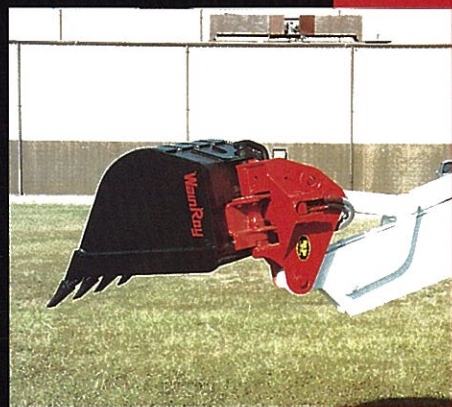


MACHINE FEATURES



DEALER / DISTRIBUTOR

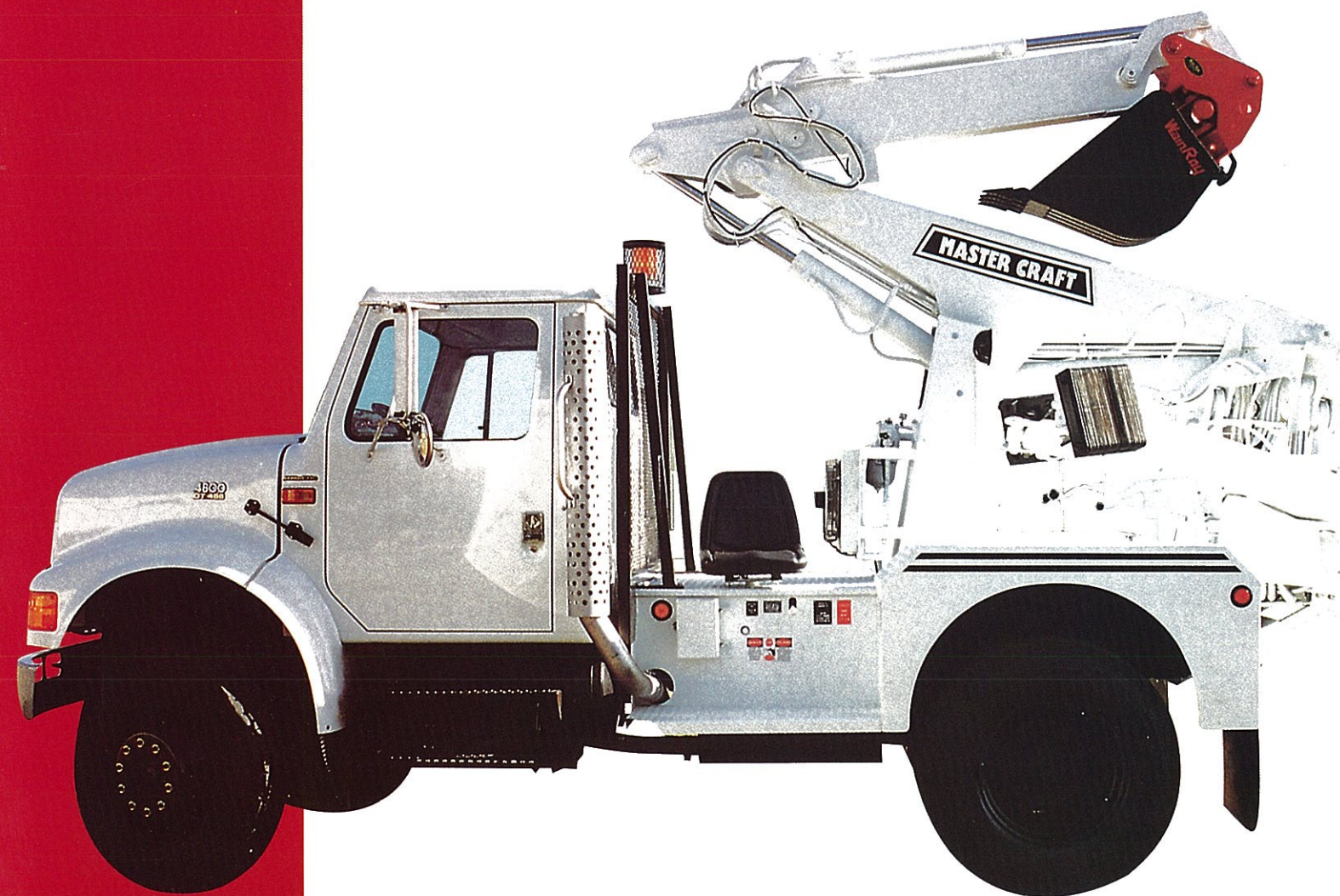
MASTER CRAFT INDUSTRIAL EQUIPMENT CORPORATION

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Colson Printing Co. 2149

MC

MASTER CRAFT TRUCK-MOUNTED BACKHOE



MASTER CRAFT TRUCK-MOUNTED BACKHOE

The Master Craft Truck-mounted Backhoe is especially suited to a wide variety of utility companies, pipeline companies, municipalities, and contractors. This unit is ideal for jobs requiring speed to the job site and full mobility. The Master Craft TMB is a completely factory-assembled unit with complete platform and backhoe mounted on customer-specified truck.

FACTORY INSTALLED BACKHOE

The Master Craft TMB is a 15 ft. backhoe with 2 lever controls—consisting of boom; dipperstick; double-acting lift, crowd and bucket cylinders; swing system; 11'3" wide stabilizers; console including hydraulic controls; stop switch and operator's seat with black vinyl cover.

FACTORY INSTALLED PLATFORM

Master Craft's TMB consists of right and left side steps at front of platform; hydraulic reservoir with externally mounted filter; transport cradle; tilt control and operator's seat actuated diverter valve; two double-acting tilt cylinders and linkage; working lights for night operation (two on platform and one on dipperstick); lockable storage compartment; transmission driven PTO, hydraulic pump and diverter control valve (38 gpm capacity @ 1400 rpm); all hydraulic fittings and plumbing plus truck frame attaching parts.

STANDARD BACKHOE ATTACHING KIT

- Remote throttle control
- Remote stop switch
- Black vinyl backhoe seat
- Truck frame attaching parts
- Safety tread platform
- Frame and fenders
- Transport tilt cylinders, control valve, plumbing, tilt frame, and tie bars
- Backhoe transport cradle
- Hydraulic pump, reservoir and plumbing and external oil filter
- Diverter control valve
- Lockable storage compartment
- Working lights for night operation (two platform and one dipstick light)
- Power take-off (transmission driven)
- Backhoe stabilizer pads

OPTIONS:

Trucks and backhoe makes and models as available. (Must meet Master Craft specifications.)

FACTORY TMB OPTIONS

- Special paint to match fleet requirements
- Amber beacon
- Spotlight
- Bucket crane
- Rear cab protector

STANDARD HYDRAULICS

Capacity- 40 gal.
Filtration- replaceable cartridge filter

NOTE: Because of our policy of continual engineering research and improvement we reserve the right to make changes in design, specifications and components without notice, but always subject to the Master Craft written warranty.

SAFETY

The backhoe seat must be in "store" position at the front left corner of the truck before backhoe can be tilted. This safety feature prevents accidental tilting of the backhoe while operator is seated in the backhoe position.

MINIMUM SPECS FOR TRUCK-MOUNTED BACKHOE

Model: Any basic 2 1/2 ton cab-chassis. The rear of the truck frame from rear axle back must be completely empty to allow for the backhoe to go into the operating position and brake chambers must be forward of rear axle. Cruise control with RPM increase/decrease switch interface with wires to end of frame and park brake and neutral interlock is required. An electronic tachometer to 3000 RPM is also required.

Wheelbase: 129" minimum to 141" maximum

Cab to Axle Distance: 60" minimum to 72" maximum

Frame Size: 8.28" x 2.75" x 0.25" 18.0 section modulus (SM) with inverted L; 50,000 PSI. (Equivalent or better)

Axle, Front: Model: Spicer I-80 or equivalent with a weight rating of 8,000 lbs or more

Axle, Drive: Model: Spicer N-175 or equivalent with a weight rating of 17,500 lbs or more.

Suspension: Front: 9,000 lb capacity leafsprings with telescoping shock absorbers or equivalent

Rear: 23,500 lb capacity leafsprings with 4,500 lb cap auxiliary springs or equivalent

Tires: 10R-22.5- 10 ply rating Steel Belted Radials on painted steel disc wheels

Brakes: Hydro-Max II hydraulic system or equivalent (Contact Master Craft for Required Specs of Air Brakes)

Steering: Power steering preferred

Exhaust System: Single vertical exhaust at RH rear of cab

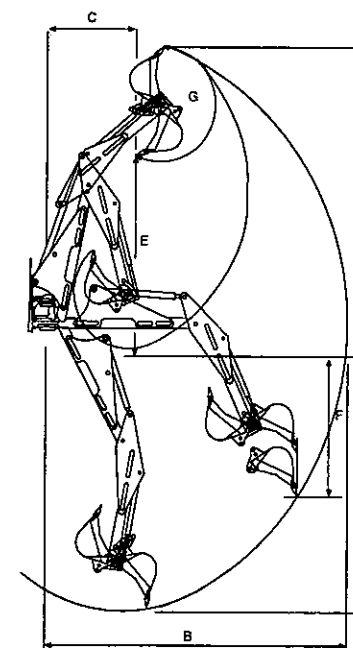
Engine: Power: Must match or exceed required specs of the transmission used— engine hour meter, QB-3 shutdown system or equivalent, largest radiator available from manufacturer.

Transmission: Eaton Fuller FS-6406A manual transmission (or Equivalent) with PTO capabilities. Allison MD 3560 automatic transmission (or Equivalent) with PTO capabilities.

Fuel Tanks: Fuel tanks must not extend past the back of the cab.

NOTE: All truck measurements (wheelbase and cab to drive axle) must be supplied to Master Craft at time of price quote. Any changes to the specifications on this sheet must be approved through the engineering department and the Plant Manager.

*Unit shown has optional equipment.



BACKHOE DIMENSIONS

A. Dig Depth	ft (mm)	
SAE -	14'8" (4460)	
2ft Flat Bottom SAE -	14'7" (4450)	
Max Dig Depth -	16'1" (4890)	
B. Reach Ground		
Level to Swing Post-	18'9" (5726)	
C. Loading Reach -	6'7" (2000)	
D. Operating Height -	18'7" (5670)	
E. Loading Height SAE -	11'8" (3469)	
Max Load Height -	12'9" (3882)	
F. Max Straight Wall		
Load Height -	8'6" (2591)	
G. Bucket Rotation		
Speed -	194 deg.	
Power -	163 deg.	
Side Reach from Stabilizers -	12'7" (3835)	
Stabilizer Spread -	11'3" (3430)	
Max Leveling Angle -	15 deg.	

BACKHOE PERFORMANCE

Swing Torque	ft-lb (Nm)	11875 (16100)
Dipper Tearout	lb (kg)	8670 (3946)
Bucket Tearout -		
Speed	lb (kg)	11596 (5260)
Power	lb (kg)	12696 (5759)
Lift Capacity	lb (kg)	2952 (1339)
(To full height)		
Lift Capacity	lb (kg)	2646 (1203)
(Including bucket)		