

HOLLAND HAUL TRUCK

Model 180BD



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HOLLAND HAUL TRUCKS – MODEL 180BD

Holland 180 Ton Capacity Belly Dump Haul Trucks (180BD) have a worldwide track record of successfully operation in a variety of applications. The 180BD was designed as the perfect match to all Holland Loaders but the low loading height of 9 feet allows conventional front end loaders, backhoes and other loading equipment to take advantage of the truck's high carrying capacity. The trailer's unique "gull wing design" dumping action allows operators to layout windrows of varying height and length while providing the ability to dump blocky material without obstruction. Operation and maintenance of the unit is simple and straight forward. The tractor and trailer can be transported to a job site in two loads and assembled in approximately one (1) hour. Holland trailers can also be pulled by other manufacturers' tractors. With a "Payload to Weight Ratio" of 2.15:1 the 180BD is among the most efficient tractor/trailer unit available today.

SPECIFICATIONS

Engines

Choice of either Detroit Diesel Series 2000 or Cummins QST30 (1050-1200 gross horsepower)

Transmissions

Choice of either Allison 8000 or 9000 Series power shift transmissions. Remote mount mechanical drive

Drive Axle

Holland differential and double reduction planetaries
Total reduction = 23.18:1
Maximum speed = 35 mph

Tractor Frame

Box section main rails from 100 ksi yield steel.
Bridged by four (4) cross members

Cab

Holland design cab features air ride seat, wiper, heat/AC, soundproofing, tinted glass and sliding windows.
Rubber mounted for vibration control.

Trailer

Large box section main beam, connected to hopper doors by six (6) hinge points. Integral push block and tire cover are standard. Hopper option is to line with low friction UHMW plate for ease in cleaning.

Hydraulic Doors

Clam shell doors individually operated at midpoint by two double acting rams. Doors open to maximum of 16' width x 18'6" length for ease of cleaning.

Capacity

Struck = 87 CY
Heaped @ 2:1 = 127 CY

Hitch

Holland 12" spherical fifth wheel hitch. Spherical design eliminates twisting forces in tractor frame.

Tires

Front radials 21.00R35 (2)
Drive radials 27.00R49 (4)
Trailer radials 27.00R49 (4)

Brakes

Transmission retarder and air/oil actuated, free floating, internal expanding two shoe type with automatic adjusters. Hand lever on steering column activates trailer axle brakes.
Drive/Trail size 36"x12" 914mm x 305mm
Area 1844 in² 11987 cm²
Truck tractor protection valve locks up whole system.
Adequate air is required to move unit.

Steering

Caterpillar 773B steering components are used.

Suspension

Caterpillar 773B suspension struts are used for front of tractor.

Dimensions

Height	13'5"	4.1M
Width	19'0"	5.8M
Steering to drive axle	15'6"	4.7M
Drive to trailer axle	37'1"	11.3M
Loading height	9'0"	2.7M
Payload/weight ratio	2.15:1	

Weights

Tractor	78,850 lbs	35,766 kgs
Trailer	88,820 lbs	40,288 kgs
TOTAL	167,670 lbs	76,055 kgs

Gross Weight per Axle

Front axles	57,670 lbs	26,159 kgs
Drive axles	235,000 lbs	106,594 kgs
Trailer axles	235,000 lbs	106,594 kgs
Payload	360,000 lbs	163,293 kgs