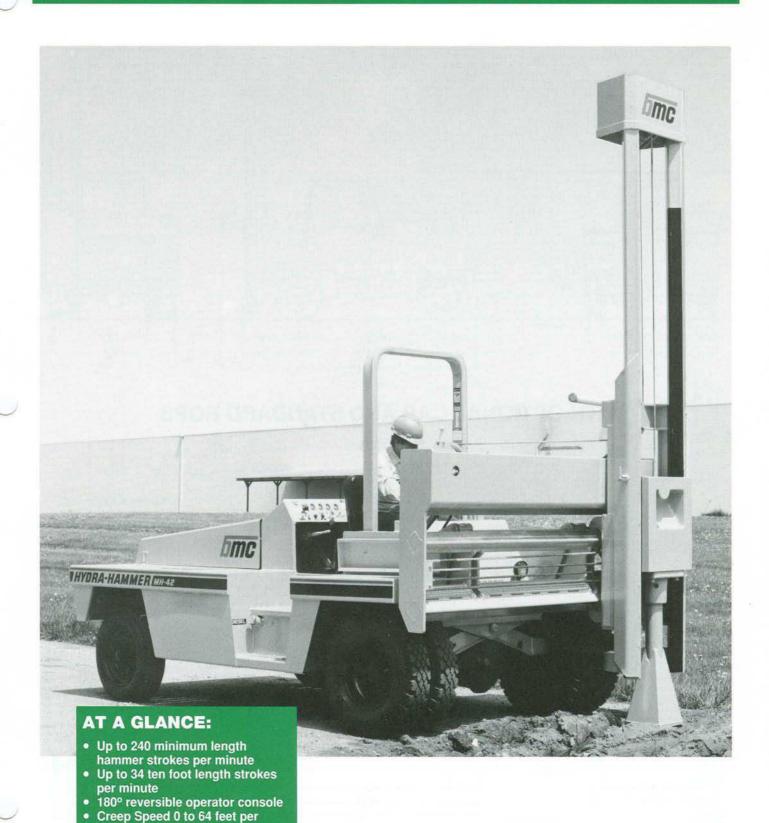
# MH-42-F





P.O. Box 14770, Lenexa, KS 66285-4770 (913) 888-0606 • FAX (913) 541-0690

10° chassis tilt in either direction

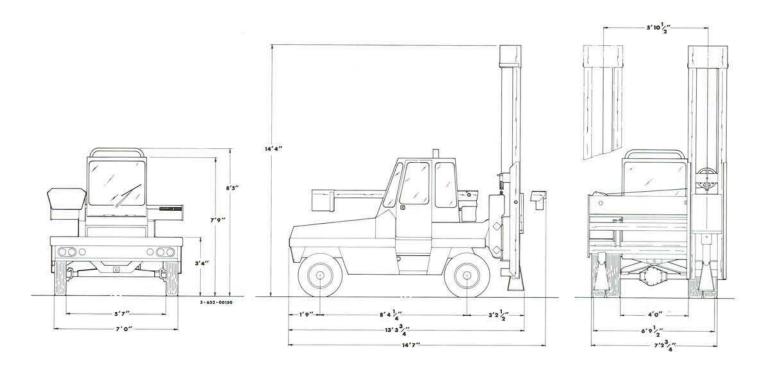
• 81 1/2"horizontal tower traverse

**Dual range hammer control** 

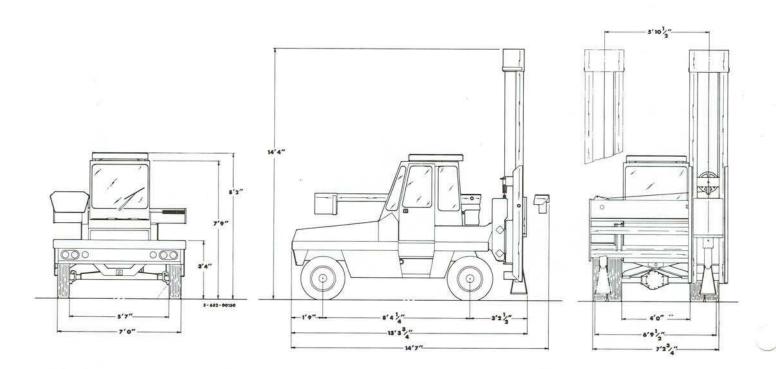
minute

working travel

# MH-42-F



# WITH OPTIONAL CAB AND STANDARD ROPS



# WITH OPTIONAL CAB AND OPTIONAL ROPS-FOPS



### General:

Weight

9.720 pounds

Overall Length:

Working Position 13 feet 3 inches
Travel Position 14 feet 7 inches
Overall Width 7 feet 8 inches

Overall Width
Overall Height:

Working Position
Travel Position

14 feet 4 inches 8 feet 5 inches

# **Engine:**

Standard Optional Optional Make Ford Deere Cummins CSG-649 4239D 4B3 9 Model Diesel Type Gas Diesel No. of Cyl. Displacement 300 CID 239 CID 239 CID HP @ Governed

Speed Fuel Tank:

Capacity - 30 gallons

78

75

# **Transmission:**

Two-Speed, Warner Gear, Model T-18

112

| Gear Ratio | Road Speeds | 1st | 6.32:1 | 5.5 MPH | 2nd | 3.09:1 | 11.0 MPH | Rev. | 6.98:1 | 5.0 MPH | Maximum Road Speed | 11.0 MPH |

# **Transmission Creep Interlock:**

Kills engine when the transmission is inadvertently engaged while creep mechanism is engaged.

#### Creep Gearbox:

Equipped with hydraulic motor for creep drive, with forward and reverse speeds from 0 to 64 FPM.

Gear ratio 5.28:1.

#### Axles:

Front: Non-driving steering axle with 67 inch inside tire dimension

Rear: Driving axle, single-reduction hypoid gear ratio of 6.17:1 with

dual tires, 48 inch inside tire dimension

#### **Brakes:**

Front: Disc type (non-driving steering axle)

Rear: Drum type, shoes 12 inches x 3 inches

Parking: Rear service brakes engaged by over-center lever

#### Tires:

Front: 8.00 x 16.5, load range D, (8 ply rating)

highway tread, tubeless

Rear: 7.50 x 16, load range D, (8 ply rating) Mud & Snow Tubeless

#### Steering:

Full hydraulic steering unit with two inch cylinder attached to front axle. Reversing valve and linkage automatically reverses power steering hydraulic circuit when operator's station is turned 180 degrees. Provides machine movement which corresponds with direction the steering wheel is turned.

# **Chassis Tilt:**

Double-acting hydraulic cylinder actuates driving axle to affect ten degrees chassis tilt and tower leveling ability.

# **Control Station:**

Provides manually actuated hydraulic controls for tower elevation, tower-traverse, chassis creep, hammer actuation, steering, brakes, and clutch. Also provides manual foot throttle, hand throttle, creep engage lever and parking brake. Automatic hammer control is also located in the control station.

# **Rollover Protective Structure:**

This standard tubular steel ROPS structure welds to chassis and meets SAE J1040.

# **Electrical System:**

12 Volt D.C.

Battery:

Gas Units: 0

Group 27, 540 CCA rating. Group 31, 950 CCA rating.

#### Instrument Group:

Located at operator's station and includes fuel gauge, ammeter, oil pressure, water temperature gauges and hour meter.

#### Lighting Group:

Consists of two sets of 12 volt lamps, one set at either end of machine; integral tail, brake, and turn signal lights in rear; front turn signals and emergency flashers. Driving lights provide high and low beam. 12 volt horn included.

#### Back-Up Alarm:

Provides pulsating sound from 97 dB alarm when ignition is on and transmission is in reverse.

# **Hydraulic System:**

Tandem pump, direct-driven by engine crankshaft, rated at 32.5 and 16 GPM at governed RPM. Hydraulic oil tank capacity of 40 gallons. System includes a heavy-duty oil cooler.

#### Tower:

#### Tower Elevation:

Double-acting hydraulic cylinder provides full-power positioning of tower from horizontal stowed position to five degrees past vertical.

#### **Tower Traverse:**

Hydraulic motor-driven chain and sprocket system provides positive placement of tower structure. Maximum horizontal working distance with chassis level is 81 1/2 inches.

#### Hammer:

### **Automatic Hammer Control:**

Solid-state electronic timing device provides control for hammer stroke. Up to 240 minimum length strokes and up to 34 ten foot strokes per minute.

#### **Dual-Range Hammer Control:**

Allows the operator to shift from high range to low range operations which has substantially more pull-up power.

#### **Hammer Actuation:**

The weight is raised by a single-acting, horizontally mounted hydraulic cylinder, working through a floating self-compensating wire rope and sheave system. The cylinder is equipped with hydraulic cushion and long life, low-friction seals.

#### Hammer Weight:

Cast iron, equipped with heat-treated steel tool holder. The hammer weight, less tools, is 1,075 pounds.

# MH-42-F

Listed below are brief descriptions of each option available for the MH-42-F HYDRA-HAMMER. Consult the MH-42-F Engineering Spec for additional information on each option.

# **OPTIONS:**

#### **Engine & Engine Accessories Options:**

John Deere Diesel Engine Model 4239, 4-cyl., 239 CID, rated 78 HP at governed speed

**Cummins Diesel Engine** Model 4B3.9, 4-cyl., 239 CID, rated 75 HP at governed speed

**Engine Shut Down Gauges** Shuts engine off when high water temperature or low engine oil pressure occurs

**Engine Heater** Engine coolant heater installed to circulate warm water through engine, plugs into 120 volt AC

Ether Injection System Ether starting aid controlled by switch in operator compartment and injects ether directly into intake manifold

#### Tires:

#### Spare Wheel & Tire Options:

- Front non-driving axle, wheel & tire
- Rear driving axle, wheel & tire

### Chassis Accessories and Options:

**Tool Tray** 

Welded to front of chassis for carrying blades and round demolition punch

10. Tool Box

Box with hinged lid, mounts into right-hand deck, 36" long x 17" wide x 9" deep

11. Tamper Carrier

Tubular structure welds in front of chassis and allows tamper stem to be inserted into tube and carried

12. Rear View Mirror

Mirror mounts to left-hand front corner of operator's station

Operator's Compartment Accessories and Options:

13. Rollover Protective Structure (ROPS) with FOPS

Tubular steel structure welds to chassis and meets SAE J 1040C for ROPS and SAE J 1043 for FOPS

14. All Weather Cab

Rugged, mounted to operator's compartment. Includes tinted safety glass, removable door with keyed lock, hot-water heater, electric windshield wiper, defroster fan, locking fuel and hydraulic reservoir caps.

15. Vandalism Kit

Locking steel dashboard covers for protection of all gauges, knobs and switches. Also includes locking fuel and hydraulic reservoir caps, and locking engine compartment.

16. Remote Brake Actuator

Allows operation of vehicle service brakes when operator's seat is in the rear facing position

17. Lighted Instrument Gauges

Instrument gauges equipped with lights for night operation

18. Speedometer

Speedometer for gas or diesel engines

19. Dome Light

Interior light installed for units equipped with an all weather cab

#### **Tools Options:**

20. Frost Chisel

Tapered blade 16 inches long for frozen earth

21. Round Demolition Punch

4 1/2 inch diameter by 21 inches long punch of heat-treated steel, hard face. For heavy duty demolition.

#### Tamper Heads:

Tamper Head, 39 Inches long

121 square inches of square tamping area

Tamper Head, 75 Inches long

121 square inches of square tamping area

#### 24. Blade Holder

Required for use with asphalt, demolition and scoring blades

25. Super Duty Flexpin Kit

Used to attach tools into tool holder, Includes super duty flexpin and tool for removal.

#### **Blades Options:**

Asphalt Blades:

Used for breaking/cutting asphalt over rock base. The blades have long taper cutting edge.

- 26. 1 1/16 inch thick, 10 inches long and 7 inches wide
- 27. 1 1/16 inch thick, 12 inches long and 7 inches wide

#### **Demolition Blades:**

Used for breaking to a controlled saw or scored line. The blades have a blunt edge with hard-surface weld.

- 28. 1 1/16 inch thick, 10 inches long and 7 inches wide
- 29. 1 1/16 inch thick, 14 inches long and 7 inches wide

30. Scoring Blade

Used for scoring concrete. The scoring blade has a short taper cutting edge. The blade is 1 1/16 inch thick, 10 inches long and 7 1/2 inches wide.

31. Flexpin Kit

Used to attach above blades to the blade holder. The kit incudes six (6) flexpins and a tool for flexpin removal.

Should you, as an end user, require an option or special equipment on your MH-42-F that is not listed on our sales literature, please contact your dealer salesperson or the factory to receive a special quoted price.



(913) 888-0606 • FAX (913) 541-0690

