

Specifications
For
Portable Asphalt Milling/Trenching Machine
With Transport Trailer
Model AZ360

- 1. General:** This specification is intended to cover a diesel powered portable asphalt milling machine, which attaches to the front bucket of a backhoe/loader. Machine shall be complete with a trailer specifically designed to transport the unit from one job to the next.
- 2. Engine:** Water-cooled, four cylinder diesel developing 125 hp at rated RPM. Shall be equipped with 12-volt electric system including starter, battery and alternator. Shall have remote throttle, oil filter, engine manufacturer's approved type air cleaner, adequate exhaust system and all necessary gauges and equipment for efficient operation.
- 3. Instrument and Control Panel:** Shall be remote type, which can be in the cab of the backhoe/loader to allow the operator to monitor engine functions without leaving the cab. Shall include tachometer/hour meter, engine start/stop control, engine speed control, engine oil pressure gauge and engine temperature gauge.
- 4. Cutter Head Assembly:** Assembly shall be securely attached to the machine's main frame, enclosed by heavy-duty cowling. Maximum cutting depth shall be approximately 12" (Twelve Inches). Shall have a standard cutting width of than 36" (Thirty-six Inches). Shall have a minimum of 98 snap-in bits mounted in individual blocks. The cutter head and housing shall be designed so that only pulverized materials leave the cutter head assembly.
- 5. Cutter Head Drive:** Power shall be transmitted from the engine to the cutter head through a power take-off and V-belts to a planetary reduction gearbox at the cutter head.
- 6. Mounting:** Unit shall be designed and recommended by the manufacturer to attach to front bucket of a loader equipped with a minimum 1.8 cubic yard bucket. Attachment system shall allow the loader to load and unload the milling machine from its transport trailer. All necessary parts and accessories required for attachment to the loader bucket shall be furnished.
- 7. Trailer:** Shall be a heavy duty (6000 Lb minimum) single axle trailer specifically designed by the manufacturer for transporting the asphalt-milling machine. Furnished frame shall be constructed of steel channel; rectangular steel tubing or I beam with all welded construction. Shall have steel wheels, Hubs shall run on tapered roller bearings. Tires shall be of size and load carrying capacity to handle unit at highway speeds. Shall have steel fenders covering the tires. Shall be equipped with electric brakes, trailer coupler for use with a 2" minimum trailer ball. Shall have a lockable tool box, safety chains with hooks, tongue jack, surge type hydraulic brakes and all necessary lights and reflectors to meet DOT and ICC regulations including stop, tail and directional signals. Shall be complete with trailer wiring connectors.
- 8. Weight: Milling machine** (without trailer) shall have a maximum weight 5000 pounds.
- 9. Additional Equipment:** Two tools for changing cutter bits and a supply of extra blocks and cutter bits shall be provided. Two safety chains equipped with latching hooks shall be included.
- 10. Color:** Units shall be primed and painted with factory standard colors (Tan, black, and Gray) with red molded engine cover.

11. Warranty: Units purchased under this specification shall be warranted against defects in materials and workmanship for a period of not less than ninety (90) days or 200 hours, whichever occurs first, from date of delivery to customer. Items thought to be defective will be returned to factory prepaid to be repaired or replaced.

12. Training: The successful bidder shall furnish qualified personnel to instruct operators and service technicians on operation and maintenance of units purchased under this specification. Up to two hours of training in the correct use and maintenance of the machine will be given at time of delivery.

13. Successful bidder shall furnish one (1) Copy of the owner's manual and one (1) copy of the operator's manual at time of delivery.

14. Unit shall be assembled adjusted and made ready for continuous operation at time of delivery. All necessary parts, accessories and tools for efficient operation of this unit shall be furnished whether or not they are specifically mentioned in this specification (including standard equipment as regularly furnished by manufacturer as shown on printed literature and specifications - unless specifically excluded by this specification).

Specifications subject to change without notice.

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