

STANDARD CONSTRUCTION

- Bulkhead with window..... 10 gauge galvanized
- Compartment bottoms 16 gauge galvanized
- Compartment tops 16 gauge galvanized
- Crossmembers..... 3" 4.1# channel
- Doors..... 20 gauge galvanized outer panel with 20 gauge galvanized inner panel
- Dump bed panels..... 10 gauge galvanized
- End panels (front and rear) 14 gauge galvanized
- Fender panels 14 gauge galvanized
- Intermediate panels 16 gauge galvanized
- Longsills 5" 6.7# channel
- Tailgate 10 gauge galvanized
- Tapered side walls and full length ribs
- Upper front bulkhead with wind deflector and shelf



STANDARD FEATURES / EQUIPMENT

- **Cab protector** with rear view grill cutout and quick mount for tarpaulin.
- Plastic-coated aircraft **cables** on curbside and streetside horizontal doors.
- **Coal chute door** with 4 positions.
- Double-paneled service body **door** with interior reinforcement for strength.
- Keyed alike **doors** equipped with rotary paddle latches and adjustable strikers.
- Automotive bulb-style **door seals** (factory installed).
- Dump bed.
- **Fender panel** with die-stamped radius.
- Aluminum **fuel filler bracket** (installed).
- 5/16" diameter **hinge rods** run full length with zinc cast hinge block with nylon brushing.
- **Hitch package** includes: 5" structural channel bumper with safety chain loops, heavy duty hitch mount with multi-hole pattern for adjustable pintle hook height, lights with wire harness (no stop or directional lights) and mounting holes for two trailer connectors (not included).
- **STAHL** Subframe mount conversion **Hoist** with electric hydraulic pump (1 GPM at 3500 PSI).
- **Light kit** includes: Two side marker front and rear clearance, three ID lights in recessed rear apron, and all wiring in protective loom.
- Hoist Mounting kit.
- Bottom **tailgate** hinge releases into open and closed positions with spring-loaded plunger.
- Boxed-frame **tailgate** construction.
- Double acting **tailgate** with concealed chains for spreading operations.
- **Vertical compartments** equipped with shelf clips for optional adjustable shelves (see Optional Shelving Package chart).
- **STAHL**'s exclusive one-year "No Rust, No Bust" **warranty**.

Continues on reverse side.

OPTIONAL SHELVING PACKAGE

COMPARTMENT	BODY SIZE	COMPT. WIDTH	CURBSIDE	STREETSIDE
Front vertical	8'	29"	1 Adjustable plain shelf	1 Adjustable plain shelf
	9'	29"		
	10'	21 3/8"	2 Adjustable plain shelves	2 Adjustable plain shelves
	11'	24"		
Second vertical	10'	27 3/8"	2 Adjustable plain shelves	2 Adjustable plain shelves
	11'	29"		
Horizontal	8'	57 5/8"	Open	Open
	9'	69 3/8"		
	10'	57 5/8"		
Rear vertical	11'	69 5/8"	Open	Open
	8'	11"		
	9'	23"		
	10'	23"		
	11'	23"		

Shelving - 16 gauge high-spangle galvanized steel (250# capacity)

DIMENSIONAL SPECIFICATIONS

MOUNTING REQUIREMENTS	60" CAB-TO-AXLE	84" CAB-TO-AXLE
Water-level volume of dump	2 1/2 or 2 3/4 cubic yards	3 1/8 or 3 3/8 cubic yards
Inside length of dump	97"/109"	121" /133"
Dump depth at side	17"	17"
Dump depth at tailgate	22"	22"
Floor width at bottom	54"	54"
Dump width at top	79.63"	79.63"
Additional volume with 6" cheater	1 cubic yard	1 1/4 cubic yards
Total air-volume with chip cap	9 1/10 cubic yards	11 3/4 cubic yards
Understructure crossmembers	3" @ 4.11#/ft. channel	3" @ 4.1#/ft. channel
Understructure runsills	5" @ 6.7#/ft. channel	5" @ 6.7#/ft. channel
Side compartment volume	33 5/8 cubic feet	47 7/8 cubic feet
Side compartment length	90" / 102"	114" / 126"
Side compartment height	35"	35"
Side compartment depth	18"	18"
Vertical compartment width	29"	24" and 29"
Weight of package with hoist	2700/2900 #	3100/3300 #

HOIST CAPACITY

BODY LENGTH	97"	109"	121"	133"
0520 hoist with electric gear pump*	11.5 ton	10.2	9.1 ton	8.2 ton
0520 hoist with direct mount gear pump	11.5 ton	10.2 ton	9.1 ton	8.2 ton

*Standard hoist in dump body package

CONVERSION HOIST & SUBFRAME

NTEA performance class	D / 40
Cylinder bore and stroke	5" x 20"
Chromed cylinder shaft	2 1/2"
Maximum operating pressure (PSI)	3500 psi

OPTIONAL EQUIPMENT

- Adjustable Shelves
- Chip Cap
- Pintle Hook with 2 5/16" Chrome Ball
- Vinyl Pull Tarp
- 7 Pole Trailer Plug
- Tread Plate Overlay

Notes:

- Challenger Dump Bodies are made to fit dual wheel chassis only.
- Capacities are based on water level load, 50-degree dump angle, and includes body weight.
- Recommended minimum chassis GVW rating of 15,000 pounds.
- **Caution:** The combined weights of truck, body, hoist, and load must not exceed truck's chassis GVW rating.

Due to constant product evaluations and improvements, specifications and options are subject to change without notice.

