



TECHNICAL SPECIFICATION

VNL64T300 Daycab

MODEL PACKAGE				WEIGHT (LB)	
				FRONT	REAR
S	012240	MARKETING MODEL	VNL64T300	0	0
S	007240	MODEL	DAY CAB	7,668	4,216
S	99X76X	ASSEMBLY PLANT	VOLVO TRUCKS - ASSEMBLED IN THE USA	0	0

VEHICLE ADAPTATION				WEIGHT (LB)	
				FRONT	REAR
S	114010	MARKET ADAPTATION	USA / USA TERRITORY MARKET ADAPTATION	0	0
S	36XF1X	LANGUAGE ON DECALS	ENGLISH/SPANISH LANGUAGE ON DECALS	0	0
S	38XCNX	FIRST PUBLICATION LANGUAGE	ENGLISH	0	0
S	263004	VEHICLE APPLICATION	TRACTOR / DRY VAN TRAILER OR CONTAINER	0	0
S	DKXG2X	GROSS COMBINATION WEIGHT	80,000 LB GROSS COMBINATION WEIGHT	0	0
S	2MCA1X	VEHICLE GHG CERTIFICATION	GREEN HOUSE GAS COMPLETE VEHICLE CERTIFICATION	0	0
S	3GCA1X	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS HIGHWAY APPLICATION	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	P1CZ1X	LOAD HANDLING EQ. CRANE	WITHOUT LOAD HANDLING EQUIPMENT, CRANE	0	0
S	P3CZ1X	LOAD HANDLING AND MISC. EQUIPM	WITHOUT MISCELLANEOUS LOAD HANDLING EQUIPMENT	0	0
S	260006	OPERATING TERRAIN GRADE 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	ROAD CONDITION	OPERATING CLASS ONE (ON HIGHWAY)	0	0
	938002	CUSTOMER FLEET SIZE	REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0

TECHNICAL SPECIFICATION *(cont.)*

VOLVO

PASSIVE AND ACTIVE SAFETY				WEIGHT (LB)	
				FRONT	REAR
S	2CXD1X	CAB VERSION	DAY CAB	0	0
S	DUXA1X	AIRBAG	VOLVO SRS AIR BAG-DRIVER SIDE ONLY	0	0
S	43X40X	CLOSE VIEW MIRROR, SIDE OF CAB	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	WPXA1X	TRACTION CONTROL	TRACTION CONTROL WITH LIMITED DISABLE	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
S	X6BA1X	VADA TIME GAP	VADA 2.0 DRIVER ADJUSTABLE TIME GAP (FOLLOWING DISTANCE)	0	0
S	G6CACX	ACC TIME GAP CONFIG SETTING	MEDIUM ALERT CONFIGURATION	0	0
S	2PEZ1X	DATA CAPTURE	WITHOUT DATA CAPTURE	0	0
S	3MBA1X	PARK BRAKE ALARM	PARK BRAKE ALARM, SOUNDS IF BRAKE OFF AND DRIVER'S DOOR OPENED	0	0

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

ENGINE EQUIPMENT				WEIGHT (LB)	
				FRONT	REAR
S	KWXA1X	AIR CLEANER TYPE	SINGLE STAGE AIR CLEANER	0	0
S	209012	RADIATOR COOLANT	EXTENDED LIFE ETHYLENE GLYCOL ANTI-FREEZE (RED), -34 F (-37 C)	0	0
S	208029	FAN CLUTCH PACKAGE	ELECTRONIC VISCOUS CSI FAN CLUTCH	0	0
S	NCXA5X	STARTER MOTOR	DELCO REMY 12V 39MTHD STARTER	0	0
S	PJXMOX	ALTERNATOR CAPACITY	165 AMP HIGH EFFICIENCY DELCO REMY 36SI PAD MOUNT ALTERNATOR (12V)	0	0
S	810111	BATTERY PACKAGE	2 VOLVO 1000 CCA MAINTENANCE FREE 12V BATTERIES, 2000 CCA	0	0
S	L4X15X	BATTERY BOX MOUNTING	BATTERY BOX, LEFT HAND SIDE, BEHIND FRONT FENDER	0	0
S	NQXA1X	BATTERY BOX CONFIGURATION	BATTERY BOX - 4 CAPACITY	0	0
S	NFXA0X	MAIN SWITCH	MANUAL BATTERY DISCONNECT MAIN SWITCH	0	0
S	428001	DIESEL EXHAUST FLUID TANK	18.5 GALLON LEFT HAND 26", FRAME MOUNTED (FILLED WITH 10 GALLONS OF DEF, WEIGHING 91 LBS)	159	86
S	230048	EXHAUST SYSTEM	INTEGRATED DPF AND SCR MOUNTED RIGHT HAND SIDE UNDER CAB WITH SINGLE HORIZONTAL TAILPIPE	-33	-15
S	232093	EXHAUST OUTLET PACKAGE	HORIZONTAL ALUMINIZED STAINLESS STEEL TAIL PIPE	0	0
S	KNXC1X	EXHAUST HEAT SHIELD	ALUMINUM EXHAUST SHIELD	0	0
S	JVXH1X	PRIMARY FUEL FILTER	VOLVO DUAL ENGINE MOUNTED FUEL FILTERS WITH WATER SEPARATOR	0	0
S	J7XBDX	AUX. FUEL SYSTEM EQUIPMENT	RETURN FUEL RECIRCULATION VALVE	0	0
S	VWXCAx	COMPRESSOR CAPACITY	WABCO 31.8 CFM COMPRESSOR	0	0
S	J2EAAX	ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC	0	0
S	QHXA1X	OIL SUMP	COMPOSITE OIL PAN (STANDARD OIL CHANGE INTERVALS)	0	0

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)		
TRANSMISSION	DESCRIPTION		FRONT	REAR	
S	270702	TRANSMISSION PACKAGE	VOLVO 12 SPEED I-SHIFT AT2612F DIRECT DRIVE	0	0
S	295003	TRANSMISSION ELECTRONICS PACKAGE	ECONOMY I-SHIFT TRANSMISSION ELECTRONICS	0	0
S	RVXH2X	GEAR SHIFT CONTROL	GEAR SHIFT, DASH MOUNTED, BASIC, VOLVO I-SHIFT	0	0
S	B1EA1X	TRANSMISSION AUTO NEUTRAL ON P-BRAKE	VOLVO I-SHIFT TRANSMISSION AUTO NEUTRAL ON PARK BRAKE	0	0
S	3IAA2X	HILL START ASSIST	HILL START ASSIST	0	0
S	4LDA1X	TRANSMISSION OUTPUT TORQUE	STANDARD OUTPUT TORQUE	0	0
S	779998	ALLISON INPUT AND OUTPUT PACKAGE	NO ALLISON INPUT AND OUTPUT PACKAGE	0	0
S	778998	FUEL SENSE PACKAGE	NO FUEL SENSE PACKAGE	0	0
S	T2XB1X	TRANSMISSION/RETARDER COOLER	WATER TO OIL TRANS COOLER MOUNTED ON TRANSMISSION	0	0
S	D4AA1X	AMT/AUTOMATIC TRANS PTO FUNCT.	TRANSMISSION PTO FUNCTIONS BASIC	0	0
S	195103	DRIVELINE - MAIN	MERITOR RPL25HD W/PERMALUBE U-JOINTS (PROPS-L)	0	0
S	THXE1X	PROPELLER SHAFT MANUFACTURER	MERITOR RPL SERIES DRIVELINE	84	84
S	204101	DRIVELINE - INTERAXLE	MERITOR RPL20	0	0
S	250111	CLUTCH	VOLVO SACHS 17" SINGLE PLATE DAMPENED ORGANIC FOR I-SHIFT	0	0

			WEIGHT (LB)		
PROGRAMMABLE FEATURES	DESCRIPTION		FRONT	REAR	
S	9KAB1X	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08	0	0
S	Y7BB1X	IDLE EMISSION LABEL LOCATION	CAB MOUNTED CARB 08 DECAL LOCATION	0	0
S	A3AAAX	IDLE SHUTDOWN	ENGINE IDLE SHUTDOWN, ENABLE	0	0
S	E0XFLX	ENGINE IDLE SHUTDOWN TIME	IDLE SHUTDOWN TIME 5 MINUTES	0	0
S	K7XA1X	ENGINE IDLE CONTROL	BASIC ENGINE IDLE CONTROL	0	0
S	D3AAEX	AMBIENT TEMP MAX TRESHOLD	MAXIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 80 DEG F (27 DEG C)	0	0
S	D2AACX	AMBIENT TEMP MIN TRESHOLD	MINIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 45 DEG F (7 DEG C)	0	0
S	JDXD1X	CRUISE CONTROL	WITH ECO CRUISE CONTROL	0	0
S	JFXLRX	CRUISE CONTROL, MAX SPEED	MAXIMUM CRUISE, 68 MPH (110 KM/H)	0	0
S	Y3CC5X	PEDAL RSL SETTING	PEDAL ROAD SPEED LIMIT, 65 MPH (105 KM/H)	0	0
S	JCXF1X	ROAD SPEED LIMITER SETTING	ROAD SPEED LIMIT, 68 MPH (110 KM/H)	0	0
S	U4AA1X	LOW GEAR LIMITING FEATURE	GEAR DOWN VEHICLE SPEED LIMITER ENABLED	0	0
S	U5AL1X	LOW GEAR LIMITING SPEED	GEAR DOWN VEHICLE SPEED, 63 MPH (101 KM/H)	0	0
S	E3AAFx	CRUISE CONTROL MIN SPEED	MIN CRUISE, 35 MPH (56 KM/H)	0	0
S	E5AAEX	ENG BRK ENGAGE IN CRUISE	ENGAGE ENGINE BRAKE 5 MPH (8.0 KM/H) ABOVE SET CRUISE SPEED	0	0
S	X2BA1X	ROAD SPEED LIMIT CONTROL TYPE	WITH ECO RSL CONTROL	0	0
S	0NAA1X	OPTIMIZED FUEL ECON INDICATOR	OPTIMIZED FUEL ECONOMY INDICATOR, SWEET SPOT	0	0
S	X1BA1X	ENGINE LOAD IN PTO	30% MINIMUM ENGINE LOAD LIMIT IN PTO BEFORE ALLOW IDLE SHUTDOWN	0	0
S	W5BA1X	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE RPM AT 0 MPH	0	0
S	X4BA1X	COOLANT WARM HOLD TEMP	COOLANT WARM HOLD TEMP ENABLED	0	0
S	R4BA1X	PRE-TRIP DIAGNOSTIC INSPECTION	PRE-TRIP ASSISTANT	0	0

TECHNICAL SPECIFICATION (cont.)



PROGRAMMABLE FEATURES		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	0RAD1X	REGENERATION CONTROLS, DPF		
		DPF REGEN CONTROL, AUTO REGEN IN MOTION, MANUAL PARKED REGEN, MANUAL INHIBIT	0	0
S	K5XA2X	ENGINE PROTECTION SYSTEM		
		ENGINE PROTECTION (SHUTDOWN)	0	0
S	EXXGQX	PTO MAX ENGINE SET SPEED		
		PTO ENGINE MAXIMUM 650 RPM	0	0
S	EYXGQX	PTO RESUME ENGINE SET SPEED		
		PTO ENGINE RESUME 650 RPM	0	0

FRONT AXLE		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	370400	FRONT AXLE PACKAGE		
		VOLVO VF12 12,000 LB FRONT SPRINGS	23	0
S	70BC1X	BRAKE REGULATION		
		BRAKE REGULATION, STOPPING DISTANCE 250 FT (76M)	0	0
S	782012	FRONT BRAKE PACKAGE		
		FRONT BRAKE VOLVO, DISC, LIGHTWEIGHT	0	0
S	U5XF1X	FRONT, BRAKE DIMENSION		
		17 INCH DIAMETER FRONT DISC BRAKE	0	0
S	U3XD1X	BRAKE, FRONT		
		LIGHTWEIGHT DISC FRONT AXLE BRAKE	0	0
S	LQXT4X	BRAKE LINING MATERIAL FRONT		
		BRAKE LINING MATERIAL, FRONT, TMD TX7400N	0	0
S	K2EA1X	BRAKE SHOE COATING FRONT		
		BRAKE SHOE COATING FRONT, BASIC	0	0
S	0KX11X	HUB MATERIAL, FRONT		
		ALUMINIUM PRESET PLUS FRONT AXLE HUBS WITH SKF HUBCAPS	0	0
S	7VXB1X	LUBRICANTS, FRONT AXLE		
		SYNTHETIC FRONT AXLE LUBRICANT	0	0
S	XAXBFX	STEERING GEAR RATIO		
		TRW THP60 INTEGRAL POWER STEERING GEAR	0	0
S	M0XA1X	STEERING SHAFT TYPE		
		BASIC STEERING SHAFT	0	0
S	371001	FRONT SUSPENSION PACKAGE		
		59" PARABOLIC LEAF FRONT SUSPENSION MATCHED TO FRONT AXLE CAPACITY	0	0
S	IRXA1X	FRONT SUSP MAINTENANCE		
		LUBRICATED SPRING PINS AND BUSHINGS	0	0

REAR AXLE		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	330688	REAR AXLE PACKAGE		
		MERITOR MT-40-14X3C AMBOID 40,000 LB CAPACITY	0	0
S	TAXBCX	REAR AXLE RATIO		
		2.47 REAR AXLE RATIO	0	0
S	TUXB1X	DIFFERENTIAL LOCK		
		INTERAXLE DIFFERENTIAL LOCK	0	0
S	350410	REAR SUSPENSION PACKAGE		
		38,000 LB VOLVO AIR SUSPENSION 52" SPACING	0	0
S	YVXA1X	REAR SHOCK ABSORBER		
		SHOCK ABSORBERS, DRIVE AXLES	0	0
S	783005	REAR BRAKE PACKAGE		
		REAR BRAKES MERITOR Q+, STAMPED, STANDARD LUBE	0	7
S	U8XA1X	REAR, BRAKE DIMENSION (DRIVE)		
		16.5X7 REAR BRAKE SIZE	0	0
S	U4XA1X	BRAKE, DRIVE, REAR		
		CAST IRON DRIVE AXLE BRAKE DRUM OUTBOARD MOUNTED	0	0
S	MAXBJX	BRAKE LINING MATERIAL DRIVE		
		BRAKE LINING MATERIAL DRIVE, MERITOR SOR2003	0	0
S	J8EA1X	BRAKE SHOE COATING DRIVE		
		BRAKE SHOE COATING DRIVE, BASIC	0	0
S	0LX11X	HUB MATERIAL, DRIVE		
		ALUMINIUM PRESET PLUS DRIVE AXLE HUB WITH INTEGRATED SPINDLE NUT	0	0
S	7WXADX	LUBRICANTS, REAR AXLE		
		CHEVRON DELO GEAR LUBRICANT ESI SAE 80W-90 (APPROVED FOR MERITOR EXTENDED COMPONENT WARRANTY)	0	0
S	781088	PARKING BRAKE CHAMBER PACKAGE		
		TWO CAM TYPE HALDEX WITH WABCO FRONT CHAMBERS	0	0
S	V1AB1X	REAR BRAKE CHAMBER SIZE		
		REAR BRAKE CHAMBER 30 / 30 SQ INCHES (SERVICE / EMERGENCY)	0	0
S	UKXA1X	BRAKE CYLINDER STROKE LENGTH		
		BASIC LENGTH BRAKE CHAMBER STROKE	0	0
S	784029	FRONT AND REAR SLACK ADJUSTERS		
		VOLVO DISC FRONT AND HALDEX REAR BRAKE ADJUSTER	0	0
S	O5BC3X	FRONT BRAKE CHAMBER SIZE		
		FRONT BRAKE CHAMBER 22 SQUARE INCHES (SERVICE)	0	0

TECHNICAL SPECIFICATION (cont.)



CHASSIS		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	3XBHAX	DRIVER SIDE FRONT CHASSIS CONFIGURATION		
S	3YBAFX	PASSENGER SIDE FRONT CHASSIS CONFIGURATION		
S	400172	WHEELBASE		
S	402055	OVERHANG		
S	KBXB1X	FUEL TANK SHAPE, LIQUID		
S	J8XB1X	LIQUID FUEL TANK, LEFTHAND SIDE		
S	KEXA1X	FUEL TANK MATERIAL, LIQUID		
S	HBXC1X	FUEL TANK POSITION - DIESEL		
S	427998	HYDRAULIC OIL TANK PACKAGE		
S	4TXA1X	AERODYN.DEVICE, CHASSIS		
S	45XC1X	AERODYN.DEVICE, CAB SKIRT		
S	U6BA1X	DEF TANK COVER		
S	JHXA1X	FUEL HOSES, LIQUID		
S	KHXA1X	FUEL TANK STRAPS MTRL		
S	KFXA1X	FUEL TANK CAP		
S	8HAA1X	AIR TANK ARRANGEMENT		
S	U2XB1X	AIRTANK MATERIAL		
S	VHXE5X	AIR DRYER - MANUFACTURER		
S	UWXD1X	AIRTANK DRAIN VALVE		
S	403002	FRAME RAIL PACKAGE		
S	8EXB1X	INTERMEDIATE X-MEMBER MATRL		
S	X8XB1X	FORW REAR SUSP. X-MEMBER MTRL		
S	ZIXA1X	CROSSMEMBER, BOGIE, MATERIAL		
S	X6XB1X	REAR FRAME TREATMENT		
S	4DXB7X	FRONT BUMPER		
S	F7BA1X	BUMPER REINFORCEMENT		
S	65XB1X	FRONT MUDGUARD EXTENSION		
S	5EXZ1X	GUARD		
S	4EXB1X	TOWING DEVICE, FRONT		
S	Q8CH1X	CHASSIS WIRING HARNESS CASING		
S	U7CFLX	LH FUEL TANK FACE LOCATION		

TRANSPORT ADAPTATION		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	490314	FIFTH WHEEL PACKAGE		
S	E5BASX	GROUND TO 5TH WHEEL TOP HGT.		
S	6JXA1X	FIFTH WHEEL TRAVEL		
S	6BX5XX	FIFTH WHEEL POSITION		
S	LIXA1X	FIFTH WHEEL ANGLE MATERIAL		
S	51XA1X	TRAILER BRAKE HOSEHANGER		
S	WHXD1X	TRAILER CONNECTION POSITION		
S	52XA1X	TRAILER ELECTR. CABLE		

TECHNICAL SPECIFICATION (cont.)



TRANSPORT ADAPTATION			DESCRIPTION	WEIGHT (LB)	
				FRONT	REAR
S	5ZXB1X	TRAILER BRAKE HOSES & CABLES	12' COILED TRAILER BRAKE HOSES AND CABLE	0	0
S	WLXC1X	TRAILER BRAKE CONTROL	DELETE TRAILER BRAKE HAND CONTROL	0	0

CALCULATED CODES - KAX			DESCRIPTION	WEIGHT (LB)	
				FRONT	REAR
S	9JA1X	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0

CAB EXTERIOR			DESCRIPTION	WEIGHT (LB)	
				FRONT	REAR
S	4SXA1X	AERODYN.DEVICE, CABSIDE	CAB SIDE FAIRINGS		
S	2DX30X	CAB SUSPENSION REAR	AIR RIDE CAB SUSPENSION WITH LATERAL DAMPENERS	20	23
S	21XA1X	AUXILIARY REAR WINDOW	STANDARD REAR WINDOW	-11	-2
S	D2XA1X	WIPER BLADE STYLE	WIPER BLADES	0	0
S	28XB1X	FRONT GRILLE	CHROME PLATED FRONT GRILLE	0	0
S	0EAC1X	AIR INTAKE GRILLE, FINISH	AIR INTAKE GRILLE, BLACK	0	0
S	LZXD1X	AUX. HORN	DUAL TRUMPET MOUNTED UNDER CAB	0	0
S	3FX49X	EXTERIOR MIRROR	BLACK AERODYNAMIC MIRRORS	0	0
S	3GXC1X	EXTERIOR MIRROR FEATURES	HEATED, POWER AXIS MIRROR, BOTH SIDES	0	0
S	4NXB1X	SUNVISOR, EXTERIOR	EXTERIOR SUN VISOR WITH CLEAR LENS LED MARKER LAMPS	3	0
S	88AJ8X	ANNIVERSARY BADGES	25 YEARS VNL ANNIVERSARY BADGES	0	0
S	T3CA1X	EXTERIOR BRAND BADGING (CA)	EXTERIOR BADGES & EMBLEMS	0	0

CAB INTERIOR			DESCRIPTION	WEIGHT (LB)	
				FRONT	REAR
S	540088	INTERIOR TRIM PACKAGE	FLEET - VINYL PANELS WITH METAL HEX TRIM	0	0
S	1DAF1X	SEAT MFG. AND SERIES, DRIVER	NATIONAL DRIVER SEAT	0	0
S	I5DA1X	SEAT PROFILE, DRIVER	STANDARD WIDTH DRIVER SEAT	0	0
S	520101	DRIVER SEAT	X1 WREN VINYL	0	0
S	3ZXG2X	DRIVER SEAT SUPPORT	DRIVER SEAT - AIR SUSPENDED	0	0
S	I7DA1X	SEAT COMFORT, DRIVER	DRIVER SEAT - ONE AIR ADJUSTABLE LUMBAR CHAMBER	0	0
S	1GAF1X	SEAT MFG. & SERIES, PASSENGER	NATIONAL PASSENGER SEAT	0	0
S	I6DA1X	SEAT PROFILE, PASSENGER	STANDARD WIDTH PASSENGER SEAT	0	0
S	521101	PASSENGER SEAT	X1 WREN VINYL	0	0
S	34XAAX	PASSENGER SEAT SUPPORT	PASSENGER SEAT - FIXED WITH INTEGRATED STORAGE	0	0
S	0HAA1X	SEAT SUPPORT, DUST COVER	SEAT BASE DUST COVER, DRIVER SIDE	0	0
S	K7AA1X	SEAT BELT SIZE	STANDARD SAFETY BELT LENGTH	0	0
S	OUXA1X	SAFETY BELT DRIVER SEAT	SEAT BELT DRIVER SEAT BLAC	0	0
S	OXXA1X	SAFETY BELT PASSENGER SEAT	SAFETY BELT PASSENGER SEAT BLAC	0	0
S	4AXB1X	CLIMATE UNIT	INTEGRAL AIR CONDITIONER WITH HEATER - MANUAL CONTROLS	0	0
S	31XK2X	FLOOR MATS	FRONT FLOOR INSERTS, RUBBER	0	0
S	4JXD1X	RADIO SHELF	NETTED OVERHEAD STORAGE (DRIVER / PASSENGER SIDES) WITH CB MOUNTING AND AUXILIARY SWITCHES	0	0
S	XRXB1X	STEERING WHEEL ADJUSTMENT	STANDARD STEERING WHEEL ADJUSTMENT	0	0

TECHNICAL SPECIFICATION *(cont.)*

VOLVO

CAB INTERIOR				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	7BAA3X	STEERING WHEEL MATERIAL	STANDARD STEERING WHEEL COVERING	0	0
S	571021	GAUGE PACKAGE	TEN GAUGE INSTRUMENT CLUSTER	0	0
S	9NDB1X	TRIP METER	TRIP METER, TWO TRIPS	0	0
S	PVXA2X	AIR RESTRICTION INDICATOR	GRADUATED ARI ON FILTER	0	0
S	N8XD1X	SPEEDOM. GRADUATION	MPH SPEEDOMETER GRADUATION	0	0

LIGHTING				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	836004	HEADLAMPS	LED HEADLAMPS WITH SIGNATURE DRL	0	0
S	LSXG1X	LOW BEAM	EQUIPPED WITH DAYTIME RUNNING LIGHTS	0	0
S	NEXH1X	TAIL LAMPS	DUAL INTEGRATED SUPER 60 LED TAIL LIGHTS, SEPARATE LED	0	0
S	NPXB1X	TURN SIGNALS	BACKUP LIGHT, ALL MTD IN TAPERED CROSSMEMBER SELF CANCELLING TURN SIGNAL SWITCH	0	0

AUDIO SYSTEM				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	590031	RADIO PACKAGE	AM / FM / MP3 / USB / BLUETOOTH RADIO	0	0
S	73AJ1X	RADIO ANTENNA	SINGLE RIGHT HAND 48 INCH MIRROR MOUNTED RADIO ANTENNA	3	0
S	LYXF1X	STEERING WHEEL SWITCHES	WITH STEERING WHEEL SWITCHES	3	0
S	N0XA1X	INTERRUPTER SWITCH, ROOFLAMPS	MARKER INTERRUPTER SWITCH	0	0
S	5CXA1X	SPEAKER LOCATION	SPEAKERS IN DASH ONLY	0	0
S	5JXB1X	COM.RADIO PREP KIT (CB)	OVERHEAD MOUNTED CB HOLD DOWN	0	0
S	5BXB5X	ANTENNA, CB RADIO	SINGLE LEFT HAND 48 INCH MIRROR MOUNTED CB ANTENNA	0	0

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

TIRES AND WHEELS FRONT				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	093879	TIRE PACKAGE FRONT	295/75R22.5G BRIDGESTONE R284 ECOPIA (12350 LBS. GAWR)	230	0
S	4WCC1X	TIRE CLASSIFICATION FRONT (CA)	LONG / REGIONAL HAUL (Total for QTY = 2)	0	0
S	084548	RIM/WHEEL PACKAGE FRONT	GHG FRONT TIRE CLASSIFICATION, LOW ROLLING RESISTANCE	0	0
S	907002	FRONT WHEEL AND TIRE QUANTITY	22.5X8.25 ALCOA ULTRA ONE CLEAN BUFF ALUMINUM 286BC HUB PILOTED (Total for QTY = 2) TWO FRONT WHEELS AND TIRES	80	0
				0	0

TECHNICAL SPECIFICATION (cont.)



TIRES AND WHEELS REAR				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	0940A1	TIRE PACKAGE REAR	295/75R22.5G BRIDGESTONE M713 ECOPIA (22700 LBS. GAWR) LONG / REGIONAL HAUL (Total for QTY = 8)	0	918
S	4XCA1X	TIRE CLASSIFICATION REAR (CA)	GHG REAR TIRE CLASSIFICATION, ADVANCED LOW ROLLING RESISTANCE	0	0
S	085548	RIM/WHEEL PACKAGE REAR	22.5X8.25 ALCOA ULTRA ONE CLEAN BUFF ALUMINUM 286BC HUB PILOTED (Total for QTY = 8)	0	318
S	908008	DRIVE WHEEL AND TIRE QUANTITY	EIGHT DRIVE WHEELS AND TIRES	0	0

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

PAINT				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	950800	CAB PAINT SCHEME	SINGLE COLOR PAINT	0	0
S	9801T4	FIRST TRUCK COLOR	GLACIER WHITE; P3029	0	0
S	MPB980	CAB COLOR	CAB SAME AS FIRST COLOR	0	0
S	MPD980	HOOD COLOR	HOOD SAME AS FIRST COLOR	0	0
S	MPE980	COWL COLOR	COWL SAME AS FIRST COLOR	0	0
S	987980	BUMPER COLOR	BUMPER SAME AS FIRST COLOR	0	0
S	992980	CHASSIS FAIRING COLOR	CHASSIS FAIRING SAME AS FIRST COLOR	0	0
S	994998	ROOF FAIRING COLOR	NO ROOF FAIRING COLOR PROVIDED	0	0
S	996980	SUN VISOR COLOR	SUN VISOR SAME AS FIRST COLOR	0	0
S	9861U1	CHASSIS COLOR	BLACK P3036	0	0
S	988401	DISC WHEEL OR RIM COLOR	STEEL DISC WHEELS - PREPAINTED WHITE, POWDER - COAT, ALUMINUM OR STYLIZED DISC - UNPAINTED	0	0

BUSINESS SERVICES				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	9LAA1X	PRE-DELIVERY INSPECTION	PRE-DELIVERY INSPECTION, BASIC	0	0

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

BASE WARRANTY AND PURCHASED COVERAGES				WEIGHT (LB)	
			DESCRIPTION	FRONT	REAR
S	899301	CHASSIS COVERAGE	NORMAL_DUTY_STANDARD_BASE_COVERAGE 12_MONTHS / 100,000_MILES	0	0
S	896900	VOLVO D11/D13 ENGINE EXTENDED COVERAGE	VOLVO D11/D13 BASE ENGINE COVERAGE - 24MTHS/250K MILES	0	0

BASE WARRANTY AND PURCHASED COVERAGES				WEIGHT (LB)	
				FRONT	REAR
S	M99998	CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS	NO CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS PROVIDED	0	0
S	875001	VEHICLE EMISSIONS COMPONENTS COVERAGE	US & CANADA VOLVO ENGINE EQUIPPED VEHICLE EMISSIONS COMPONENTS COVERAGE_60 MONTHS/100K_MILES	0	0
S	894998	CUMMINS ENGINE EXTENDED COVERAGE	NO CUMMINS ENGINE PROTECTION PLAN INCLUDED	0	0
S	878998	CUMMINS EXTENDED AFTERTREATMENT COVERAGE	NO CUMMINS AFTERTREATMENT EXTENDED COVERAGE PROVIDED	0	0
S	880105	TRANSMISSION COVERAGE	60 MO/750K MI: STANDARD I-SHIFT WARRANTY, NORMAL DUTY VEHICLE	0	0
S	685998	CLUTCH COVERAGE	NO CLUTCH COVERAGE PROVIDED	0	0
S	888900	ADDITIONAL EXTENDED CHASSIS TOWING COVERAGE	BASE CHASSIS TOWING COVERAGE, 90 DAY/5000 MILE/8050 KILOMETER	0	0
S	874900	ADDITIONAL EXTENDED ENGINE TOWING COVERAGE	BASE VOLVO ENGINE TOWING COVERAGE, 24 MO/250K MILE	0	0
S	959998	NEW PAINT DEVELOPMENT FEE	NO NEW PAINT DEVELOPMENT FEE	0	0
S	866011	REMOTE DIAGNOSTICS BUNDLE	REMOTE DIAGNOSTICS WITH REMOTE PROGRAMMING - 24 MONTHS	0	0
S	9YDA1X	REMOTE PROGRAMMING DRIVER DISPLAY ACTIVATION NOTIFICATION	REMOTE PROGRAMMING NOTIFICATION TO DRIVER, START UP SCREEN & ICON	0	0
S	867001	UPTIME CENTER BUNDLE	ASIST AND VOLVO ACTION SERVICE - 24 MONTHS	0	0
S	862010	PREPAID API	WITHOUT PREPAID API	0	0
S	914998	ADDITIONAL FORMS / DOCUMENTS	NO ADDITIONAL FORMS / DOCUMENTS PROVIDED	0	0
				FRONT / REAR AXLE WEIGHTS (LB)	8605 6460
				TOTAL WEIGHT (LB)	15065



Inputs Required	Inputs	UOM
Vehicle Type	Aero Muscle Hood - Roof Fairing (0.60)	MPH
Performance Level	>67 MPH / >108KPH	MPH
Frontal Area	110.0	FEET ²
Accessory Power Loss	11.0	HP

VEHICLE SPECIFICATION SUMMARY

Model	VNL64T300	
Gross Combination Weight	80,000 LB GROSS COMBINATION WEIGHT	
Vehicle Application	ON HIGHWAY, STARTING GRADES <16%	
Body/Trailer Type	TRACTOR / DRY VAN TRAILER OR CONTAINER	
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE	
Engine	VOLVO D13 405HP 2100RPM 1450 LBFT - EPA'21 EMISSION LEVEL	
Peak Power	HP	415.0 @ 1500 - 1700
Peak Torque	Newton Meters	2032 @ 1000
Transmission	VOLVO 12 SPEED I-SHIFT AT2612F DIRECT DRIVE	
Rear Axle	MERITOR MT-40-14X3C AMBOID 40,000 LB CAPACITY	
Rear Axle Ratio	2.47	
Rear Tire	295/75R22.5G BRIDGESTONE M713 ECOPIA (22700 LBS. GAWR) LONG / REGIONAL HAUL	
Tire Revolutions per Mile	513	
Total Reduction	2.47	

CALCULATED PERFORMANCE SUMMARY

	Speed	UOM	RPM	Desired / Recommended Value	Status
Engine RPM @ 65 MPH	65.2	MPH	1378		
Engine RPM @ Desired Cruise Speed	68.4	MPH	1443	1200 - 1500 rpm	OK
Engine RPM @ Road Speed Limit (RSL)	68.4	MPH	1443	< 2100 rpm	OK
Sweet Spot Cruise Speed Range in Top Gear	56.8 - 71.0	MPH	1200 - 1500		
Top Gear Speed Range	47.4 - 99.5	MPH	1000 - 2100	74.6 MPH	OK
Minimum Practical Speed In Reverse	1.6	MPH	600		
Maximum Practical Speed in Reverse	5.7	MPH	2100		
Minimum Practical Speed In Lowest Forward Gear	1.9	MPH	600		
Maximum Practical Speed In Lowest Forward Gear	6.7	MPH	2100		
	Concrete / Asphalt		UOM		
Wheel HP Required at (65 MPH) Cruise Speed	272.9 / 300.6		HP		
Wheel HP Required at (75 MPH) Road Speed Limit	272.9 / 300.6		HP		
Wheel HP Required at (92 MPH) Top Speed	655.2 / 703.4		HP		

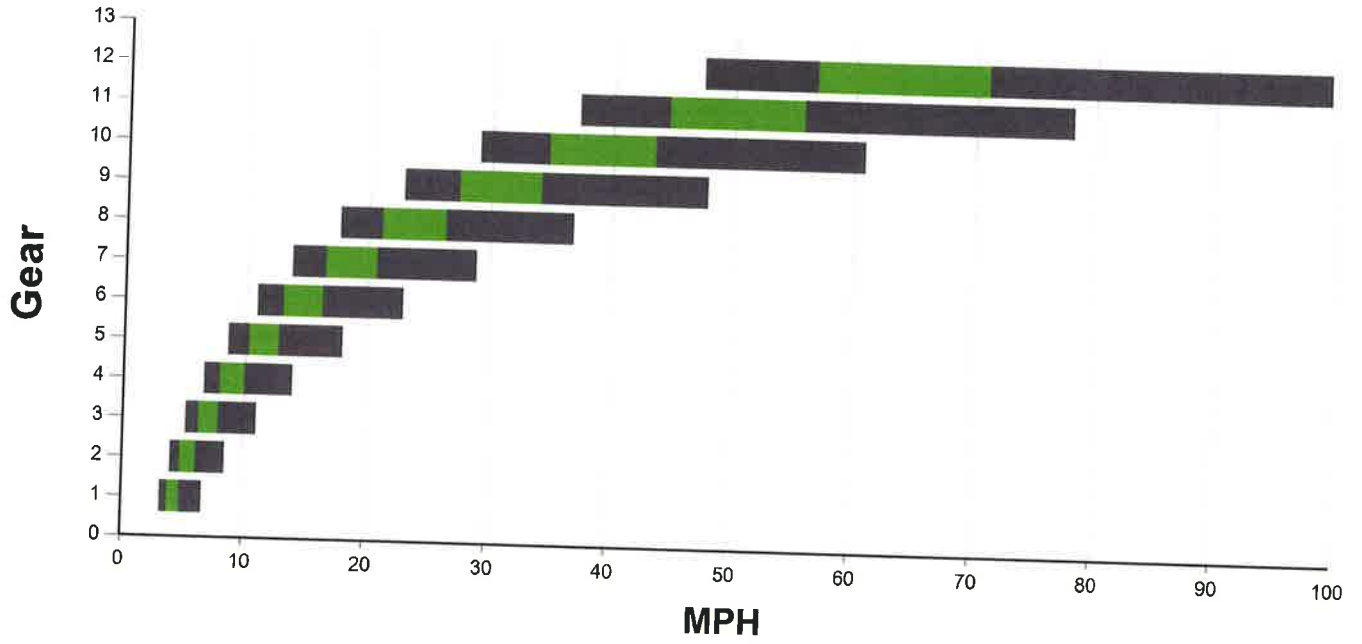
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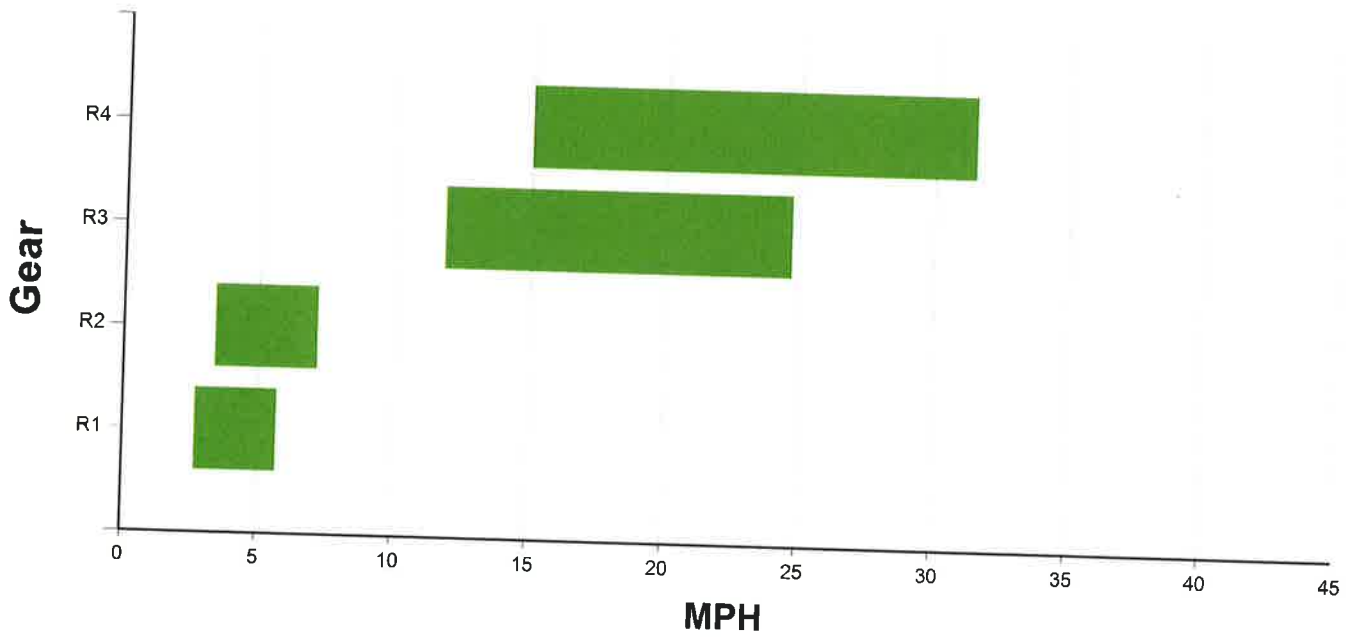
VEHICLE SPECIFICATION SUMMARY

VEHICLE SPECIFICATION SUMMARY			
Gradeability		Recommended Min. Gradeability in Top Gear	
Maximum in Top Gear (Concrete)	1.2%	0.0%	OK
Maximum in Top Gear (Asphalt)	1.1%	0.0%	OK
Startability		Recommended Min. Startability	
In Lowest Gear	24.8%	16.0%	OK
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE		
Speed on a 1.5% Grade (Concrete)	56.7 MPH	Recommended Speed on 1.5% Grade	
	@1525 rpm in 11th gear	>67 MPH	CHECK!
Suggested Value for Gear Down Vehicle Speed	RSL - 10	PL5	
Driveability Rating	Status		
100% Max Power available after shift	CAUTION!		
>95% Very Good >90% Acceptable			
Performance Level	Recommended Speed on 1.5% Grade	Min. Gradeability in Top Gear	
PL5 - High Performance	>67 MPH	1.9%	
PL4 - Performance	61 - 67 MPH	1.7%	
PL3 - Economy	54 - 60 MPH	1.5%	
PL2 - Fleet / Construction	47 - 53 MPH	1.3%	
PL1 - Heavy Haul	40 - 46 MPH	1.1%	

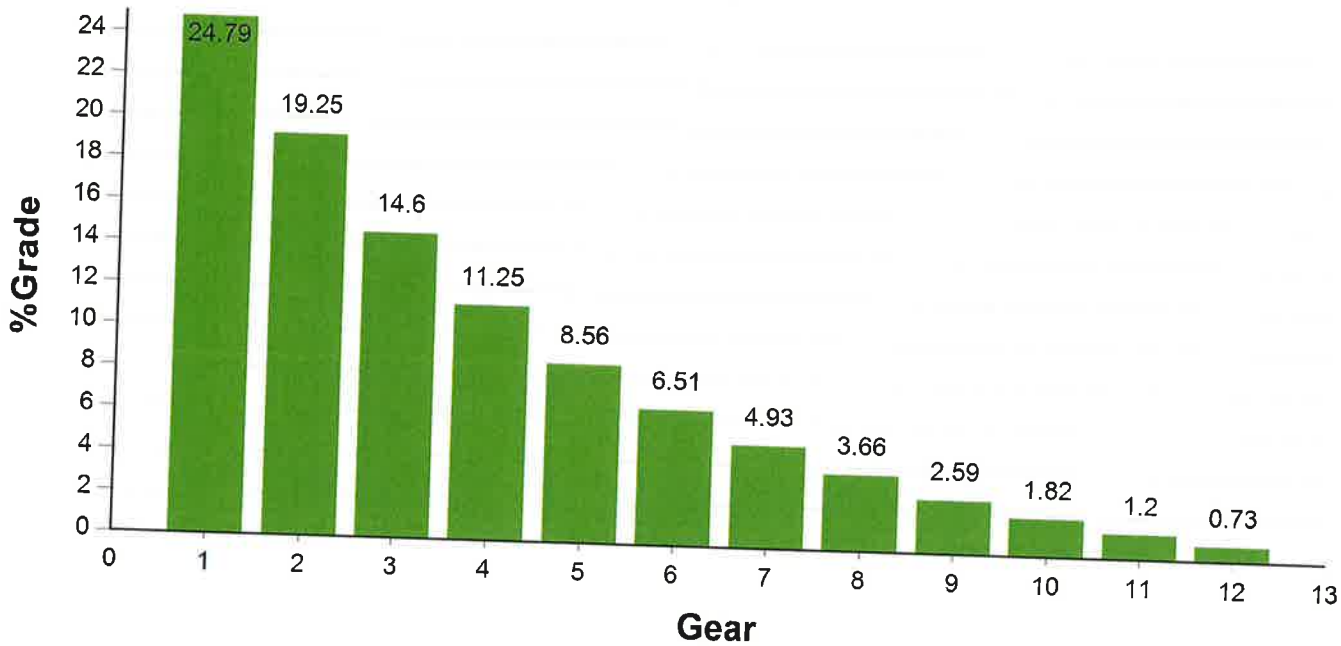
Forward Geared Speed



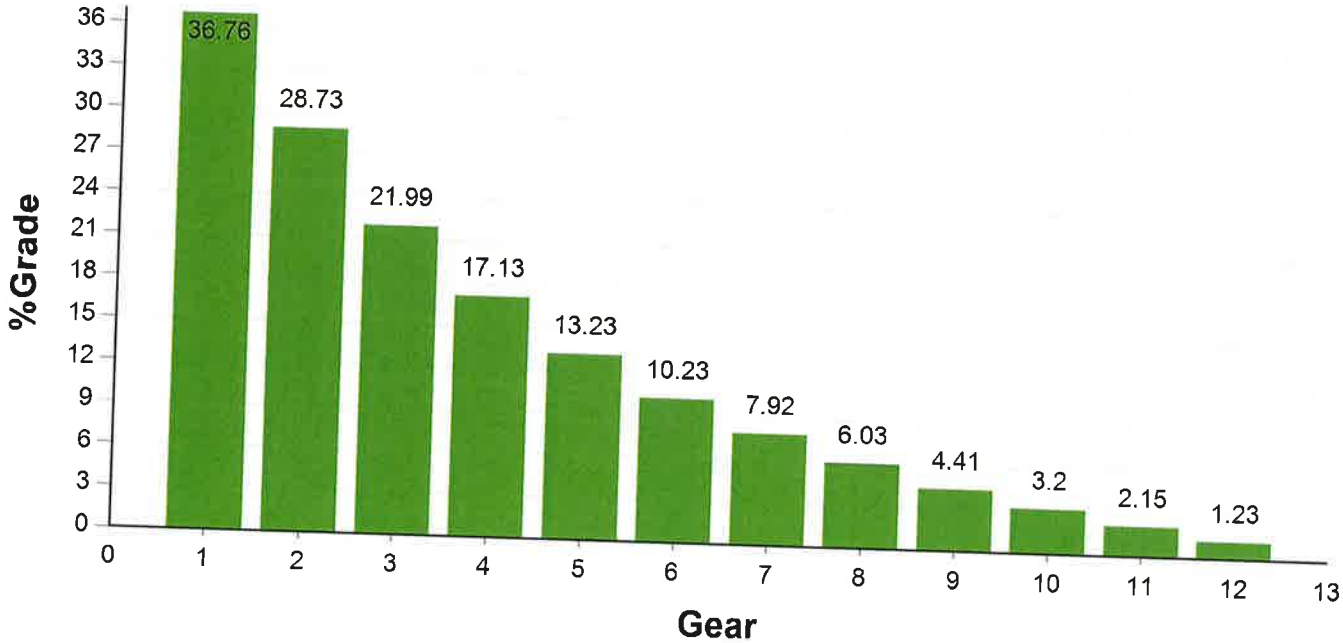
Reverse Geared Speed



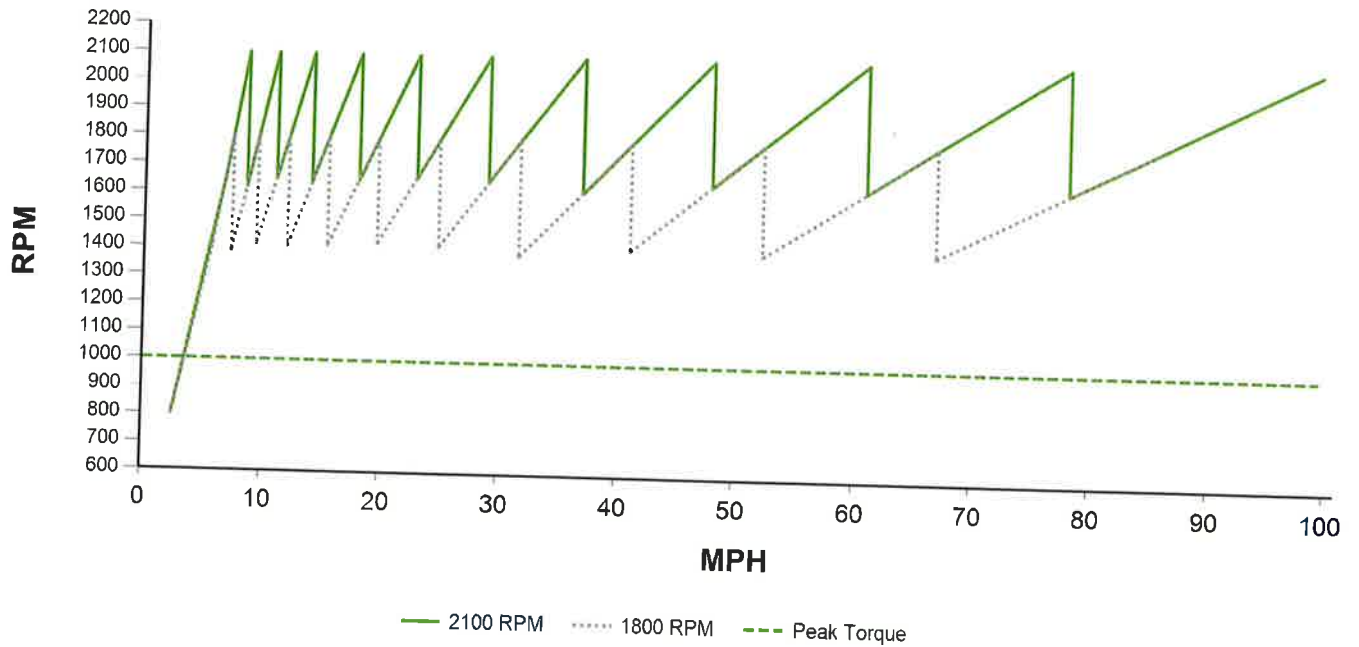
Startability



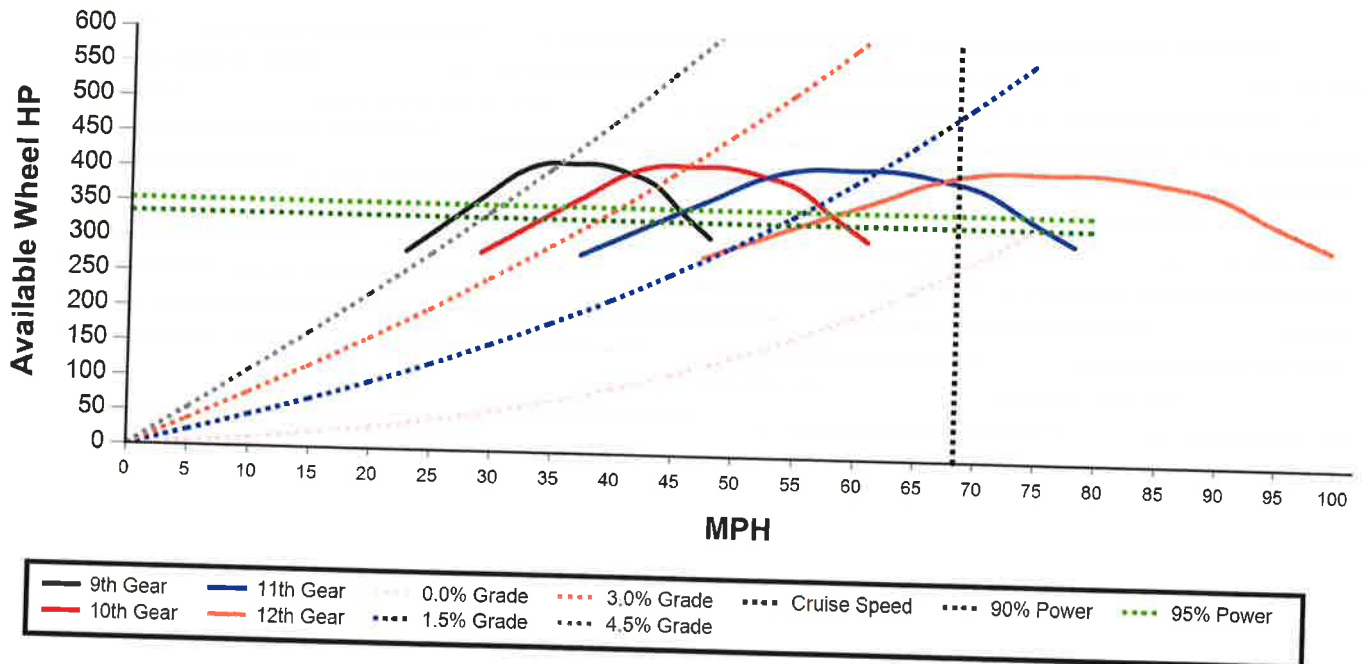
Gradeability at Max Torque



Shift Chart



Horsepower VS. Speed



RPM at 65 MPH



RPM at Cruise Speed



	MPH	RPM
Minimum of Engine Range	47.4	1000.00
Minimum of Economy Range	56.8	1200.00
Cruise Speed	68.4	1443.18
Maximum of Economy Range	71.0	1500.00
Road Speed Limit	68.4	1443.18
Maximum of Engine Range	99.5	2100.00

AERO AND FUEL ECONOMY SUMMARY

Sub-Category	Sales Code	Description	List Price	Rating
Model	004240	VNL64T300	0	
Vehicle Application	263004	TRACTOR / DRY VAN TRAILER OR CONTAINER	0	
Cab Roof Fairing	4RXZ1X	NO ROOF AERODYNAMIC DEVICE PROVIDED	0	
ROOF FAIRING AND TRAILER HEIGHT COMBINATION RATING				
Front Bumper	4DXB7X	PAINTED MOLDED AERODYNAMIC BUMPER WITH FULL AIR-FLOW DEFLECTOR	0	
Cab Side Fairing	4SXA1X	CAB SIDE FAIRINGS	0	++
Chassis Fairing	4TXA1X	PARTIAL CHASSIS FAIRING	0	
Mirror Arms Shrouds	87AZ1X	NO MIRROR ARM WIND DEFLECTOR PROVIDED	0	
Tire Package Front	4WCC1X	GHG FRONT TIRE CLASSIFICATION, LOW ROLLING RESISTANCE	0	
Tire Package Rear	4XCA1X	GHG REAR TIRE CLASSIFICATION, ADVANCED LOW ROLLING RESISTANCE	0	++
Bug Deflector/Hood Mounted	24XZ1X	NO BUG DEFLECTOR PROVIDED	0	++
Fan Clutch Package	208029	ELECTRONIC VISCOUS CSI FAN CLUTCH	0	
CAB/TRAILER GAP FROM BACK WALL OF CAB FORWARDMOST POSITION 53.3 (in)			0	
CAB/TRAILER GAP FROM BACK WALL OF CAB REAR MOST POSITION 65.3 (in)			0	
TOTAL			0	
KEY-AERO ADVANTAGE RATING				
NONE		SMALL		GOOD
				MAX
				++

Fuel Economy Facts

Good vehicle aerodynamics is ESSENTIAL to achieving excellent fuel economy! Many factors affect a truck's fuel efficiency including tire tread depth, engine rating, rear axle gearing, idle time, speed, weather conditions, driver habits and more. It is important to understand the fuel savings achieved with the addition of each aerodynamic device is not cumulative. The more aerodynamic features on the truck, the less each contributes as an individual percentage of the overall savings.

Roof Fairing and Extensions - Provide an approximate 1% to 1.5% increase in fuel economy by reducing drag between the cab and the trailer.

Roof Height and Trailer Combination Rating - This value reflects the combination of the chosen Model, available Roof Fairings, and the selected Customer Trailer. With the introduction of Greenhouse gas rules, it is important for all tractor roof heights to closely match the trailers they are pulling to ensure the best aerodynamic combinations.

Aerodynamic Bumper - Aerodynamic bumper is designed to provide optimal airflow under the vehicle. An optional extension can be added to prevent airflow from hitting obstructions under the vehicle.

Cab Side Deflectors - Cab side deflectors have a complex, flared contour, unlike the flat deflectors used by competitors. Their unique shape minimizes drag and optimizes performance, particularly in crosswind situations. The use of both roof and side extensions can contribute to a fuel economy improvement.

Partial and Full Chassis Fairings - Partial chassis fairings can improve fuel economy between 2% and 3%. Full fairings offer some additional improvement and are often specified because of their aesthetically pleasing appearance.

Mirror Arm Shrouds - The A-pillar air-flow device improves the air attachment from the windshield, around the A-pillar and to the side window. Together with the A-pillar air-flow device, the mirror arm shroud reduces soiling of the mirrors and side windows as well as improving the air flow around the mirror arms.

Trailer Gap - The length of the trailer gap plays a significant role in aerodynamic drag. For best fuel economy, always spec the shortest trailer gap possible to accommodate the specific application while still providing adequate swing clearance. **Never select a gap based on competitive specs.**

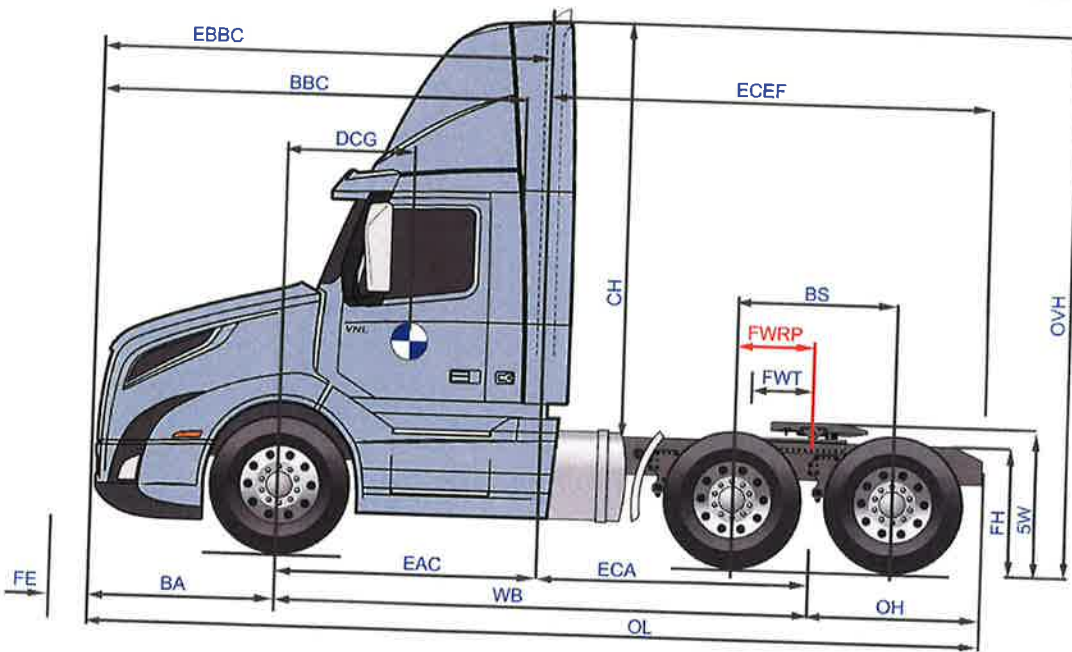
Tires - Tire brand, tread pattern and compound selection can significantly impact fuel economy. When selecting a tire, consider cost, traction; wear characteristics, load capacity as well as differences in tire rolling resistance.

Avoid Add-on Devices - Devices such as bug deflectors and other "cosmetic" features disrupt airflow across the entire truck. Bug deflectors, for example, can reduce fuel economy by as much as 2%.

Fan Drive - Under normal circumstances a cooling fan is unloaded most of the time. Since on/off type fan drives consume less power when unloaded than viscous drives, an on/off type fan drive is recommended for maximum fuel economy.

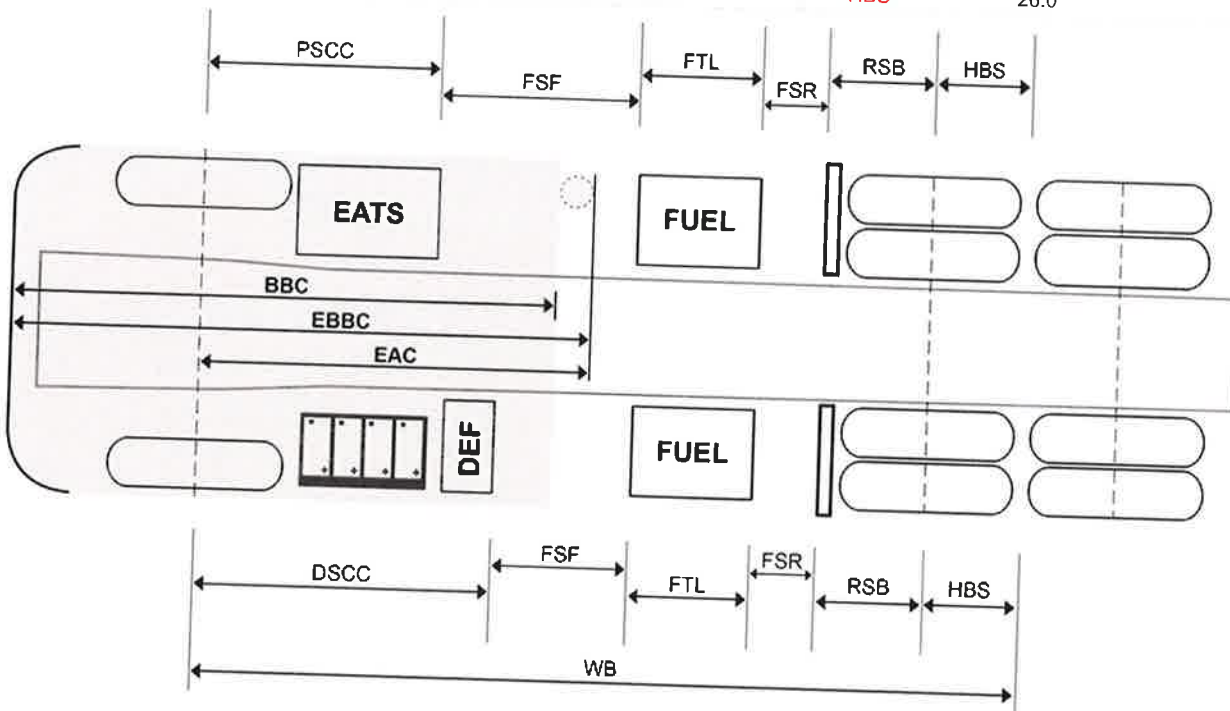
VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

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
Wheelbase	N/A	WB	171.7	INCHES
Rear Overhang	N/A	OH	54.5	INCHES
Overall Length	N/A	OL	279.9	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	101.4	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	70.3	INCHES
Unladen 5th Wheel Height	E5BASX	ECEF	155.9	INCHES
Unladen Frame Height	N/A	5W	47.5	INCHES
Cab Height	N/A	FH	39.0	INCHES
Overall Height	N/A	CH	75.0	INCHES
Driver CG	N/A	OVH	114.0	INCHES
Second Front Axle Spacing	N/A	DCG	50.0	INCHES
		SFAS	0.0	INCHES



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	171.7	171.7
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
Eff. Front Axle to Back of Cab	N/A	EAC	70.3	70.3
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
75 GALLON LEFT HAND FUEL TANK / NO RIGHT HAND DIESEL TANK PROVIDED	J8XB1X / J9XK1X	FTL	36.0	0.0
Frame Space Rear	N/A	FSR	2.8	43.0
38,000 LB VOLVO AIR SUSPENSION 52" SPACING	350410	RSB	27.5	27.5
HBS	GWXBYX	HBS	26.0	26.0

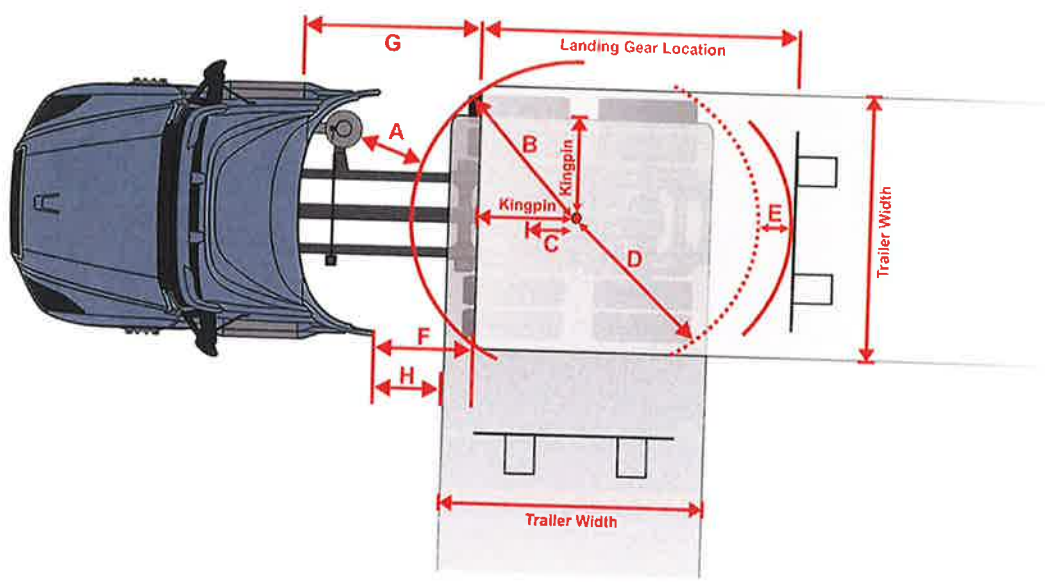


Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 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.

Inputs Required	Inputs	UOM
Trailer Width	102.0	INCHES
Corner Radius	6.0	INCHES
Landing Gear Location	120.0	INCHES
Trailer Dip Clearance	3.0	INCHES
Kingpin Location from front of Trailer	36.0	INCHES

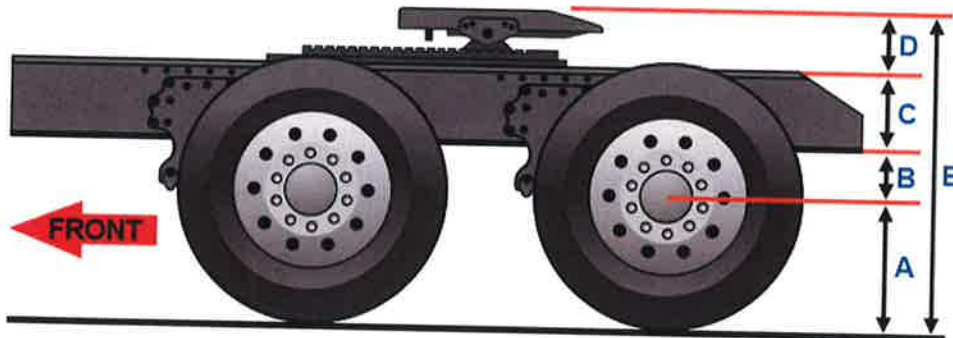
VEHICLE SPECIFICATION SUMMARY			
	Length	UOM	Sales Code
Wheelbase	171.7	INCHES	N/A
BOC Exhaust Space	0.0	INCHES	230048
Fifth Wheel Rearmost Position	0.0	INCHES	6BX5XX
Fifth Wheel Travel	12.0	INCHES	6JXA1X
Rear Overhang	54.5	INCHES	N/A

CALCULATED PERFORMANCE SUMMARY						
	Sales Code	Dwg Ref	Fifth Wheel Settings			
			Forwardmost		Rearmost	
Trailer Swing Clearance	N/A	A	26.3	INCHES	38.3	INCHES
Trailer Swing Radius	N/A	B	60.0	INCHES	60.0	INCHES
Fifth Wheel Setting	N/A	C	12.0	INCHES	0.0	INCHES
Landing Gear Radius	N/A	D	83.8	INCHES	74.7	INCHES
Landing Gear Clearance	N/A	E	0.2	INCHES	9.3	INCHES
Cab/Trailer Gap (when straight ahead) - from rear edge of cab side fairings	N/A	F	38.3	INCHES	50.3	INCHES
Cab/Trailer Gap (when straight ahead) - from back wall of cab	N/A	G	53.3	INCHES	65.3	INCHES
Cab/Trailer Gap (when turned 90 degrees) - from rear edge of cab side fairings	N/A	H	23.4	INCHES	35.4	INCHES



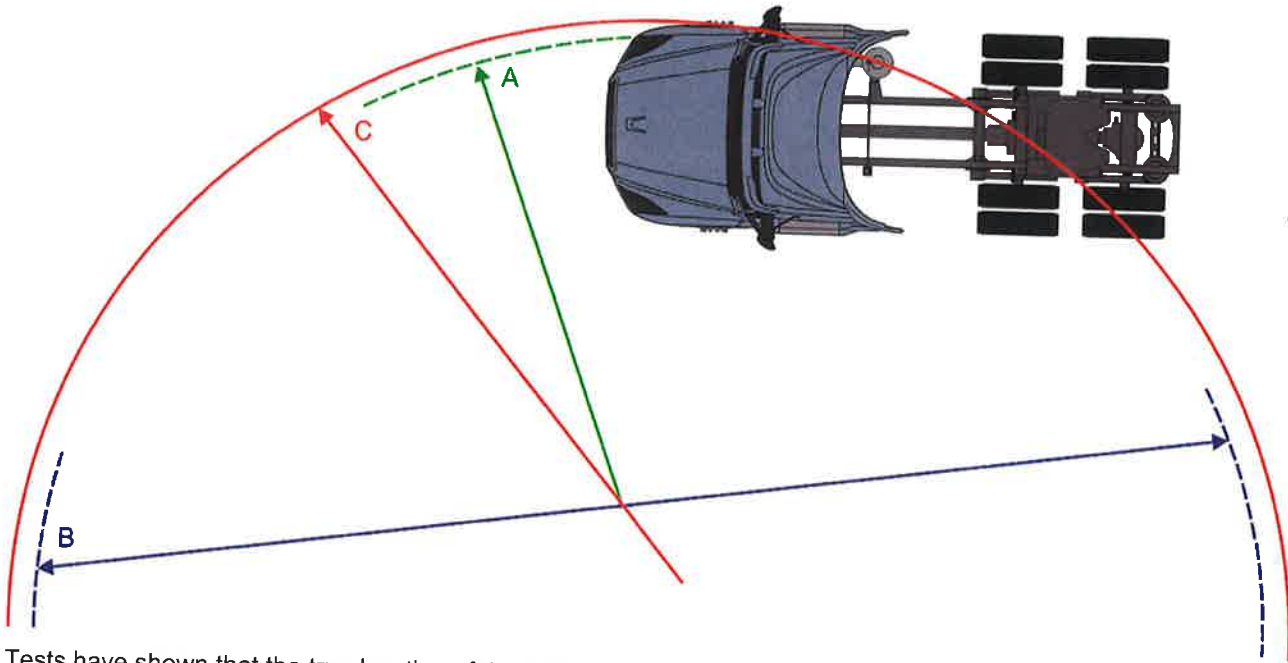
VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Rear		
			Unladen	Laden	UOM
Requested Fifth Wheel Height	E5BASX		47.5	47.5	INCHES
Tire Radius	0940A1	A	20.2	18.9	INCHES
Suspension Height	350410	B	8.3	8.0	INCHES
Frame Depth	403002	C	10.5	10.5	INCHES
Closest Available Fifth Wheel Leg Height	N/A	D	8.7	8.7	INCHES
Total Height	N/A	E	47.7	46.1	INCHES



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
SAE Turning Radius	N/A	A*	24.0	FEET
Adjusted Turning Radius	N/A	A	27.5	FEET
Curb-to-Curb Diameter	N/A	B	56.1	FEET
Wall-to-Wall Diameter	N/A	C	60.6	FEET



Tests have shown that the true location of the turning center is further to the rear than midway between drive axle sets (where applicable)

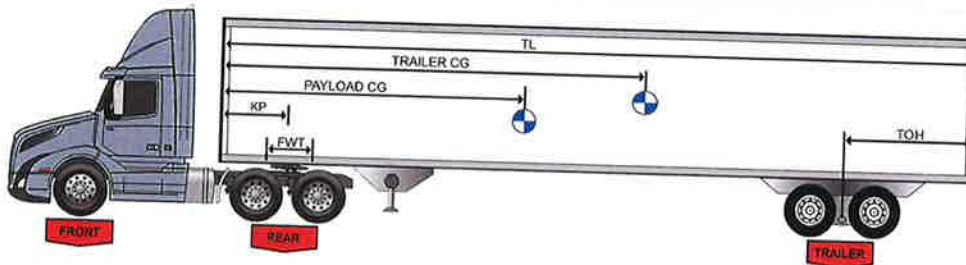
The actual location of the turning center depends on:

- Whether the drive tire equipment is single or dual.
- The overall load distribution for the vehicle (front/rear, between drive axles) in a loaded condition
- Manufacturing tolerances within the steering components

Inputs Required	Inputs	UOM
Driver Weight	201	LB
Total Trailer Length	49.2	FEET
Trailer Tare Weight	13502	LB
Trailer CG from Front of Trailer	336.0	INCHES
Fifth Wheel Setting	0.0	INCHES
Kingpin Location from front of Trailer	36.0	INCHES
Trailer Rear Overhang	86.0	INCHES
Trailer Axle(s) GAWR	34000	LB

VEHICLE SPECIFICATION SUMMARY

Description	Description	Dwg Ref	Length	UOM
Bumper to Front Axle	N/A	BA	53.7	INCHES
Wheelbase	N/A	WB	171.7	INCHES
Rear Overhang	N/A	OH	54.5	INCHES
Bumper to Back of Cab	N/A	BBC	124.0	INCHES
BOC Exhaust Space	230048	N/A	0.0	INCHES
Driver CG from Front Axle	N/A	DCG	50.0	INCHES
First Pusher Axle Spacing			0.0	INCHES



CALCULATED PERFORMANCE SUMMARY

Tare Weights	Front Axle	Rear Axle (s)	Trailer Axle(s)	Total	UOM
Chassis	8605	6460	0	15065	LB
Driver	143	59	0	201	LB
Fuel	222	291	0	513	LB
Body/Trailer	0	4858	8645	13502	LB
Total Tare	8969	11666	8645	29279	LB
Payloads					
First Body Payload	0	54590	-3868	50722	LB
Total - Lift Axles Down	8969	66256	4777	80000	LB
GAWR	12000	38000	34000	80000	LB

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Sub-Category	Sales Code	Sales Code Description	Value	UOM
Front Axle	370400	VOLVO VF12 12,000 LB FRONT SPRINGS	12500	LB
Front Suspension	370400	VOLVO VF12 12,000 LB FRONT SPRINGS	12000	LB
Front Tires	093879	295/75R22.5G BRIDGESTONE R284 ECOPIA (12350 LBS. GAWR) LONG / REGIONAL HAUL	12350	LB
Front Wheels	084548	22.5X8.25 ALCOA ULTRA ONE CLEAN BUFF ALUMINUM 286BC HUB PILOTED	14800	LB
		Front GAWR	12000	LB
Rear Axle	330688	MERITOR MT-40-14X3C AMBOID 40,000 LB CAPACITY	40000	LB
Rear Suspension	350410	38,000 LB VOLVO AIR SUSPENSION 52" SPACING	38000	LB
Rear Tires	0940A1	295/75R22.5G BRIDGESTONE M713 ECOPIA (22700 LBS. GAWR) LONG / REGIONAL HAUL	45400	LB
Rear Wheels	085548	22.5X8.25 ALCOA ULTRA ONE CLEAN BUFF ALUMINUM 286BC HUB PILOTED	59200	LB
		Rear GAWR	38000	LB
		Tractor GVWR	50000	LB
		Gross Combination Weight Rating	80000	LB
		Tax Value GVWR (USA FET Only)	50000	LB



Volvo Trucks. Driving Progress

