

**SPECIFICATIONS**  
**AIR-FLO PRO MAX® DUMP BODY**

**INTENT**

It is the intent of these specifications to describe a \_\_\_\_\_ cubic yard heavy-duty dump body with a scissor type hoist.

**BODY**

The inside length of the dump body shall be 10' and inside width shall be 84". It shall have a capacity of \_\_\_\_\_ cubic yards without sideboards. The 10 Ga. sides shall be \_\_\_\_\_ inches high with 10" sideboard pockets capable of increasing the total capacity to \_\_\_\_\_ cubic yards. The straight vertical sides shall be made of 10 Ga. steel with a boxed top rail 6 1/2" wide by 7 1/4" high. The dirt shedding sloped top rail is to fold back 45 degrees at top. No seam is to be visible to the outside or bottom of the top rail. Including front corner post, there are to be a minimum of three vertical gussets. The vertical gussets are 6" wide and 3 3/4" deep. The bottom of the sides shall have a 5" 45 degree slope to form a rub rail. The full depth rear corner post shall be a minimum of 16" wide and 6" deep fully welded.

**TAILGATE**

The fully welded 6-panel tailgate shall be one piece 10 Ga. steel \_\_\_\_\_ inches high. Horizontal bracing shall be dirt shedding including top rail with four 4" vertical gussets. The 1" flame cut upper tailgate hinge shall have a minimum 1 1/2" upper pin and 1 1/4" lower tailgate pin. The 5/8" lower latch assembly shall have 3/4" flame cut lower pin cradle. The upper tailgate hinge bracket shall be incorporated into the rear corner post to give the appearance of the tailgate and hinge assembly being the same height as the rear corner post. Sleeve covered 3/8" diameter proof coil chains shall be provided to hook into banjo eye brackets welded onto rear corner posts for tailgate spreading.

**FRONT HEAD PANEL**

The front head panel shall be a one piece 10 Ga. steel panel 10" higher than the side height. A formed V bend will be incorporated the full width and placed in the center of the panel. The top of the panel shall be formed 2 1/2" wide and 1 1/4" deep.

**FLOOR**

The floor shall be made of 8 Ga. steel 50,000 min yld. and supported by a stacked under structure consisting of at least(10) 4" channel cross members. The cross members shall be supported by (2) 7" channel steel longitudinal members running the full length of the dump body. To eliminate a possible rust point, there shall be no floor to side seam.

**SUBFRAME**

Subframe shall be 3/16" wall, 2 1/2 x 3 1/2 rectangular steel tubing.

**HOIST**

Hoist shall be a single cylinder scissor type with a single body prop. The 6" diameter 23" stroke cylinder shall have a 2 1/2" chrome plated piston rod and capable of being used in a single acting or double acting application. The NTEA class 50 rated hoist shall ensure a dump angle of not less than 50 degrees and be capable of obtaining a 17 ton lift capacity. The front and rear crossmembers shall be fully gusseted. Hoist shall be of fully solid weld construction.

May 1, 2006

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**OPTIONS:**

**POWER UNIT**

The hoist assembly shall be powered by a direct mount PTO pump with single acting valve. The relief valve to be set at 3200 PSI.

**PUMP**

Direct mount PTO pump with double acting valve. The relief valve to be set at 3200 PSI.

**CAB SHIELD**

1/2 cab shield shall be made of 10 Ga. steel and extends 22 1/2" from the front of the body.

**AIRGATE (LESS VALVE)**

There shall be an air latch tailgate in place of a manual latch, the handle operating the front pivot shaft will be replaced by an air cylinder operated front pivot shaft. The air cylinder shall be 2 1/2" in diameter with a 8" stroke. It shall have a 5/8" chromed rod.

**SPREADER APRON**

There shall be a 1-piece rear unit made of 10 Ga. steel.

**COAL DOOR**

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