

# TECHNICAL SPECIFICATION

## VNL82T300 Daycab - 124" BBC

				WEIGHT (LB)	
MODEL PACKAGE		DESCRIPTION		FRONT	REAR
S	012382	MARKETING MODEL	VNL82T300	0	0
S	99X76X	MANUFACTURING LOCATION	VOLVO TRUCKS - ASSEMBLED IN THE USA	0	0
S	007382	00 MODEL	VNL82T300	8,014	3,843
S	DDX10X	CHASSIS TYPE	TRACTOR	0	0
S	CDX20X	MODEL SERIES	VNL MODELS - 124" BBC	0	0
	M84033	INTENDED REGISTRATION LOCATION	NORTH CAROLINA	0	0
	MBT09T	VEHICLE CERTIFICATION	EPA (ONLY) FOR VOLVO 11L / 13L DIESEL	0	0

				WEIGHT (LB)	
VEHICLE ADAPTATION		DESCRIPTION		FRONT	REAR
	M46001	DEALERSHIP REGION	SOUTH-EAST REGION	0	0
S	36XF1X	LANGUAGE ON DECALS	ENGLISH/SPANISH LANGUAGE ON DECALS	0	0
S	38XCNX	OPERATOR'S MANUAL LANGUAGE	ENGLISH	0	0
S	GPXA1X	FEDERAL BRIDGE CALCULATION/SPIF CERTIFICATION	USA FEDERAL BRIDGE 34K LBS MAX REAR AXLE GAWR CALC (SEE VEHICLE CERTIFICATION SHEET FOR ACTUAL GVWR)	0	0
S	263007	VEHICLE APPLICATION	TRACTOR / GRAIN HAULER	0	0
S	DKXJCX	GROSS COMBINATION WEIGHT	90,390 LBS/41,000 KG (41 TONNES) GROSS COMBINATION WEIGHT	0	0
S	898002	VEHICLE WARRANTY QUALIFICATION	STANDARD NORMAL DUTY WARRANTY QUALIFIED	0	0
S	259001	VEHICLE VOCATION	LINEHAUL / LONG HAUL / REGIONAL HAUL SERVICE	0	0
S	260006	OPERATING CONDITIONS	ON HIGHWAY, STARTING GRADES <16%	0	0
S	QCXA1X	TOPOGRAPHY	MOSTLY FLAT, MOST GRADES <3% (EX. OHIO)	0	0
S	E1BD1X	AMBIENT TEMPERATURE UPPER LIMIT	SUMMER AMBIENT TEMPERATURES DO NOT REGULARLY EXCEED 104 DEGREE F (40 DEGREE C)	0	0
S	264001	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0
S	DHX10X	OPERATING CLASS	OPERATING CLASS ONE (ON HIGHWAY)	0	0
	938001	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0
	M85001	QUICK QUOTE PROCESS	QUICK QUOTE AUTO APPROVAL	0	0

				WEIGHT (LB)	
PASSIVE AND ACTIVE SAFETY		DESCRIPTION		FRONT	REAR
S	2CXD1X	CAB TYPE	300 - DAY CAB	0	0
S	DUXA1X	SRS AIR BAG	AIR BAG, BASIC CONFIGURATION	0	0
S	43X40X	AUXILIARY DOWN VIEW MIRROR	DOWN VIEW MIRROR OVER PASSENGER DOOR	0	0
S	8ZDAAX	STABILITY CONTROL REGULATIONS	ELECTRONIC STABILITY CONTROL, REGULATION FMVSS	0	0
S	ZMXA1X	ESP PACKAGE	VOLVO ENHANCED STABILITY TECHNOLOGY (VEST)	0	0
S	WPXB1X	ABS TRACTION CONTROL	6 CHANNEL TRACTION CONTROL WITH LIMITED DISABLE	0	0
S	H9CA1X	ADDITIONAL TRACTION CONTROL DISABLE	FULL DISABLE FOR TRACTION CONTROL	0	0
S	GCXJ2X	COLLISION AVOIDANCE SYSTEM	VOLVO ACTIVE DRIVER ASSIST (VADA 2.0) AND RIGHT SIDE BLIND SPOT DETECTION	12	0
S	5UCA1X	ACC OPTIONAL AUDIO FUNCTIONS	VADA 2.0 WARNING WITH VOLUME CONTROL	0	0
S	5VCB1X	VADA VOLUME CONTROL LEVEL	VADA 2.0 VOLUME LEVEL, MEDIUM	0	0

# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
PASSIVE AND ACTIVE SAFETY			DESCRIPTION	FRONT	REAR
<b>S</b>	X6BA1X	VADA TIME GAP	VADA 2.0 DRIVER ADJUSTABLE TIME GAP (FOLLOWING DISTANCE)	0	0
<b>S</b>	G6CACX	ACC TIME GAP CONFIG SETTING	MEDIUM ALERT CONFIGURATION	0	0
<b>S</b>	3MBA1X	PARK BRAKE ALARM	PARK BRAKE ALARM, SOUNDS IF BRAKE OFF AND DRIVER'S DOOR OPENED	0	0

				WEIGHT (LB)	
ENGINE			DESCRIPTION	FRONT	REAR
	1018F0	ENGINE PACKAGE	VOLVO D13 405HP 2100RPM 1450 LBFT - EPA'21 EMISSION LEVEL	347	0

				WEIGHT (LB)	
ENGINE EQUIPMENT			DESCRIPTION	FRONT	REAR
<b>S</b>	KWXA1X	AIR CLEANER	SINGLE STAGE AIR CLEANER	0	0
<b>S</b>	209012	RADIATOR COOLANT	EXTENDED LIFE ETHYLENE GLYCOL ANTI-FREEZE (RED), -34 F (-37 C)	0	0
<b>S</b>	208029	FAN CLUTCH PACKAGE	ELECTRONIC VISCOUS CSI FAN CLUTCH	0	0
<b>S</b>	NCXD1X	STARTER MOTOR	VOLVO 12V GEAR REDUCTION STARTER (MODEL 105P55)	0	0
<b>S</b>	PJXM3X	ALTERNATOR	165 AMP DELCO REMY 36SI ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE (12V)	0	0
<b>S</b>	810116	BATTERY PACKAGE	4 VOLVO 760 CCA MAINTENANCE FREE 12V BATTERIES, 3040 CCA	42	14
<b>S</b>	L4X15X	BATTERY BOX MOUNTING	BATTERY BOX, LEFT HAND SIDE, BEHIND FRONT FENDER	0	0
<b>S</b>	NQXA1X	BATTERY BOX CONFIGURATION	BATTERY BOX - 4 CAPACITY	0	0
<b>S</b>	L5XA1X	BATTERY BOX COVER	BASIC BATTERY BOX COVER	0	0
<b>S</b>	NFXA0X	BATTERY DISCONNECT SWITCH	MANUAL BATTERY DISCONNECT MAIN SWITCH	0	0
<b>S</b>	428001	DIESEL EXHAUST FLUID TANK	18.5 GALLON LEFT HAND 26", FRAME MOUNTED (FILLED WITH 10 GALLONS OF DEF, WEIGHING 91 LBS)	159	86
<b>S</b>	230048	EXHAUST SYSTEM	INTEGRATED DPF AND SCR MOUNTED RIGHT HAND SIDE UNDER CAB WITH SINGLE HORIZONTAL TAILPIPE	-33	-15
<b>S</b>	232093	EXHAUST OUTLET PACKAGE	HORIZONTAL ALUMINIZED STAINLESS STEEL TAIL PIPE	0	0
<b>S</b>	KNXC1X	EXHAUST SHIELD	ALUMINUM EXHAUST SHIELD	0	0
<b>S</b>	JVXH1X	PRIMARY FUEL FILTER	VOLVO DUAL ENGINE MOUNTED FUEL FILTERS WITH WATER SEPARATOR	0	0
<b>S</b>	VWXCAX	COMPRESSOR	WABCO 31.8 CFM COMPRESSOR	0	0
<b>S</b>	J2EAAX	ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC	0	0
<b>S</b>	QHXA1X	ENGINE OIL PAN	COMPOSITE OIL PAN (STANDARD OIL CHANGE INTERVALS)	0	0

				WEIGHT (LB)	
TRANSMISSION			DESCRIPTION	FRONT	REAR
<b>S</b>	270708	TRANSMISSION PACKAGE	VOLVO 12 SPEED I-SHIFT SEVERE DUTY, ATO2612F OVERDRIVE	3	0
<b>S</b>	295003	TRANSMISSION ELECTRONICS PACKAGE	ECONOMY I-SHIFT TRANSMISSION ELECTRONICS	0	0
<b>S</b>	RVXH2X	GEAR SHIFT CONTROL	GEAR SHIFT, DASH MOUNTED, BASIC, VOLVO I-SHIFT	0	0
<b>S</b>	N1DA1X	PRE-VIEW TOPOGRAPHY	VOLVO I-SEE LEARNING FOR I-SHIFT TRANSMISSION	0	0
<b>S</b>	7HAB1X	ECO-ROLL CONTROL	VOLVO I-SHIFT ECO-ROLL CONTROL, STALK	0	0
<b>S</b>	B1EA1X	TRANSMISSION AUTO NEUTRAL ON P-BRAKE	VOLVO I-SHIFT TRANSMISSION AUTO NEUTRAL ON PARK BRAKE	0	0
<b>S</b>	3IAA2X	HILL START ASSIST	HILL START ASSIST	0	0
<b>S</b>	T2XB1X	TRANSMISSION COOLER	WATER TO OIL TRANS COOLER MOUNTED ON TRANSMISSION	0	0

# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
TRANSMISSION		DESCRIPTION		FRONT	REAR
S	D4AA1X	AMT/AUTOMATIC TRANS PTO FUNCT.	TRANSMISSION PTO FUNCTIONS BASIC	0	0
S	195104	DRIVELINE - MAIN	MERITOR RPL35, WITH CROSS SERRATED JOINT (PROPS-XL)	0	0
S	THXE1X	DRIVELINE MANUFACTURER	MERITOR RPL SERIES DRIVELINE	166	166
S	250111	CLUTCH	VOLVO SACHS 17" SINGLE PLATE DAMPENED ORGANIC FOR I-SHIFT	0	0

				WEIGHT (LB)	
PROGRAMMABLE FEATURES		DESCRIPTION		FRONT	REAR
	9KAA1X	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, BASIC	0	0
S	A3AAAX	ENGINE IDLE AUTOMATIC SHUTDOWN (AL)	ENGINE IDLE SHUTDOWN, ENABLE	0	0
S	E0XFLX	ENGINE IDLE SHUTDOWN TIME (AM)	IDLE SHUTDOWN TIME 5 MINUTES	0	0
S	K7XA1X	ENGINE IDLE CONTROL (CMQ)	BASIC ENGINE IDLE CONTROL	0	0
S	D3AAEX	AMBIENT TEMP MAX THRESHOLD (CMO)	MAXIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 80 DEG F (27 DEG C)	0	0
S	D2AACX	AMBIENT TEMP MIN THRESHOLD (CMN)	MINIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 45 DEG F (7 DEG C)	0	0
S	JDXD1X	CRUISE CONTROL (AG)	WITH ECO CRUISE CONTROL	0	0
S	JFXLRX	CRUISE CONTROL, MAXIMUM SPEED (AI)	MAXIMUM CRUISE, 68 MPH (110 KM/H)	0	0
S	Y3CC5X	PEDAL ROAD SPEED LIMIT SETTING (P1I16)	PEDAL ROAD SPEED LIMIT, 65 MPH (105 KM/H)	0	0
S	JCXF1X	ROAD SPEED LIMIT SETTING (P1AOC)	ROAD SPEED LIMIT, 68 MPH (110 KM/H)	0	0
S	U4AA1X	GEAR DOWN VEHICLE SPEED LIMITER (P1AL0)	GEAR DOWN VEHICLE SPEED LIMITER ENABLED	0	0
S	U5AL1X	GEAR DOWN VEHICLE SPEED LIMIT (P1AOD)	GEAR DOWN VEHICLE SPEED, 63 MPH (101 KM/H)	0	0
S	E3AAFX	CRUISE CONTROL MIN SPEED (BK)	MIN CRUISE, 35 MPH (56 KM/H)	0	0
S	E5AAEX	ENG BRAKE ENGAGE IN CRUISE (AF)	ENGAGE ENGINE BRAKE 5 MPH (8.0 KM/H) ABOVE SET CRUISE SPEED	0	0
S	X2BA1X	ROAD SPEED LIMIT CONTROL TYPE (P1I01)	WITH ECO RSL CONTROL	0	0
S	0NAA1X	OPTIMIZED FUEL ECON INDICATOR (P1LXM)	OPTIMIZED FUEL ECONOMY INDICATOR, SWEET SPOT	0	0
S	X1BA1X	ENGINE LOAD IN PTO (CMM)	30% MINIMUM ENGINE LOAD LIMIT IN PTO BEFORE ALLOW IDLE SHUTDOWN	0	0
S	W5BA1X	MAXIMUM ENGINE SPEED AT 0 MPH (P1ANA)	1000 MAXIMUM ENGINE RPM AT 0 MPH	0	0
S	X4BA1X	COOLANT WARM HOLD TEMP (KBS)	COOLANT WARM HOLD TEMP ENABLED	0	0
S	R4BA1X	PRE-TRIP DIAGNOSTIC INSPECTION (JZU)	PRE-TRIP DIAGNOSTICS INSPECTION	0	0
S	K5XA2X	ENGINE PROTECTION SYSTEM (P1FQT)	ENGINE PROTECTION (SHUTDOWN)	0	0
S	EXXGQX	PTO MAXIMUM ENGINE SET SPEED (AND)	PTO ENGINE MAXIMUM 650 RPM	0	0
S	EYXGQX	PTO RESUME ENGINE SET SPEED (ANE)	PTO ENGINE RESUME 650 RPM	0	0

				WEIGHT (LB)	
FRONT AXLE		DESCRIPTION		FRONT	REAR
S	370402	FRONT AXLE PACKAGE	VOLVO VF14 13,200 LB FRONT SPRINGS	20	0
S	YNXB1X	FRONT STABILIZER	FRONT STABILIZER	86	0
S	70BC1X	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 250 FT (76M)	0	0
S	782012	FRONT BRAKE & HUB PACKAGE	FRONT BRAKE VOLVO, DISC, LIGHTWEIGHT	0	0

# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
FRONT AXLE		DESCRIPTION		FRONT	REAR
<b>S</b>	U5XF1X	FRONT BRAKE DIMENSION	17 INCH DIAMETER FRONT DISC BRAKE	0	0
<b>S</b>	U3XD1X	BRAKE TYPE, FRONT AXLE	LIGHTWEIGHT DISC FRONT AXLE BRAKE	0	0
<b>S</b>	LQXT4X	FRONT BRAKE LINING MATERIAL	BRAKE LINING MATERIAL, FRONT, TMD TX7400N	0	0
<b>S</b>	K2EA1X	BRAKE SHOE COATING FRONT	BRAKE SHOE COATING FRONT, BASIC	0	0
<b>S</b>	0KXI1X	HUBS, FRONT AXLE	ALUMINIUM PRESET PLUS FRONT AXLE HUBS WITH SKF HUBCAPS	0	0
	162002	FRONT AXLE LUBRICANT	SYNTHETIC OIL, SHELL 75W90 FRONT AXLE LUBRICANT	0	0
<b>S</b>	XAXBFX	POWER STEERING GEAR	TRW THP60 INTEGRAL POWER STEERING GEAR	0	0
<b>S</b>	M0XA1X	STEERING SHAFT TYPE	BASIC STEERING SHAFT	0	0
<b>S</b>	371001	FRONT SUSPENSION PACKAGE	59" PARABOLIC LEAF FRONT SUSPENSION MATCHED TO FRONT AXLE CAPACITY	16	0
<b>S</b>	IRXA1X	FRONT SUSP MAINTENANCE	LUBRICATED SPRING PINS AND BUSHINGS	0	0

				WEIGHT (LB)	
REAR AXLE		DESCRIPTION		FRONT	REAR
<b>S</b>	330730	REAR AXLE PACKAGE	MERITOR MS23-17XHE 23,000 LB CAPACITY, DUALTRAC	0	20
<b>S</b>	TAXCZX	REAR AXLE RATIO	2.85 REAR AXLE RATIO	0	0
<b>S</b>	TUXA1X	DIFFERENTIAL LOCK	FULL LOCKING WHEEL DIFFERENTIAL	0	64
<b>S</b>	350501	REAR SUSPENSION PACKAGE	23,000 LB PRIMAAX AIR SUSPENSION	0	419
<b>S</b>	340001	VOLVO SMART SUSPENSION PACKAGE	VOLVO SMART SUSPENSION BASIC - MANUAL STANDBY	0	0
<b>S</b>	YVXA1X	REAR SHOCK ABSORBER	SHOCK ABSORBERS, DRIVE AXLES	0	0
<b>S</b>	783019	REAR BRAKE & HUB PACKAGE	REAR BRAKE VOLVO DISC, LIGHTWEIGHT	0	0
<b>S</b>	U8XF1X	DRIVE AXLE BRAKE DIMENSION	17 INCH DIAMETER REAR DISC BRAKE	0	0
<b>S</b>	U4XD1X	BRAKE TYPE, DRIVE AXLE	LIGHTWEIGHT DISC DRIVE AXLE BRAKE	0	0
<b>S</b>	MAXT5X	DRIVE AXLE BRAKE LINING MATERIAL	BRAKE LINING MATERIAL, DRIVE, TMD TX7400N	0	0
<b>S</b>	J8EA1X	BRAKE SHOE COATING DRIVE	BRAKE SHOE COATING DRIVE, BASIC	0	0
<b>S</b>	OLXI1X	HUBS, DRIVE AXLE	ALUMINIUM PRESET PLUS DRIVE AXLE HUB WITH INTEGRATED SPINDLE NUT	0	0
<b>S</b>	163002	DRIVE AXLE LUBRICANT	SYNTHETIC OIL, SHELL 75W90 DRIVE AXLE LUBRICANT	0	0
<b>S</b>	781082	PARKING BRAKE CHAMBER PACKAGE	FOUR PARK CHAMBERS WABCO DISC	0	0
<b>S</b>	V1AE3X	REAR BRAKE CHAMBER SIZE	REAR BRAKE CHAMBER 24 / 24 SQ INCHES (SERVICE / EMERGENCY)	0	0
<b>S</b>	UKXA1X	CHAMBER STROKE LENGTH, DRIVE AXLE	BASIC LENGTH BRAKE CHAMBER STROKE	0	0
<b>S</b>	784049	DRUM BRAKE SLACK ADJUSTERS	VOLVO DISC BRAKE FRONT, REAR, PUSHER, AND TAG	0	0
<b>S</b>	O5BD1X	FRONT BRAKE CHAMBER SIZE	FRONT BRAKE CHAMBER 24 SQUARE INCHES (SERVICE)	0	0

				WEIGHT (LB)	
AUXILIARY AXLE		DESCRIPTION		FRONT	REAR
<b>S</b>	335074	AUXILIARY AXLE PACKAGE	13,000 LB LINK STEERABLE PUSHER AND 20,000 LB LINK NON-STEERABLE TAG	0	0
<b>S</b>	164001	PUSHER AXLE LUBRICANT	MINERAL OIL, CENEX 80W90 PUSHER AXLE LUBRICANT	0	0
<b>S</b>	165001	TAG AXLE LUBRICANT	MINERAL OIL, CENEX 80W90 TAG AXLE LUBRICANT	0	0
<b>S</b>	L8DD1X	AUX AXLE SUSP. ELEC. CONTROL	ADAPTIVE LOADING, NON-DRIVEN AXLE LIFT MODE: DRIVE AXLE WEIGHT - 16,800 LBS (7,635 KG) OR LESS	0	0
<b>S</b>	GYXHHX	FIRST PUSHER AXLE SPACING	58" (1470MM) AHEAD OF FWD DRIVE AXLE	69	-68
<b>S</b>	G1XGOX	TAG AXLE SPACING	52" (1320MM) BEHIND FWD DRIVE AXLE	0	0

TECHNICAL SPECIFICATION (cont.)

				WEIGHT (LB)	
AUXILIARY AXLE		DESCRIPTION		FRONT	REAR
S	U9XACX	AUXILIARY AXLE BRAKE DIMENSION	17 INCH DIAMETER AUXILIARY AXLE DISC BRAKE	0	0
S	U6XD2X	BRAKE TYPE, AUXILIARY AXLE	BRAKE, TRAILING, DISC LIGHT WEIGHT	0	0
S	785022	PUSHER AND TAG AXLE BRAKE PACKAGE	PUSHER BRAKE 13,000 LB LINK & TAG BRAKE 20,000 LINK, VOLVO DISC	0	0
	UFXA1X	AUXILIARY AXLE BRAKE DUST SHIELDS	AUXILIARY AXLE BRAKE DUST SHIELDS	0	5
S	Q1BT4X	BRAKE LINING MATERIAL, TAG	BRAKE LINING MATERIAL, TAG, TMD TX7400N	0	0
S	Q2BT4X	BRAKE LINING MATERIAL, PUSHER	BRAKE LINING MATERIAL, PUSHER, TMD TX7400N	0	0
S	786015	PUSHER AND TAG AXLE BRAKE CHAMBER PACKAGE	PUSHER 13,000 LB LINK & TAG 20,000 LINK WITH WABCO BRAKE CHAMBERS	0	0
S	Q5BF1X	TAG BRAKE CHAMBER SIZE	TAG BRAKE CHAMBER SIZE 24 / 24 SQ INCHES (SERVICE/EMERGENCY)	0	0
S	Q6BD1X	PUSHER BRAKE CHAMBER SIZE	PUSHER BRAKE CHAMBER 24SQ INCHES	0	0
S	8CXA1X	AUXILIARY AXLE CONTROL LOCATION	OUTSIDE CAB AUXILIARY AXLE CONTROL, UP/DOWN SWITCH, AIR REGULATOR AND GAUGE OUTSIDE OF CAB	0	0
S	0NXD1X	HUBS, AUXILIARY AXLE	ALUMINUM PRESET PLUS AUXILIARY AXLE HUB WITH INTEGRATED SPINDLE NUT	0	0

				WEIGHT (LB)	
CHASSIS		DESCRIPTION		FRONT	REAR
S	3XBHAX	DRIVER SIDE FRONT CHASSIS CONFIGURATION	LEFT HAND BATTERY BOX - 4 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VNL / VNR)	0	0
S	3YBAFX	PASSENGER SIDE FRONT CHASSIS CONFIGURATION	INTEGRATED DPF & SCR (VNR / VNL / VHDB)	0	0
S	400242	WHEELBASE	242" WHEELBASE	384	384
S	402082	OVERHANG	82" OVERHANG	0	258
S	KBXB1X	FUEL TANK SHAPE, LIQUID	26" DIA CYLINDRICAL FUEL TANK	0	0
S	J8XB1X	LIQUID FUEL TANK, LEFTHAND SIDE	75 GALLON LEFT HAND FUEL TANK	0	0
S	KEXA1X	FUEL TANK MATERIAL, LIQUID	ALUMINUM FUEL TANK MATERIAL	0	0
S	HBXB1X	FUEL TANK POSITION - DIESEL	FUEL TANK POSITION 1	0	0
S	427998	HYDRAULIC OIL TANK PACKAGE	NO HYDRAULIC OIL TANK PROVIDED	0	0
S	8NAA1X	DPF COVER	DPF COVER, PAINTED STEEL	0	0
S	U6BA1X	DEF TANK COVER	PAINTED DIESEL EXHAUST FLUID TANK COVER	0	0
S	JHXA1X	FUEL LINES	NYLON FUEL LINES	0	0
S	KHXA1X	FUEL TANK STRAPS	PAINTED STEEL FUEL TANK STRAPS	0	0
S	KFXA1X	FUEL TANK CAP	NON-LOCKING FUEL TANK CAP	0	0
S	8HAA1X	AIR TANK ARRANGEMENT	AIR TANK ARRANGEMENT, BASIC	0	0
S	U2XB1X	AIR TANKS	STEEL AIR TANK	0	0
S	VHXE5X	AIR DRYER	WABCO AIR DRYER SS - HP WITHOUT TURBO CUT OFF VALVE WITH COALESCING FILTER	0	0
S	UWXD1X	AIR TANK DRAIN VALVE	MANUAL DRAIN VALVES, LANYARD ON WET TANK	0	0
S	403005	FRAME RAIL PACKAGE	11.81"X3.54"X.31" STRAIGHT STEEL RAILS	0	0
S	8EXB1X	INTERMEDIATE CROSSMEMBER MATERIAL	STEEL CROSSMEMBER MATERIAL	40	42
S	X8XB1X	FORWARD REAR SUSP CROSSMEMBER MATERIAL	STEEL CROSSMEMBER MATERIAL	0	0
S	ZIXA1X	CROSSMEMBER, BOGIE, MATERIAL	STEEL CROSSMEMBER MATERIAL	0	0
S	X6XB1X	REAR FRAME TREATMENT	TAPERED REAR CROSSMEMBER, 27 DEGREE	0	23
S	4DXB2X	FRONT BUMPER	PAINTED MOLDED AERODYNAMIC BUMPER WITH DRAG REDUCTION PLATE	9	0
S	F7BA1X	BUMPER REINFORCEMENT	BUMPER REINFORCEMENT	23	0
S	65XB1X	FRONT FENDER EXTENSION	NO FRONT FENDER EXTENSION PROVIDED	0	0

# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
CHASSIS		DESCRIPTION		FRONT	REAR
<b>S</b>	5EXZ1X	PROTECTION PLATE, RADIATOR/OIL PAN	NO LOWER RADIATOR PROTECTION PROVIDED	-8	0
<b>S</b>	4EXB1X	FRONT TOWING DEVICE	TWO FRONT TOWING DEVICES	0	0
<b>S</b>	Q8CH1X	CHASSIS WIRING HARNESS CASING	HEAVY DUTY MAIN CHASSIS WIRING HARNESS COVERING	0	0
<b>S</b>	U7CFLX	LH FUEL TANK FACE LOCATION	LH FUEL TANK FRONT FACE @ XM=4957	0	0

				WEIGHT (LB)	
TRANSPORT ADAPTATION		DESCRIPTION		FRONT	REAR
<b>S</b>	490244	FIFTH WHEEL PACKAGE	FONTAINE 6000 NO-SLACK II STATIONARY LEFT HAND RELEASE	29	285
<b>S</b>	E5BADX	GROUND TO 5TH WHEEL TOP HGT.	48.0" FIFTH WHEEL HEIGHT	0	0
<b>S</b>	6BXZAX	FIFTH WHEEL REARMOST POSITION	0" AHEAD FORWARD DRIVE AXLE CENTER	0	0
<b>S</b>	LIXA1X	FIFTH WHEEL ANGLE MATERIAL	STEEL FIFTH WHEEL ANGLES	0	0
<b>S</b>	51XA1X	HOSEHANGERS	DUMMY GLADHANDS AND CABLE STORAGE BRACKET LEFT HAND BACK OF CAB REACHABLE FROM GROUND	0	0
<b>S</b>	WHXD1X	TRAILER BRAKE CONNECTION POSITION	CAB MOUNTED TRAILER BRAKE CONNECTION	0	0
<b>S</b>	52XA1X	TRAILER ELECTRICAL CABLE	FIXED TRAILER CABLE	0	0
<b>S</b>	5ZXB1X	TRAILER BRAKE HOSES & CABLES	12' COILED TRAILER BRAKE AIR HOSES; ABS CABLE W/ 48" LEAD	0	0
<b>S</b>	WLXC1X	TRAILER BRAKE HAND CONTROL	DELETE TRAILER BRAKE HAND CONTROL	0	0
<b>S</b>	6WXZ1X	CENTER CONSOLE FOR BODY CONTROLS	NO MOUNTING PLATE OR CONSOLE PROVIDED	-2	0

				WEIGHT (LB)	
CALCULATED CODES - KAX		DESCRIPTION		FRONT	REAR
<b>S</b>	9JXA1X	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0

				WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION		FRONT	REAR
<b>S</b>	4SXC1X	AERODYNAMIC DEVICE CAB SIDE	CAB SIDE FAIRINGS WITH EXTENDERS	23	27
<b>S</b>	2DX30X	CAB SUSPENSION	AIR RIDE CAB SUSPENSION WITH LATERAL DAMPENERS	-11	-2
<b>S</b>	21XA1X	AUXILIARY REAR WINDOW	STANDARD REAR WINDOW	0	0
<b>S</b>	D2XA1X	WIPER BLADES	WIPER BLADES, BASIC	0	0
<b>S</b>	28XB1X	FRONT GRILLE	CHROME PLATED FRONT GRILLE	0	0
<b>S</b>	0EAC1X	AIR INTAKE GRILLE, FINISH	AIR INTAKE GRILLE, BLACK	0	0
<b>S</b>	3FX49X	EXTERIOR SIDE VIEW MIRRORS	BLACK AERODYNAMIC MIRRORS	0	0
<b>S</b>	3GXC1X	EXTERIOR MIRROR FEATURES	HEATED, POWER AXIS MIRROR, BOTH SIDES	3	0
<b>S</b>	87AAAX	MIRROR ARM WIND DEFLECTOR	INTEGRAL MIRROR ARM SHROUD AND A-PILLAR AIR-FLOW DEVICE	3	0
<b>S</b>	LZXD1X	AIR HORN	DUAL TRUMPET MOUNTED UNDER CAB	0	0
<b>S</b>	4NXB1X	EXTERIOR SUNVISOR	EXTERIOR SUN VISOR WITH CLEAR LENS LED MARKER LAMPS	0	0
<b>S</b>	T3CA1X	EXTERIOR BRAND BADGING (CA)	EXTERIOR BADGES & EMBLEMS	0	0

				WEIGHT (LB)	
CAB INTERIOR		DESCRIPTION		FRONT	REAR
<b>S</b>	540088	INTERIOR TRIM LEVEL	FLEET - VINYL PANELS WITH METAL HEX TRIM	0	0

# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
CAB INTERIOR		DESCRIPTION		FRONT	REAR
<b>S</b>	1DAF1X	SEAT MFG. AND SERIES, DRIVER	NATIONAL DRIVER SEAT	0	0
<b>S</b>	I5DA1X	SEAT PROFILE, DRIVER	STANDARD WIDTH DRIVER SEAT	0	0
<b>S</b>	520101	DRIVER SEAT	X1 WREN VINYL	0	0
<b>S</b>	3ZXG2X	DRIVER SEAT SUPPORT	DRIVER SEAT - AIR SUSPENDED	0	0
<b>S</b>	I7DA1X	SEAT COMFORT, DRIVER	DRIVER SEAT - ONE AIR ADJUSTABLE LUMBAR CHAMBER	0	0
<b>S</b>	1GAF1X	SEAT MFG. & SERIES, PASSENGER	NATIONAL PASSENGER SEAT	0	0
<b>S</b>	I6DA1X	SEAT PROFILE, PASSENGER	STANDARD WIDTH PASSENGER SEAT	0	0
<b>S</b>	521101	PASSENGER SEAT	X1 WREN VINYL	0	0
<b>S</b>	34XAAX	PASSENGER SEAT SUPPORT	PASSENGER SEAT - FIXED WITH INTEGRATED STORAGE	0	0
<b>S</b>	0HAA1X	SEAT SUPPORT, DUST COVER	SEAT BASE DUST COVER, DRIVER SIDE	0	0
<b>S</b>	K7AA1X	SAFETY BELT LENGTH	STANDARD SAFETY BELT LENGTH	0	0
<b>S</b>	OUXA1X	SAFETY BELT DRIVER SEAT	SAFETY BELT DRIVER SEAT, BLACK	0	0
<b>S</b>	OXXA1X	SAFETY BELT PASSENGER SEAT	SAFETY BELT PASSENGER SEAT, BLACK	0	0
<b>S</b>	4AXB1X	CLIMATE UNIT	INTEGRAL AIR CONDITIONER WITH HEATER - MANUAL CONTROLS	0	0
<b>S</b>	31XK2X	FLOOR MATS	FRONT FLOOR INSERTS, RUBBER	0	0
<b>S</b>	4JXD1X	STORAGE OVERHEAD DRIVER	NETTED OVERHEAD STORAGE (DRIVER / PASSENGER SIDES) WITH CB MOUNTING AND AUXILIARY SWITCHES	0	0
<b>S</b>	XRXB1X	STEERING WHEEL ADJUSTMENT	STANDARD STEERING WHEEL ADJUSTMENT	0	0
<b>S</b>	7BAA3X	STEERING WHEEL MATERIAL	STANDARD STEERING WHEEL COVERING	0	0
<b>S</b>	571021	GAUGE PACKAGE	TEN GAUGE INSTRUMENT CLUSTER	0	0
<b>S</b>	PVXA2X	AIR RESTRICTION INDICATOR	GRADUATED ARI ON FILTER	0	0
<b>S</b>	N8XD1X	SPEEDOMETER GRADUATION	MPH SPEEDOMETER GRADUATION	0	0

				WEIGHT (LB)	
LIGHTING		DESCRIPTION		FRONT	REAR
<b>S</b>	P8XB9X	HEADLAMPS	LED HEADLAMPS WITH SIGNATURE DRL	0	0
<b>S</b>	LSXG1X	DAYTIME RUNNING LAMPS (DRL)	EQUIPPED WITH DAYTIME RUNNING LIGHTS	0	0
<b>S</b>	NEXH1X	STOP AND TAIL LIGHTS	DUAL INTEGRATED SUPER 60 LED TAIL LIGHTS, SEPARATE LED BACKUP LIGHT, ALL MTD IN TAPERED CROSSMEMBER	0	0
<b>S</b>	NPXB1X	TURN SIGNAL SWITCH	SELF CANCELLING TURN SIGNAL	0	0

				WEIGHT (LB)	
AUDIO SYSTEM		DESCRIPTION		FRONT	REAR
<b>S</b>	590031	RADIO PACKAGE	AM / FM / MP3 / USB / BLUETOOTH RADIO	0	0
<b>S</b>	73AJ1X	RADIO ANTENNA	SINGLE RIGHT HAND 48 INCH MIRROR MOUNTED RADIO ANTENNA	3	0
<b>S</b>	LYXF1X	STEERING WHEEL CONTROLS	WITH STEERING WHEEL SWITCHES	3	0
<b>S</b>	NOXA1X	MARKER INTERRUPTER SWITCH	MARKER INTERRUPTER SWITCH	0	0
<b>S</b>	5CXA1X	RADIO SPEAKERS	SPEAKERS IN DASH ONLY	0	0
<b>S</b>	5JXB1X	CB RADIO MOUNTING	OVERHEAD MOUNTED CB HOLD DOWN	0	0
<b>S</b>	5BXB5X	CB ANTENNA	SINGLE LEFT HAND 48 INCH MIRROR MOUNTED CB ANTENNA	0	0



# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
MISC CAB EQUIPMENT		DESCRIPTION		FRONT	REAR
<b>S</b>	2XX35X	WINDOW LIFT	POWER WINDOW LIFT BOTH DOORS	7	5
<b>S</b>	3AXB1X	DOOR LOCKS CAB	MANUAL CAB DOOR LOCKS	0	0
<b>S</b>	20XA1X	KEY TYPE	BASIC UNIQUE KEY	0	0
<b>S</b>	8BXB1X	KEY QUANTITY PER UNIT	4 KEYS PROVIDED PER UNIT	0	0
<b>S</b>	EAXA1X	AUXILIARY SWITCH	ONE (1) AUXILIARY SWITCH WITH WIRING, 15 AMP	0	0

				WEIGHT (LB)	
TIRES AND WHEELS FRONT		DESCRIPTION		FRONT	REAR
	0930D4	TIRE PACKAGE FRONT	295/75R22.5H BRIDGESTONE R213 ECOPIA (14320 LBS. GAWR) LONG / REGIONAL HAUL (Total for QTY = 2)	230	0
	4WCA1X	TIRE CLASSIFICATION FRONT (CA)	GHG FRONT TIRE CLASSIFICATION, ADVANCED LOW ROLLING RESISTANCE	0	0
<b>S</b>	084548	WHEEL PACKAGE FRONT	22.5X8.25 ALCOA HIGH POLISH ALUMINUM 286BC HUB PILOTED (Total for QTY = 2)	80	0
<b>S</b>	907002	FRONT WHEEL AND TIRE QUANTITY	TWO WHEELS AND TIRES FRONT	0	0

				WEIGHT (LB)	
TIRES AND WHEELS REAR		DESCRIPTION		FRONT	REAR
<b>S</b>	0940A1	TIRE PACKAGE DRIVE	295/75R22.5G BRIDGESTONE M713 ECOPIA (22700 LBS. GAWR) LONG / REGIONAL HAUL (Total for QTY = 4)	0	459
<b>S</b>	4XCA1X	TIRE CLASSIFICATION REAR (CA)	GHG REAR TIRE CLASSIFICATION, ADVANCED LOW ROLLING RESISTANCE	0	0
<b>S</b>	085548	WHEEL PACKAGE DRIVE	22.5X8.25 ALCOA HIGH POLISH ALUMINUM 286BC HUB PILOTED (Total for QTY = 4)	0	159
<b>S</b>	908004	DRIVE WHEEL AND TIRE QUANTITY	FOUR WHEELS AND TIRES DRIVE	0	0

				WEIGHT (LB)	
TIRES AND WHEELS AUXILIARY		DESCRIPTION		FRONT	REAR
	0950D3	TIRE PACKAGE AUXILIARY AXLE	295/75R22.5G BRIDGESTONE R213 ECOPIA (12350 LBS. GAWR) LONG / REGIONAL HAUL (Total for QTY = 6)	0	688
	4YCA1X	TIRE CLASSIFICATION AUXILIARY (CA)	GHG AUXILIARY TIRE CLASSIFICATION, ADVANCED LOW ROLLING RESISTANCE	0	0
<b>S</b>	086548	WHEEL PACKAGE AUXILIARY AXLE	22.5X8.25 ALCOA HIGH POLISH ALUMINUM 286BC HUB PILOTED (Total for QTY = 6)	0	239
<b>S</b>	0EXD1X	WHEEL & TIRE MOUNTING-AUXILIARY AXLE	SINGLE WHEEL/TIRE MOUNT PUSHER AXLE, DUAL WHEEL/TIRE MOUNT TAG AXLE	0	0
<b>S</b>	909006	AUXILIARY AXLE WHEEL AND TIRE QUANTITY	SIX WHEELS AND TIRES AUXILIARY AXLE	0	0

				WEIGHT (LB)	
MISC TIRE EQUIPMENT		DESCRIPTION		FRONT	REAR
<b>S</b>	15XABX	TIRE INFLATION VALVE	TIRE INFLATION VALVE, STANDARD	0	0

				WEIGHT (LB)	
PAINT		DESCRIPTION		FRONT	REAR
<b>S</b>	950800	CAB PAINT SCHEME	1 COLOR	0	0
<b>S</b>	9801T4	FIRST TRUCK COLOR	GLACIER WHITE; P3029	0	0
<b>S</b>	959998	NEW PAINT DEVELOPMENT FEE	NO NEW PAINT DEVELOPMENT FEE	0	0
	BG2012	PAINT BUG CODE	BUG CODE EY	0	0



# TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
PAINT		DESCRIPTION		FRONT	REAR
<b>S</b>	MPB980	CAB COLOR	CAB SAME AS FIRST COLOR	0	0
<b>S</b>	MPD980	HOOD COLOR	HOOD SAME AS FIRST COLOR	0	0
<b>S</b>	MPE980	COWL COLOR	COWL SAME AS FIRST COLOR	0	0
<b>S</b>	987980	BUMPER COLOR	BUMPER SAME AS FIRST COLOR	0	0
<b>S</b>	994998	ROOF FAIRING COLOR	NO ROOF FAIRING COLOR PROVIDED	0	0
<b>S</b>	996980	SUN VISOR COLOR	SUN VISOR SAME AS FIRST COLOR	0	0
<b>S</b>	9861U1	CHASSIS COLOR	BLACK; P3036	0	0
<b>S</b>	988401	DISC WHEEL OR RIM COLOR	STEEL DISC WHEELS - PREPAINTED WHITE, POWDER - COAT, ALUMINUM OR STYLIZED DISC - UNPAINTED	0	0

				WEIGHT (LB)	
BUSINESS SERVICES		DESCRIPTION		FRONT	REAR
<b>S</b>	9LAA1X	PRE-DELIVERY INSPECT LOCATION	PRE-DELIVERY INSPECTION, OUTSIDE FACTORY	0	0

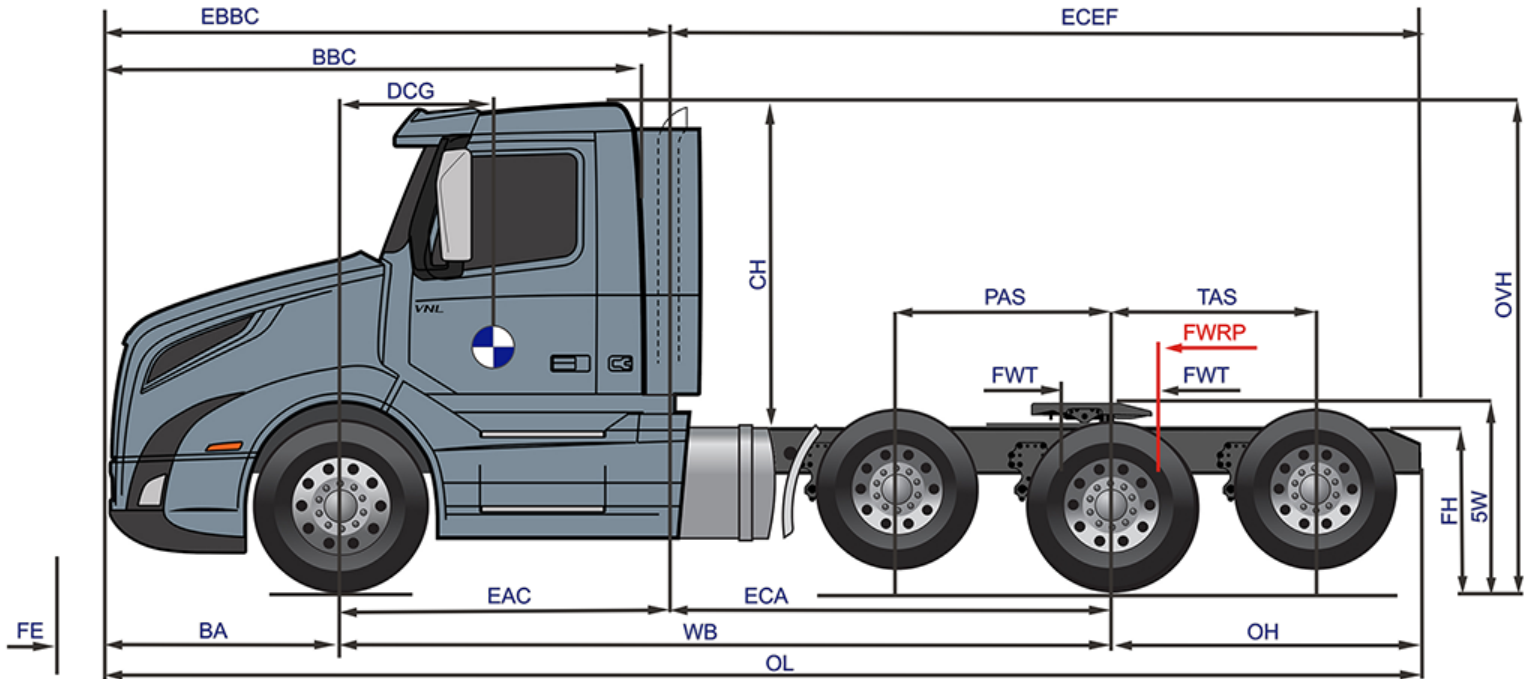
				WEIGHT (LB)	
OUTSIDE MODIFICATION PLANNING		DESCRIPTION		FRONT	REAR
<b>S</b>	612998	OUTSIDE MODIFICATION CNG TANK INSTALLATION PLANNING CODE	NO FONTAINE CNG TANK INSTALLATION PLANNING CODE	0	0
<b>S</b>	613998	OUTSIDE MODIFICATION BULKHAULER PLANNING CODE	NO FONTAINE BULKHAULER PLANNING CODE	0	0
<b>S</b>	615998	OUTSIDE MODIFICATION IN-SERVICE PLANNING CODE	NO FONTAINE IN-SERVICE PLANNING CODE	0	0
<b>S</b>	618998	OUTSIDE MODIFICATION AUXILIARY AXLE INSTALL CODE	NO FONTAINE AUXILIARY INSTALL	0	0
<b>S</b>	609998	OUTSIDE MODIFICATION LEAD TIME CODE	NO FONTAINE LEAD TIME	0	0

				WEIGHT (LB)	
BASE WARRANTY AND PURCHASED COVERAGES		DESCRIPTION		FRONT	REAR
<b>S</b>	899301	WARRANTY TYPE	NORMAL_DUTY_STANDARD_BASE_COVERAGE 12_MONTHS / 100,000_MILES	0	0
<b>S</b>	896900	VOLVO D11/D13 ENGINE EXTENDED COVERAGE	VOLVO D11/D13 BASE ENGINE COVERAGE - 24MTHS/250K MILES	0	0
	M8309T	EMISSION - SURCHARGE	EPA (ONLY) FOR VOLVO 11L / 13L DIESEL	0	0
<b>S</b>	M99998	CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS	NO CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS PROVIDED	0	0
<b>S</b>	875001	VEHICLE EMISSIONS COMPONENTS COVERAGE	US & CANADA VOLVO ENGINE EQUIPPED VEHICLE EMISSIONS COMPONENTS COVERAGE_60 MONTHS/100K_MILES	0	0
<b>S</b>	880106	TRANSMISSION COVERAGE	60 MO/750K MI: STANDARD WARRANTY, I-SHIFT SEVERE DUTY OR I-SHIFT W CRAWLER GEARS NORMAL DUTY	0	0
<b>S</b>	685998	CLUTCH COVERAGE	NO CLUTCH COVERAGE PROVIDED	0	0
<b>S</b>	888900	ADDITIONAL EXTENDED CHASSIS TOWING COVERAGE	BASE CHASSIS TOWING COVERAGE, 90 DAY/5000 MILE/8050 KILOMETER	0	0
<b>S</b>	874900	ADDITIONAL EXTENDED ENGINE TOWING COVERAGE	BASE VOLVO ENGINE TOWING COVERAGE, 24 MO/250K MILE	0	0
<b>S</b>	866011	REMOTE DIAGNOSTICS BUNDLE	REMOTE DIAGNOSTICS WITH REMOTE PROGRAMMING - 24 MONTHS	0	0
<b>S</b>	867001	UPTIME CENTER BUNDLE	ASIST AND VOLVO ACTION SERVICE - 24 MONTHS	0	0
<b>S</b>	862010	PREPAID API	WITHOUT PREPAID API	0	0

FRONT / REAR AXLE WEIGHTS (LB)				9703	7093
TOTAL WEIGHT (LB)				16795	

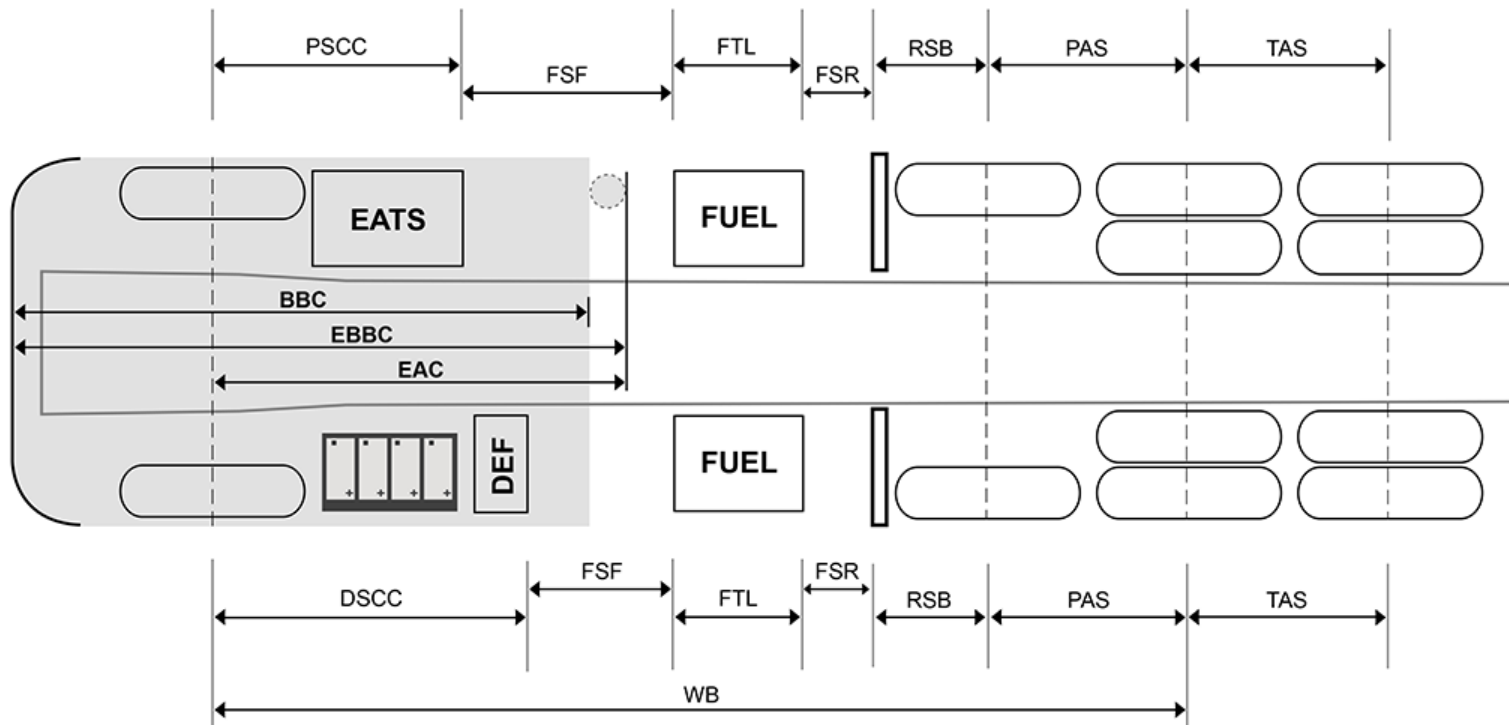
**VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY**

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	0.0	INCHES
Bumper to Front Axle	N/A	BA	53.7	INCHES
Eff. Bumper to Front Axle	N/A	N/A	53.7	INCHES
Wheelbase	N/A	WB	242.1	INCHES
Rear Overhang	N/A	OH	82.5	INCHES
Overall Length	N/A	OL	378.3	INCHES
Bumper to Back of Cab	N/A	BBC	124.0	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	124.0	INCHES
Eff. Cab to Rear Axle	N/A	ECA	171.8	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	70.3	INCHES
Eff. Cab to End of Frame	N/A	ECEF	254.3	INCHES
Unladen 5th Wheel Height	E5BADX	5W	48.0	INCHES
Unladen Frame Height	N/A	FH	40.3	INCHES
Cab Height	N/A	CH	75.0	INCHES
Overall Height	N/A	OVH	115.3	INCHES
Driver CG	N/A	DCG	50.0	INCHES
58" (1470MM) AHEAD OF FWD DRIVE AXLE	GYXHHX	PAS	57.9	INCHES
52" (1320MM) BEHIND FWD DRIVE AXLE	G1XGOX	TAS	52.0	INCHES



# VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	242.1	242.1
Eff. Front Axle to Back of Cab	N/A	EAC	70.3	70.3
75 GALLON LEFT HAND FUEL TANK / NO RIGHT HAND DIESEL TANK PROVIDED	J8XB1X / J9XK1X	FTL	36.0	0.0
Bumper to Back of Cab	N/A	BBC	124.0	124.0
Eff. Bumper to Back of Cab	N/A	EBBC	124.0	124.0
LEFT HAND BATTERY BOX - 4 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VNL / VNR)	3XBHAX	DSCC	78.5	N/A
INTEGRATED DPF & SCR (VNR / VNL / VHDB)	3YBAFX	PSCC	N/A	75.2
Frame Space Front	N/A	FSF	0.9	0.0
Frame Space Rear	N/A	FSF	40.9	81.1
13,000 LB LINK STEERABLE PUSHER AND 20,000 LB LINK NON-STEERABLE TAG	335074	RSB	28.0	28.0
PAS	GYHHX	PAS	57.9	57.9
TAS	G1XGOX	TAS	52.0	52.0



Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of  $\pm 4$  inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.



**Volvo Trucks**

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