

Additional options for the Volvo VHD include:

Category	Description	Spec'd
Engine	D11 325 HP	*
	D11 355 HP	
	D11 365 HP	
	D11 385 HP	
	D11 425 HP	
	D13 405 HP	
	D13 425 HP	
	D13 435 HP	
	D13 455 HP	
	D13 500 HP	
Transmission	3000 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/ PTO provision	
	4000 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/ PTO provision	
	4500 RDS 5-Sp Allison Gen 6 w/ Prognostics, w/PTO	
	4500 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/PTO	
	Eaton 10-Sp Fuller RTO-14908LL	
	Eaton 10-Sp Fuller RTO-16908LL	
	Eaton 11-Sp Fuller RTO-14909ALL	
	Eaton 11-Sp Fuller RTO-16909ALL	
	Eaton 13-Sp Fuller RTLO-16913A	
	Eaton 13-Sp Fuller RTLO-18913A	
	Eaton 18-Sp Fuller RTLO-16918B	
	Eaton 18-Sp Fuller RTLO-18918B	
	Volvo 12-Sp I-Shift AT2612F Direct Drive	
	Volvo 12-Sp I-Shift ATO2612F Overdrive	
	Volvo 12-Sp I-Shift Severe Duty, AT2612F Direct Drive	
	Volvo 12-Sp I-Shift Severe Duty, ATO2612F Overdrive	
Volvo 13-Sp I-Shift Severe Duty, Low Crawler / Low Rev Gear, Direct Drive		
Volvo 13-Sp I-Shift Severe Duty, Low Crawler / Low Rev Gear, Overdrive		
Volvo 14-Sp I-Shift Severe Duty, Ultra-Low Crawler/ Ultra-Low Rev, Overdrive		
Safety	Air Bag	
	Down view mirror over passenger door	*
	Traction Control	
	Volvo Active Driver Assist	
	Blind spot detection	
	Lane Departure Warning system	
	Camera, surveillance	
	Data capture	
	Backup alarm	
	Park brake alarm	
Security system		
Engine Equipment	Battery disconnect switch - optional	
	DEF tank - 8.7L - 18.5L, LH	
	Engine block heater	
Front Axle Equip.	Volvo VF14 14,600# Front Springs	
	Meritor MFS14122 14,600#	

Volvo VF20 16,500#
Volvo VF20 18,800#
Volvo VF20 20,800#
Multileaf or Parabolic suspension
Drum brakes or air disc brakes optional
Front dust shields optional

Rear Axle Equip. Meritor MT-40-14X3D Hypoid 40,000#
Meritor MT-40-14X4D Hypoid (Heavy Duty Housing) 40,000#
Meritor RT46-160 46,000#
Meritor RT46-164EH 46,000#
Meritor RT52-185P 52,000#
Differential locks optional
Suspension options include Volvo T-Ride, Primaax Air, & Hendrickson
Drum brakes spec'd, air disc brakes optional

Frame Equip. Fuel tanks available from 50gal-125gal, LH & RH

Please contact John Walsh at Shealy Truck Center for additional options and pricing, and be sure to mention the NCSA procurement program for preferred pricing.

Choose your Volvo VHD.

This is just a hint of all the choices you have when tailoring your Volvo VHD to your needs. The full specifications and all possible options are available at your local Volvo dealer or at volvotrucks.us



VHD 300F
axle forward

VHD 300B
axle back

VHD 400F
axle forward

VHD 400B
axle back

Description	Daycab designed for applications requiring a bridge-law compliant wheelbase.	This daycab provides maximum maneuverability on the jobsite.	Flat-roof sleeper designed for vocational applications requiring overnight rest periods and a bridge-law compliant wheelbase.	Flat-roof sleeper designed for vocational applications requiring overnight rest periods and maximum maneuverability.
Vehicle Configuration	Straight truck or tractor			
Cab Type	Daycab		42" Sleeper	
Interior Height	61"		61.5"	
Interior Width	83.5" door to door		83.5" door to door with 75"x 36" mattress	
BBC	113.6"		145.6"	
Drive Axle Configuration	Single, tandem, tri-drive			
Frame Length	Up to 480"			
Rear Axle Ratings	23K-69K			
Lift Axle	Tag and pusher, up to 2 factory installed			
Rear Suspension	Multi-leaf Spring T-Ride Primaax HAS Haulmaax			
PTO	Rear engine mounted, front engine mounted, transmission mounted			

For more details and availability of other custom options contact your local Volvo dealer.



Volvo D11



Volvo D13

Engine:		
HP/Torque ratings	325-425 hp / 1,250-1,550 lb-ft.	405-500 hp/1,450-1,850 lb-ft.
Base Engine Configuration	4 cycle / Inline Six	
Emissions	SCR Selective Catalytic Reduction	
Aspiration	Sliding Nozzle Variable Geometry Turbocharger	
Cam / Valve Configuration	SOHC / 4 Valves per Cylinder	
Cylinder Head	One Piece Rigid Deck	
Injection System	Common-Rail	
Maximum Fuel Injection Pressure, psi (bar)	35,000 (2,400)	
Upgrade	Software Only, Throughout Range	
Displacement, cu. in. (L)	661 (10.8)	780 (12.8)
Compression Ratio	17:1	
Bore & Stroke, in. (mm)	4.84 x 5.98 (123 x 152)	5.16 x 6.22 (131 x 158)
Full Dress Dry Weight, lb. (kg)	2,259 (1,025)	2,605 (1,182)
Fuel and Lubrication:		
Fuel Specification	Ultra Low Sulfur Diesel, 15 ppm	
Fuel Filters	Primary plus Secondary	
Total Lube Oil Capacity, qts. (L)	38 (36)	42 (40)
Oil Filtration	Two Full Flow, One Bypass	Two Full Flow
Oil Drain Interval, Normal Service, miles (km)	60,000 (96,561)*	
Oil Specification	Volvo VDS-4.5, SAE 10W-30	
FLOCS Oil Drain Kit	Optional	
Ancillary Equipment:		
Air Compressor, CFM	Two Cylinder, 31.8	
Engine Brake	Volvo Engine Brake (VEB)	
Engine Brake Rating at 2,200 rpm	420 hp @ 2,200 rpm	500 hp @ 2,200 rpm
Engine Brake Rating at 1,500 rpm	266 hp @ 1,500 rpm	350 hp @ 1,500 rpm
PTO Port for Live Rear PTO Pump or Shaft	Optional	
Preheater, Electrical	Optional	

* Volvo-branded VDS4.5 oil and > 6 mpg.



Volvo I-Shift for Severe Duty

Volvo I-Shift with Crawler Gears

	Direct	Overdrive	Overdrive	Overdrive
Max Torque Capacity (lb-ft.)	1,900	1,900	1,900	1,900
Overall Gear Ratio	14.94	15.04	22.35	41.08
Forward Gears	12	12	13	14
Reverse Gears	2 to 4	2 to 4	3 to 6	3 to 6
Dry Weight with Clutch and Oil Cooler (lbs.)	720	720	805	809
Max Haul Weight (1k lbs.)	143	143	220*	220*
Transmission Body Housing	Aluminum	Aluminum	Aluminum	Aluminum
Transmission Warranty — Heavy Duty	3 yrs/ 250k miles			
Clutch Warranty — Heavy Duty	3 yrs/ 250k miles			
Oil Drain Interval	3 yrs/ 250k miles			
Oil Volume (quarts)	16.2	16.2	17.9	17.9
Monitored by Remote Diagnostics	✓	✓	✓	✓
Remote Programming OTA	✓	✓	✓	✓
Hill Start Assist	✓	✓	✓	✓
Ability to Upgrade Engine Torque	✓	✓	✓	✓
Ability to Rock Free	✓	✓	✓	✓
Power Launch	✓	✓	✓	✓
Kick Down	✓	✓	✓	✓
Grade Sensor	✓	✓	✓	✓
Performance Software	✓	✓	✓	✓
Manual Mode	✓	✓	✓	✓
Ability to Lock in a Gear	✓	✓	✓	✓

* Capable of up to 220k GCW that includes Heavy Duty and Severe Duty Transmission Warranty.



**Allison 3000
RDS Series**

**Allison 4000
RDS Series**

**Allison 4500
RDS Series**

	Automatic	Automatic	Automatic
Max Torque Capacity (lb-ft.)	1,250	1,850	1,850
Overall Gear Ratio (span)	9.5	10.42	13.33
Forward Gears	6		
Reverse Gears	1		
Dry Weight with Clutch and Oil Cooler (lbs.)	625	943	943
Max Haul Weight (1k lbs.)	80k	Unlimited**	Unlimited**
Transmission Body Housing	Aluminum		
Transmission Warranty — Heavy Duty	3 yrs		
Clutch Warranty — Heavy Duty	N/A		
Oil Drain Interval	Prognostics		
Oil Volume (quarts)	32	53.2	53.2
Monitored by Remote Diagnostics	×	×	×
Remote Programming OTA	×	×	×
Hill Start Assist	√***	√***	√***
Ability to Upgrade Engine Torque	×	×	×
Ability to Rock Free	✓	✓	✓
Power Launch	√***	√***	√***
Kick Down	×	×	×
Grade Sensor	✓	✓	✓
Performance Software	✓	✓	✓
Manual Mode	√(limited)	√(limited)	√(limited)
Ability to Lock in a Gear	×	×	×

** If certain conditions are met.

*** With torque converter.