

10/2016

Long Island Region Dump Truck Specifications

**Heavy Duty 4WD Dump Truck
(IH 7400 SFA 4x4 (SR525) or Equivalent)
w/ Hydraulic Slide-in Sander (Stainless) and Reversing Front Highway Snow Plow
(Combination Dump/Plow/Material Spreader)***

A. General

- Conventional 2-Man Cab and Chassis.
- Wheelbase to accommodate dump body and equipment.
- 4 Wheel Drive (Must be capable of driving on beach sand).
- Tandem (Side by Side) Rear Wheels/Tires (4 Total Rear Wheels)
- Requested GVRW 35,000 (Approx.). Rating 35350
- Grade ability 28.5
- Double "C" channel heat treatment frame
- Powder coated gray heavy duty steel bumper
- Front tow hooks
- Vehicle must meet all Federal and State safety standards.

B. Front Driving Axle

- Single reduction, 13,000 lb. capacity (Approx.)

C. Rear Axle

- Single reduction
- 23,000 lb. capacity (Approx.)
- Wheel ends gear ratio of 5.63 (Approx.)
- Springs
- Magnetic drain plug
- Synthetic rear axle oil
- Driver controlled locking differential
- Must be capable of carrying a 4.5 cu yd sander.

D. Brakes

- Dual air brake ABS system
- 15.9 CFM compressor
- Air dryer with heater
- Front and rear brake dust shields
- Automatic slack adjusters
- Twist type drain valve
- Spring brake modular valve
- 16.5"x6" front brakes
- Pull chain air tank drain valves
- 16.5"x7" rear brakes
- Pull chain air tank drain valves
- Trailer connections with hand control valve and tractor protection valve
- Rear brake chambers mounted inside rear tire envelope for paver clearance.

E. Exhaust

Horizontal or vertical exhaust

Frame mounted right side under cab with vertical turn-back tailpipe and heat shield.

F. Electrical

12-volt system

160 Amp alternator

Back up alarm

Standard AM/FM radio

Dual roof mounted air horns

Electric horn

Electric wipers

(3) 12 volt 1950 CCA Batteries

Electronic Brake Control – installed in cab and wire to trailer plug

Sight oil gauge

Low oil pressure/high water temperature alarm and shutdown systems

Halogen headlights, daytime running lights

Intermittent wipers

Color coded/continuously numbered wiring

Thermo over-crank protection starter motor

Battery disconnect switch

7-way trailer connection socket on rear frame

Auxiliary power source

Revolving amber beacon on cab roof

Amber strobe lights on back of vehicle body

Oil level sensor w/PTO provision-80,000 GVWR max.

Plow Lights

Sander lights.

Flashing rear lights

All required D.O.T. lighting

G. Engine

Heavy Duty turbocharged Diesel engine

270 HP minimum, 860 ft. lbs. torque

Block heater

Air cleaner restriction

Magnetic drain plug

Spin on oil, water and fuel filters

Fuel/water separator

(Minus) 40 degree anti-freeze.

H. Transmission

Automatic transmission with overdrive on/off button

Double low gear range

Magnetic pan plug

Oil cooler

I. Fuel Tank

79 gallon aluminum D style tank with quick connect outlet
Nylon tubing fuel lines with O-ring snap on quick connect fittings at both ends
Fuel filter
9.5 gallon fuel cooler.

J. Cab

Heavy duty Steel or Aluminum cab
High back air suspension lumbar driver's seat
Fixed high back passenger seat
Interior grab handles
Mirrors – heated with 8" spot mirrors
5 cab clearance marker lights
Engine hour meter
Trip odometer
Complete gauge package
Dome light
Fault code readout
Tinted glass
Visible & audible warning system for low fuel, oil pressure, high temp and low voltage
Cab sound insulation
Air conditioning
Cab air suspension
Cab Steps
Hydraulic oil line shut-off
Cab/Axle ratio must be correct for requested plow/sander combo

K. Wheels

Steel powder coat hub piloted wheels
Oil lubricated wheel seals
Tires: Front: 11R22.5 14-ply, load range G Rear: 11R22.5 load range G.

L. Engine Cover/Hood

Tilted front hitch assembly
Tilting 3 piece hood
Rubber fender extensions
Under-hood insulation.

M. Snow Plow

10' Power Reversing snow plow with Full tipping moldboard
(8) ½" x 3 ½" edge rolled ribs for strength
One piece moldboard
2 adjustable compression springs
Extended push bar
10' plow length, 42" plow height, one piece 5/8"x8" cutting edge – carbide tip
Plow sight markers
Carbide shoes
Plow Light package
3 handle Cable Control – Pedestal Mount (PTO/Raise/Tilt)

N. Salt Spreader/Sander

Heavy Duty Stainless Steel Slide-in Sander, 8'ft length
4.5 CY capacity
84" outside width, 48" side height
Sides and ends 10ga. steel, floor 7ga. Steel
Rear discharge Conveyor w/ 6 tooth sprockets.
1 ½ "dia. Drive shaft w/roller bearings
Pintle type conveyor chain
Idler w/ 1 ½ "dia. Drive shaft w/roller bearings, 4" idler adjustment.

O. Dump Body

Approx. 12' x 7' dump body
28in. sides, 38 in. ends
10 gauge steel side construction, 8 gauge steel floor
Standard tailgate (Air operated tailgate optional)
2 way underbody hoist with sub-frame, cab shield
Spreader apron
Built in hydraulic connections to attach to salt spreader hoses.
Removable folding ladder attached to side body
7 way trailer plug located in Pintle plate
Hard wood side boards
25 ton Pintle hook mounted on ¼ plate with 1" D rings
Spreader apron

P. Paint and Miscellaneous

Premium Green custom paint, fire extinguisher, flare kit
PTO Driven Pump w/ Disconnect; Approx. 35 gal. frame mounted oil reservoir w/ cartridge filters.
All Required D.O.T. Lighting
Provide owner/operator manual, vehicle and equipment specifications.
Schedule and provide mechanic training session.