approx.)

Chassis or Carrier:

84" Cab to Axle minimum
26,000 GVW Single axle minimum

Other Options:

Paint colors, Tool boxes, Trailer hitches, Panel lights,
Work lights, Safety lighting, Grounding systems,
Auger adapters & extension, Augers, Tooling,
Hydraulic tools, Outrigger pads, Wheel chocks,
Front winches.

NOTE: all dig depths are based on a 36" chassis frame height and 36" long auger.

HIGHWAY MANUFACTURING

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