

HIGHWAY

Pressure Diggers &
Foundation Drills

Helping You
Dig Deeper
Since 1926



MADE IN THE
GREAT USA



Highway Manufacturing is
proudly owned & operated
by ABM Equipment.

HIGHWAY[®]



HM-38 Pressure Digger



Key Features & Benefits

- Mechanical drive system
- 65,000 ft/lbs (88,128 Nm) rotational torque
- John Deere 134 HP (100 Kw) auxiliary diesel engine
- Five (5) year warranty on final drive
- Will mount on single rear axle chassis or a variety of other specialty carriers
- Standard 3" (76.2mm) solid kelly bar
- Digging depths to 25' (7.62m) deep
- Hole diameters to 72" (1.83m)
- Easy operator setup and operation
- Command center operators chair
- Optional pole setting features



Highway Manufacturing HM-38 Pressure Digger

EQUIPMENT SPECIFICATIONS

<u>John Deere Diesel Engine</u>	134 HP	100 Kw		Other engine makes available	
<u>Max Rotary Torque Rating</u>	65,000 ft/lbs	88,128 N-m	<u>Optional</u>		
<u>Rotary RPM Rating</u>	0-233 RPM variable speed				
<u>Standard Kelly Bar</u>	3" solid	76.2mm	<u>Optional</u>	4.5" internally sealed	114.3mm internally sealed
<u>Kelly Bar Crowd Force</u>	28,000 lbs max				
<u>Retract Force</u>	11,400 lbs maximum				
<u>Standard Digging Depth</u>	10'	3.05m	<u>Optional</u>	Up to 25'	Up to 7.62m
<u>Auger Capacity</u>	72"	1.83m			
<u>Turntable Base</u>	240 degree	240 degree			
<u>Mainframe Travel</u>	36"	914.4mm			
<u>Outriggers</u>	Rear A frame	Rear A frame	<u>Optional</u>	Straight down and out and down	Front A frame
<u>Fuel Capacity</u>	Off of chassis		<u>Optional</u>	50 gallon	189.27 L
<u>Basic Unit Weight</u>	14,500 lbs	6,577.01 kg			

OPTIONAL EQUIPMENT SPECIFICATIONS

<u>Polesetter Package</u>	Fixed or 6' telescoping	Fixed or 1.83m telescoping
<u>Service Winch</u>	12,000 lb capacity	5,443.1 kg capacity
<u>Water Tank</u>	100 gallon poly or steel	378.5 L poly or steel
<u>Outboard Leveling</u>	20 degree to 20' & 10 degree to 30'	20 degree to 6.1m & 10 degree to 9.15m
<u>Hydraulic Tool Circuit</u>	Fixed location	Fixed location
<u>Hydraulic Hose Reel</u>	50' hydraulic hose	15.24m hydraulic hose
<u>Augers & Tooling</u>	Auger Storage	Auger Adapters & Extensions
<u>Tool Boxes & Storage</u>	Tunnel Storage	Work & Safety Lighting
<u>Outrigger Pads</u>	Wheel Checks	Front Winches & Capstan Hoists
<u>Air Compressors</u>	Generator & Invertors	Cab Guards



333 2nd Street NE
Hopkins, MN 55343

Phone: 952-938-2889
www.highwaymfg.com

Manufacturer specifications subject to change without notice.

HFMS Pressure Digger



Key Features & Benefits

- Mechanical drive system
- 65,000 ft/lbs (88,128 Nm) rotational torque
- John Deere 134 HP (100 Kw) auxiliary diesel engine
- Five (5) year warranty on final drive
- Will mount on single rear axle chassis or a variety of other specialty carriers
- Standard 4.5" (114.3mm) internally sealed kelly bar
- Digging depths to 25' (9.15m) deep
- Hole diameters to 72" (1.83m)
- Easy operator setup and operation
- Command center operators chair
- Optional pole setting features



Highway Manufacturing HFMS Pressure Digger

EQUIPMENT SPECIFICATIONS

<u>John Deere Diesel Engine</u>	134 HP	100 Kw		Other engine makes available	
<u>Max Rotary Torque Rating</u>	65,000 ft/lbs	88,128 N-m	<u>Optional</u>		
<u>Rotary RPM Rating</u>	0-233 RPM variable speed				
<u>Standard Kelly Bar</u>	3" solid	76.2mm	<u>Optional</u>	4.5" internally sealed	114.3mm internally sealed
<u>Kelly Bar Crowd Force</u>	22,700 lbs max				
<u>Retract Force</u>	11,900 lbs maximum				
<u>Standard Digging Depth</u>	10'	3.05m	<u>Optional</u>	Up to 30'	Up to 9.15m
<u>Auger Capacity</u>	72"	1.83m			
<u>Turntable Base</u>	240 degree	240 degree			
<u>Mainframe Travel</u>	36"	914.4mm			
<u>Outriggers</u>	Rear A frame	Rear A frame	<u>Optional</u>	Straight down and out and down	Front A frame
<u>Fuel Capacity</u>	Off of chassis		<u>Optional</u>	50 gallon	189.27 L
<u>Basic Unit Weight</u>	14,500 lbs	6,577.01 kg			

OPTIONAL EQUIPMENT SPECIFICATIONS

<u>Polesetter Package</u>	Fixed or 6' telescoping	Fixed or 1.83m telescoping
<u>Service Winch</u>	12,000 lb capacity	5,443.1 kg capacity
<u>Water Tank</u>	100 gallon poly or steel	378.5 L poly or steel
<u>Outboard Leveling</u>	20 degree to 20' & 10 degree to 30'	20 degree to 6.1m & 10 degree to 9.15m
<u>Hydraulic Tool Circuit</u>	Fixed location	Fixed location
<u>Hydraulic Hose Reel</u>	50' hydraulic hose	15.24m hydraulic hose
<u>Augers & Tooling</u>	Auger Storage	Auger Adapters & Extensions
<u>Tool Boxes & Storage</u>	Tunnel Storage	Work & Safety Lighting
<u>Outrigger Pads</u>	Wheel Chocks	Front Winches & Capstan Hoists
<u>Air Compressors</u>	Generator & Invertors	Cab Guards



333 2nd Street NE
Hopkins, MN 55343

Phone: 952-938-2889
www.highwaymfg.com

Manufacturer specifications subject to change without notice.

HHF Pressure Digger



Key Features & Benefits

- Hydrostatic drive with rapid spinoff
- 39,000 ft/lbs (52,877 Nm) rotational torque standard
- John Deere 134 HP (100Kw) auxiliary diesel engine
- Optionally PTO powered from chassis or carrier engine
- Five (5) year warranty on final drive
- Will mount on single rear axle chassis or a variety of other specialty carriers
- Standard 3" (76.2mm) solid kelly bar with optional 4.5" (114.3mm) internally sealed kelly bar
- Digging depths to 25' (7.62m) deep
- Hole diameters to 72" (1.83m)
- Easy operator setup and operation
- Optional pole setting features



Highway Manufacturing HHF Pressure Digger

EQUIPMENT SPECIFICATIONS

<u>John Deere Diesel Engine</u>	134 HP	100 Kw		Other engine makes available	
<u>Rotary Torque Rating</u>	39,000 ft/lbs	52,877 N-m	<u>Optional</u>		
<u>Rotary RPM Rating</u>	0-135 RPM variable speed				
<u>Standard Kelly Bar</u>	3" solid	76.2mm	<u>Optional</u>	4.5" internally sealed	114.3mm internally sealed
<u>Kelly Bar Crowd Force</u>	22,700 lbs maximum				
<u>Retract Force</u>	11,900 lbs maximum				
<u>Standard Digging Depth</u>	10'	3.05m	<u>Optional</u>	Up to 25'	Up to 7.62m
<u>Auger Capacity</u>	72"	1.83m			
<u>Turntable Base</u>	240 degree	240 degree			
<u>Mainframe Travel</u>	36"	914.4mm			
<u>Outriggers</u>	Rear A frame	Rear A frame	<u>Optional</u>	Straight down and out and down	Front A frame
<u>Fuel Capacity</u>	Off of chassis		<u>Optional</u>	50 gallon	189.27 L
<u>Basic Unit Weight</u>	14,500 lbs	6,577.01 kg			

OPTIONAL EQUIPMENT SPECIFICATIONS

<u>Polesetter Package</u>	Fixed or 6' telescoping	Fixed or 1.83m telescoping
<u>Service Winch</u>	12,000 lb capacity	5,443.1 kg capacity
<u>Water Tank</u>	100 gallon poly or steel	378.5 L poly or steel
<u>Outboard Leveling</u>	20 degree to 20' & 10 degree to 30'	20 degree to 6.1m & 10 degree to 9.15m
<u>PTO Driven</u>	Driven off chassis engine	Driven off chassis engine
<u>Hydraulic Tool Circuit</u>	Fixed location	Fixed location
<u>Hydraulic Hose Reel</u>	50' hydraulic hose	15.24m hydraulic hose
<u>Auger Tooling</u>	Auger Storage	Auger Adapters & Extensions
<u>Tool Boxes & Storage</u>	Tunnel Storage	Work & Safety Lighting
<u>Outrigger Pads</u>	Wheel Chocks	Front Winches & Capstan Hoists
<u>Air Compressors</u>	Generator & Invertors	Cab Guards



333 2nd Street NE
Hopkins, MN 55343

Phone: 952-938-2889
www.highwaymfg.com

Manufacturer specifications subject to change without notice.

HH Pressure Digger



Key Features & Benefits

- Hydrostatic drive with rapid spinoff
- 25,000 ft/lbs (33.895 Nm) rotational torque
- John Deere 134 HP (100 Kw) auxiliary diesel
- Optionally PTO powered from chassis or carrier engine
- Will mount on single rear axle chassis or a variety of other specialty carriers
- Standard 3" (76.2mm) solid kelly bar
- Digging depths to 20' (6.1m) deep
- Hole diameters to 56" (1.42m)
- Easy operator setup and operation
- Optional pole setting features



Highway Manufacturing HH Pressure Digger

EQUIPMENT SPECIFICATIONS

<u>John Deere Diesel Engine</u>	134 HP	100Kw		Other engine makes available	
<u>Rotary Torque Rating</u>	25,000 ft/lbs	33,895 N-m	<u>Optional</u>	Other engine makes available	
<u>Rotary RPM Rating</u>	0-110 RPM variable speed				
<u>Standard Kelly Bar</u>	3" solid	76.2mm			
<u>Kelly Bar Crowd Force</u>	28,000 lbs maximum				
<u>Retract Force</u>	11,400 lbs maximum				
<u>Standard Digging Depth</u>	10'	3.05m	<u>Optional</u>	Up to 20'	Up to 6.1m
<u>Auger Capacity</u>	56"	1.42m			
<u>Turntable Base</u>	240 degree	240 degree			
<u>Mainframe Travel</u>	36"	914.4mm			
<u>Outriggers</u>	Rear A frame	Rear A frame	<u>Optional</u>	Straight down and out and down	Front A frame
<u>Fuel Capacity</u>	Off of chassis		<u>Optional</u>	50 gallon	189.27 L
<u>Basic Unit Weight</u>	12,500 lbs	5,669.9 kg			

OPTIONAL EQUIPMENT SPECIFICATIONS

<u>Polesetter Package</u>	Fixed or 6' telescoping	Fixed or 1.83m telescoping
<u>Service Winch</u>	12,000 lb capacity	5,443.1 kg capacity
<u>Water Tank</u>	100 gallon poly or steel	378.5 L poly or steel
<u>PTO Driven</u>	Driven off chassis engine	Driven off chassis engine
<u>Hydraulic Tool Circuit</u>	Fixed location	Fixed location
<u>Hydraulic Hose Reel</u>	50' hydraulic hose	15.24m hydraulic hose
<u>Auger Tooling</u>	Auger Storage	Auger Adapters & Extensions
<u>Tool Boxes & Storage</u>	Tunnel Storage	Work & Safety Lighting
<u>Outrigger Pads</u>	Wheel Chocks	Front Winches & Capstan Hoists
<u>Air Compressors</u>	Generator & Invertors	Cab Guards



333 2nd Street NE
Hopkins, MN 55343

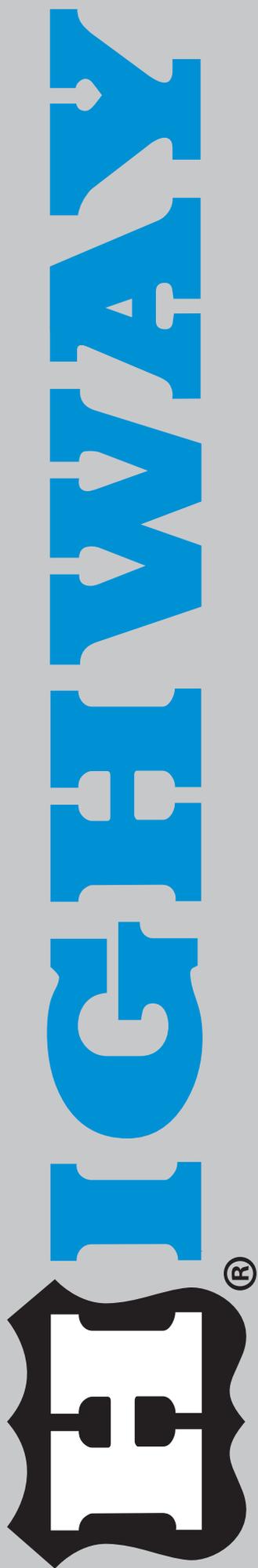
Phone: 952-938-2889
www.highwaymfg.com

FD Series Foundation Drill



Key Features & Benefits

- Mechanical drive system
- 66,300 ft/lbs (model-dependent torque class) rotational torque
- 25,000 lbs max crowd force
- John Deere 134 HP (100 Kw) auxiliary diesel engine
- Five (5) year warranty on Final drive
- Will mount on class 7 or 8 truck and a variety of specialty carriers
- Telescoping dry kelly; square 2-bar design with 4.25" solid inner bar (LP variant: square 3-bar low-profile)
- 30', 40', 50', or 60' digging depth depending on model
- Hole diameters to 72" (1.83m)
- Easy operator setup and operation
- Low-Profile options available



Highway Manufacturing HFMS Pressure Digger

EQUIPMENT SPECIFICATIONS

<u>John Deere Diesel Engine</u>	134 HP	100 Kw		Other engine makes available	
<u>Max Rotary Torque Rating</u>	66,300 ft/lbs	89,907 N-m	<u>Optional</u>		
<u>Rotary RPM Rating</u>	0-233 RPM variable speed				
<u>Baseline Kelly Bar</u>	Telescoping dry kelly; square 2-bar design with 4.25" solid inner bar (LP variant: square 3-bar low-profile)				
<u>Kelly Bar Crowd Force</u>	25,000 lbs max				
<u>Retract Force</u>	11,900 lbs				
<u>Standard Digging Depth</u>	30-60'	depending on model			
<u>Auger Capacity</u>	72"	1.83m			
<u>Turntable Base</u>	240 degree	240 degree			
<u>Mainframe Travel</u>	36"	914.4mm			
<u>Outriggers</u>	Rear A frame		<u>Optional</u>	A-frame or straight-down	Front A frame
<u>Fuel Capacity</u>	Off of chassis		<u>Optional</u>	50 gallon	189.27 L
<u>Basic Unit Weight</u>	models vary				

OPTIONAL EQUIPMENT SPECIFICATIONS

<u>Alternate Kelly Bar</u>	Custom sizes available in place of standard 4.25" solid inner kelly				
<u>Service Winch</u>	18,000 lb capacity		8,165 kg capacity		
<u>Water Tank</u>	Multiple capacities available		poly or steel		
<u>Outboard Leveling</u>	20 degree to 20' & 10 degree to 30'		20 degree to 6.1m & 10 degree to 9.15m		
<u>Hydraulic Tool Circuit</u>	Fixed location		Fixed location		
<u>Hydraulic Hose Reel</u>	50' hydraulic hose		15.24m hydraulic hose		
<u>Augers & Tooling</u>	Auger Storage		Auger Adapters & Extensions		
<u>Tool Boxes & Storage</u>	Tunnel Storage		Work & Safety Lighting		
<u>Outrigger Pads</u>	Wheel Chocks		Front Winches & Capstan Hoists		
<u>Air Compressors</u>	Generator & Invertors		Cab Guards		



333 2nd Street NE
Hopkins, MN 55343

Phone: 952-938-2889
www.highwaymfg.com

Manufacturer specifications subject to change without notice.



[Download Specifications](#)