

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 2 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" | | |
| | 11' | 69 5/8" | | |
| Rear vertical | 8' | 11" | Open | Open |
| | 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.

