

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

INTENT

It is the intent of these specifications to describe a 6 - 10 cubic yard heavy-duty dump body with a under-body 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 6 cubic yards without sideboards. The 7 Ga. steel sides shall be 28 inches high with 8" sideboard pockets capable of increasing the total capacity to 7.7 cubic yards. The straight vertical sides shall be made of 7 Ga. steel with a boxed top rail 4" wide by 6" high. The dirt shedding sloped top rail is to fold back 45 degrees at top. There are to be a minimum of three vertical gussets each side. The vertical gussets are 7" wide and 4" deep. The bottom of the sides shall have a 7" 45 degree sloped rub rail that is 5" wide. The full depth rear corner post shall be a minimum of 16" wide and 5" deep fully welded.

TAILGATE

The fully welded 2-panel tailgate shall be one piece 7 Ga. steel 36 inches high. Horizontal bracing shall be dirt shedding including top rail with two 5" vertical gussets giving it an outer boxed construction. The 1" flame cut upper tailgate hinge shall have a minimum 1 1/4" upper pin and 1 1/4" lower tailgate pin. The lower latch assembly shall have 5/16" lower pin cradle with 1/2" latch jaws. 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 7 Ga. steel panel 13" higher than the side height. A dual formed horizontal V bend will be incorporated the full width and centered in the panel. The top of the panel shall be formed 2 1/2" wide and 1 1/4" deep.

FLOOR

The crossmemberless floor shall be made of 1/4" AR-400 steel. The floor shall be so designed and constructed that it will not have any underbody crossmember bracing. The floor shall be supported by formed 1/4" thick steel trapezoidal longitudinals that span the entire length of the body.

CAB SHIELD

There shall be a 1/2 cab shield supplied made of 10 Ga. steel. The 1/2 cab shield shall extend 27" from the front of the body.

UNDER BODY HOIST/SUBFRAME

Long members shall be made of 5/16" steel formed to a 6" channel. Hoist shall have a single cylinder with dual support arms and single body prop. The 8" diameter, 24.875" stroke cylinder shall have a 2 3/4" chrome plated piston rod and capable of being used in a single acting or double acting application. The NTEA class 60 rated hoist shall ensure a dump angle of not less than 50 degrees and be capable of obtaining a 21.2 ton lift capacity with relief valve set at 1500 PSI. The heavy-duty platform type rear hinges shall have replaceable 2" pins. Hoist shall be of fully solid weld construction.

(1/23/14)

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

OPTIONS:

PUMP

Direct mount PTO pump with double acting valve. The relief valve to be set at 1500 PSI.

AIRGATE (LESS VALVE)(OPTION)

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 3 1/2" in diameter with an 8" stroke. It shall have a 3/4" chromed rod.

SPREADER APRON

There shall be a 9", one-piece rear apron made of 10 Ga. steel.

COAL DOOR

Options for one, two, or three coal doors installed.

(1/23/14)