

V O L V O

# CUSTOMER PROPOSAL



**HEALY TRUCK CENTER**  
"Quality Without Compromise"

# TECHNICAL SPECIFICATION

## VHD64B300 Daycab - 113.6" BBC

| MODEL PACKAGE |        |                        | DESCRIPTION                           |
|---------------|--------|------------------------|---------------------------------------|
| S             | 012155 | MARKETING MODEL        | VHD64B300                             |
| S             | 99X76X | MANUFACTURING LOCATION | VOLVO TRUCKS - ASSEMBLED IN THE USA   |
| S             | DDX15X | CHASSIS TYPE           | TRUCK                                 |
| S             | CDX23X | MODEL SERIES           | VHD / VAH MODELS - 113.6" BBC         |
|               | MBT09T | VEHICLE CERTIFICATION  | EPA (ONLY) FOR VOLVO 11L / 13L DIESEL |

| VEHICLE ADAPTATION |        |                                 | DESCRIPTION  |
|--------------------|--------|---------------------------------|--|
| S                  | 114010 | MARKET ADAPTATION               | USA / USA TERRITORY MARKET ADAPTATION  |
| S                  | 36XF1X | LANGUAGE ON DECALS              | ENGLISH/SPANISH LANGUAGE ON DECALS   |
| S                  | 38XCNX | OPERATOR'S MANUAL LANGUAGE      | ENGLISH  |
| S                  | 125001 | AREA/DOMICILE (EXHAUST)         | 49 STATE + CANADA / NON CALIFORNIA   |
| S                  | 263206 | VEHICLE APPLICATION             | TRUCK / ASPHALT OR DUMP BODY   |
| S                  | 898003 | VEHICLE WARRANTY QUALIFICATION  | STANDARD HEAVY DUTY WARRANTY QUALIFIED   |
| S                  | 259003 | VEHICLE VOCATION                | CONSTRUCTION SERVICE   |
| S                  | 260006 | OPERATING CONDITIONS            | ON HIGHWAY, STARTING GRADES <16%   |
| S                  | QCXA1X | TOPOGRAPHY                      | MOSTLY FLAT, MOST GRADES <3% (EX. OHIO)  |
| S                  | E1BD1X | AMBIENT TEMPERATURE UPPER LIMIT | SUMMER AMBIENT TEMPERATURES DO NOT REGULARLY EXCEED 104 DEGREE F (40 DEGREE C) |
| S                  | 264001 | LOADING SURFACE FACTOR          | CONCRETE LOADING AND / OR UNLOADING SURFACE                                    |
| S                  | DHX20X | OPERATING CLASS                 | OPERATING CLASS TWO (ON/OFF HIGHWAY)   |
|                    | 938001 | CUSTOMER FLEET SIZE             | DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND      |

| PASSIVE AND ACTIVE SAFETY |        |                            | DESCRIPTION  |
|---------------------------|--------|----------------------------|--|
|                           | 2CXD1X | CAB TYPE                   | 300 - DAY CAB  |
| S                         | 43X40X | AUXILIARY DOWN VIEW MIRROR | DOWN VIEW MIRROR OVER PASSENGER DOOR                           |
| S                         | 3MBA1X | PARK BRAKE ALARM           | PARK BRAKE ALARM, SOUNDS IF BRAKE OFF AND DRIVER'S DOOR OPENED |

| ENGINE |        |                | DESCRIPTION   |
|--------|--------|----------------|---|
| S      | 1018P0 | ENGINE PACKAGE | VOLVO D11 325HP 2100RPM 1250 LBFT - EPA'21 EMISSION LEVEL |

| ENGINE EQUIPMENT |        |                           | DESCRIPTION   |
|------------------|--------|---------------------------|---|
| S                | KWXA1X | AIR CLEANER               | SINGLE STAGE AIR CLEANER  |
| S                | JWXD1X | AIR INTAKE                | HOOD MOUNTED AIR INTAKE   |
| S                | H9XM1X | RADIATOR                  | 930 SQ IN, 2 ROW CORE RADIATOR  |
| S                | 209012 | RADIATOR COOLANT          | EXTENDED LIFE ETHYLENE GLYCOL ANTI-FREEZE (RED), -34 F (-37 C)                                  |
| S                | 208029 | FAN CLUTCH PACKAGE        | ELECTRONIC VISCOUS CSI FAN CLUTCH   |
| S                | NCXA5X | STARTER MOTOR             | DELCO REMY 12V 39MTHD STARTER   |
| S                | PJXMNX | ALTERNATOR                | 160 AMP DELCO REMY 28SI ALTERNATOR (12V)  |
| S                | 810113 | BATTERY PACKAGE           | 3 VOLVO 760 CCA MAINTENANCE FREE 12V BATTERIES, 2280 CCA  |
| S                | L4X16X | BATTERY BOX MOUNTING      | BATTERY BOX, LEFT HAND SIDE, BEHIND FRONT FENDER  |
| S                | NQXB1X | BATTERY BOX CONFIGURATION | BATTERY BOX - 3 CAPACITY  |
| S                | L5XA1X | BATTERY BOX COVER         | BASIC BATTERY BOX COVER   |
| S                | 428001 | DIESEL EXHAUST FLUID TANK | 18.5 GALLON LEFT HAND 26", FRAME MOUNTED (FILLED WITH 10 GALLONS OF DEF, WEIGHING 91 LBS)       |
|                  | 230046 | EXHAUST SYSTEM            | INTEGRATED DPF AND SCR MOUNTED RIGHT HAND SIDE UNDER CAB WITH SINGLE VERTICAL STACK BACK OF CAB |

# TECHNICAL SPECIFICATION *(cont.)*

| ENGINE EQUIPMENT |        |                              | DESCRIPTION   |
|------------------|--------|------------------------------|---|
|                  | 232079 | EXHAUST OUTLET PACKAGE       | 12' 6" ALUMINIZED STAINLESS STEEL SINGLE STACK              |
|                  | K0XC1X | EXHAUST FEATURES             | STRAIGHT END EXHAUST STACK                                  |
| <b>S</b>         | KNXC1X | EXHAUST SHIELD               | ALUMINUM EXHAUST SHIELD                                     |
| <b>S</b>         | JVXH1X | PRIMARY FUEL FILTER          | VOLVO DUAL ENGINE MOUNTED FUEL FILTERS WITH WATER SEPARATOR |
| <b>S</b>         | MBXA1X | PRIMARY FUEL FILTER LOCATION | STANDARD FUEL FILTER LOCATION                               |
| <b>S</b>         | J7XBDX | AUX. FUEL SYSTEM EQUIPMENT   | RETURN FUEL RECIRCULATION VALVE                             |
| <b>S</b>         | VWXCAX | COMPRESSOR                   | WABCO 31.8 CFM COMPRESSOR                                   |
| <b>S</b>         | J2EAAX | ENGINE BRAKE ACTIVATION      | ENGINE BRAKE ACTIVATION, BASIC                              |
| <b>S</b>         | QHXC1X | ENGINE OIL PAN               | STAMPED STEEL OIL PAN (STANDARD OIL CHANGE INTERVALS)       |

| TRANSMISSION |        |                                  | DESCRIPTION  |
|--------------|--------|----------------------------------|--|
|              | 270743 | TRANSMISSION PACKAGE             | EATON 13 SPEED FULLER RTLO-16913A  |
|              | RVXA1X | GEAR SHIFT CONTROL               | FIXED GEAR SHIFT LEVER   |
| <b>S</b>     | 4LDA1X | TRANSMISSION OUTPUT TORQUE       | STANDARD OUTPUT TORQUE   |
| <b>S</b>     | 779998 | ALLISON INPUT AND OUTPUT PACKAGE | NO ALLISON INPUT AND OUTPUT PACKAGE  |
| <b>S</b>     | 778998 | FUEL SENSE PACKAGE               | NO FUEL SENSE PACKAGE  |
|              | T2XC3X | TRANSMISSION COOLER              | WATER TO OIL TRANS COOLER IN RADIATOR  |
| <b>S</b>     | 195213 | DRIVELINE - MAIN                 | DANA/SPICER SPL250 LITE (PROPS-L)  |
| <b>S</b>     | 204201 | DRIVELINE - INTERAXLE            | DANA-SPICER SPL170XL EXTENDED LUBE SERIES  |
|              | 250090 | CLUTCH                           | EATON 15.5" 2 PLATE CERAMETALLIC ADVANTAGE SELF-ADJUST 9-SPRING, 4 PAD - 1650 LB-FT CAPACITY |
|              | RBXA1X | CLUTCH FEATURES                  | LUBE LINE BETWEEN RELEASE BEARING AND BELL HOUSING   |

| PROGRAMMABLE FEATURES |        |   | DESCRIPTION   |
|-----------------------|--------|---|---|
|                       | 9KAA1X | IDLE EMISSION CERTIFICATION             | IDLE EMISSION CERTIFICATION, BASIC                              |
| <b>S</b>              | A3AAAX | ENGINE IDLE AUTOMATIC SHUTDOWN (AL)     | ENGINE IDLE SHUTDOWN, ENABLE                                    |
| <b>S</b>              | E0XFLX | ENGINE IDLE SHUTDOWN TIME (AM)          | IDLE SHUTDOWN TIME 5 MINUTES                                    |
| <b>S</b>              | K7XA1X | ENGINE IDLE CONTROL (CMQ)               | BASIC ENGINE IDLE CONTROL                                       |
| <b>S</b>              | D3AAEX | AMBIENT TEMP MAX THRESHOLD (CMO)        | MAXIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 80 DEG F (27 DEG C)  |
| <b>S</b>              | D2AACX | AMBIENT TEMP MIN THRESHOLD (CMN)        | MINIMUM AMBIENT AIR TEMPERATURE OVER-RIDE, 45 DEG F (7 DEG C)   |
| <b>S</b>              | JDXD1X | CRUISE CONTROL (AG)                     | WITH ECO CRUISE CONTROL   |
| <b>S</b>              | JFXLRX | CRUISE CONTROL, MAXIMUM SPEED (AI)      | MAXIMUM CRUISE, 68 MPH (110 KM/H)                               |
| <b>S</b>              | Y3CC5X | PEDAL ROAD SPEED LIMIT SETTING (P1I16)  | PEDAL ROAD SPEED LIMIT, 65 MPH (105 KM/H)                       |
| <b>S</b>              | JCXF1X | ROAD SPEED LIMIT SETTING (P1AOC)        | ROAD SPEED LIMIT, 68 MPH (110 KM/H)                             |
| <b>S</b>              | U4AA1X | GEAR DOWN VEHICLE SPEED LIMITER (P1AL0) | GEAR DOWN VEHICLE SPEED LIMITER ENABLED                         |
| <b>S</b>              | U5AL1X | GEAR DOWN VEHICLE SPEED LIMIT (P1AOD)   | GEAR DOWN VEHICLE SPEED, 63 MPH (101 KM/H)                      |
| <b>S</b>              | E3AAEX | CRUISE CONTROL MIN SPEED (BK)           | MIN CRUISE, 30 MPH (48 KM/H)                                    |
| <b>S</b>              | E5AAEX | ENG BRAKE ENGAGE IN CRUISE (AF)         | ENGAGE ENGINE BRAKE 5 MPH (8.0 KM/H) ABOVE SET CRUISE SPEED     |
| <b>S</b>              | X2BA1X | ROAD SPEED LIMIT CONTROL TYPE (P1I01)   | WITH ECO RSL CONTROL  |
| <b>S</b>              | 0NAA1X | OPTIMIZED FUEL ECON INDICATOR (P1LXM)   | OPTIMIZED FUEL ECONOMY INDICATOR, SWEET SPOT                    |
| <b>S</b>              | X1BA1X | ENGINE LOAD IN PTO (CMM)                | 30% MINIMUM ENGINE LOAD LIMIT IN PTO BEFORE ALLOW IDLE SHUTDOWN |
| <b>S</b>              | W5BE1X | MAXIMUM ENGINE SPEED AT 0 MPH (P1ANA)   | 1400 MAXIMUM ENGINE RPM AT 0 MPH                                |

# TECHNICAL SPECIFICATION *(cont.)*

| PROGRAMMABLE FEATURES |        |                                      | DESCRIPTION                    |
|-----------------------|--------|--------------------------------------|--------------------------------|
| <b>S</b>              | X4BA1X | COOLANT WARM HOLD TEMP (KBS)         | COOLANT WARM HOLD TEMP ENABLED |
| <b>S</b>              | R4BA1X | PRE-TRIP DIAGNOSTIC INSPECTION (JZU) | PRE-TRIP ASSISTANT             |
| <b>S</b>              | K5XA2X | ENGINE PROTECTION SYSTEM (P1FQT)     | ENGINE PROTECTION (SHUTDOWN)   |
| <b>S</b>              | EXXGSX | PTO MAXIMUM ENGINE SET SPEED (AND)   | PTO ENGINE MAXIMUM 700 RPM     |
| <b>S</b>              | EYXGSX | PTO RESUME ENGINE SET SPEED (ANE)    | PTO ENGINE RESUME 700 RPM      |

| FRONT AXLE |        |                              | DESCRIPTION  |
|------------|--------|------------------------------|--|
| <b>S</b>   | 370403 | FRONT AXLE PACKAGE           | VOLVO VF14 14,600 LB FRONT SPRINGS                                   |
| <b>S</b>   | 70BB1X | BRAKE REGULATION             | BRAKE REGULATION, STOPPING DISTANCE 310 FT (94M)                     |
| <b>S</b>   | 782014 | FRONT BRAKE PACKAGE          | FRONT BRAKE BENDIX SPICER, NEXT GENERATION HEAVY DUTY, STANDARD LUBE |
| <b>S</b>   | U5XA1X | FRONT BRAKE DIMENSION        | 16.5X5 FRONT BRAKE SIZE  |
| <b>S</b>   | U3XA1X | BRAKE TYPE, FRONT AXLE       | CAST IRON FRONT BRAKE DRUM OUTBOARD MOUNTED                          |
| <b>S</b>   | LQXAQX | FRONT BRAKE LINING MATERIAL  | BRAKE LINING MATERIAL FRONT, BENDIX SPICER ES420                     |
| <b>S</b>   | K2EA1X | BRAKE SHOE COATING FRONT     | BRAKE SHOE COATING FRONT, BASIC                                      |
| <b>S</b>   | UDXA1X | FRONT AXLE BRAKE DUST SHIELD | FRONT BRAKE DUST SHIELDS   |
| <b>S</b>   | 0KXI5X | HUBS, FRONT AXLE             | IRON PRESET PLUS FRONT AXLE HUBS WITH SKF HUBCAPS                    |
| <b>S</b>   | 7VXB1X | FRONT AXLE LUBRICANT         | SYNTHETIC FRONT AXLE LUBRICANT                                       |
| <b>S</b>   | XAXBFX | POWER STEERING GEAR          | TRW THP60 INTEGRAL POWER STEERING GEAR                               |
| <b>S</b>   | M0XA1X | STEERING SHAFT TYPE          | BASIC STEERING SHAFT   |
| <b>S</b>   | 371071 | FRONT SUSPENSION PACKAGE     | PARABOLIC LEAF FRONT SUSPENSION                                      |
| <b>S</b>   | IRXA1X | FRONT SUSP MAINTENANCE       | LUBRICATED SPRING PINS AND BUSHINGS                                  |

| REAR AXLE |        |                                   | DESCRIPTION   |
|-----------|--------|-----------------------------------|---|
| <b>S</b>  | 330684 | REAR AXLE PACKAGE                 | MERITOR MT-40-14X4D HYPOID (HEAVY DUTY HOUSING) 40,000 LB CAPACITY                            |
|           | TAXDPX | REAR AXLE RATIO                   | 3.08 REAR AXLE RATIO  |
| <b>S</b>  | TUXB1X | DIFFERENTIAL LOCK                 | INTERAXLE DIFFERENTIAL LOCK   |
| <b>S</b>  | 350377 | REAR SUSPENSION PACKAGE           | 40,000 LB VOLVO T-RIDE (2-LEAF FIRM RIDE) 54" SPACING   |
| <b>S</b>  | YVXA1X | REAR SHOCK ABSORBER               | SHOCK ABSORBERS, DRIVE AXLES  |
| <b>S</b>  | 783022 | REAR BRAKE PACKAGE                | REAR BRAKE BENDIX SPICER, NEXT GENERATION HEAVY DUTY, STANDARD LUBE                           |
| <b>S</b>  | U8XA1X | DRIVE AXLE BRAKE DIMENSION        | 16.5X7 REAR BRAKE SIZE  |
| <b>S</b>  | U4XA1X | BRAKE TYPE, DRIVE AXLE            | CAST IRON DRIVE AXLE BRAKE DRUM OUTBOARD MOUNTED  |
| <b>S</b>  | UEXA1X | DRIVE AXLE BRAKE DUST SHIELD      | REAR BRAKE DUST SHIELDS   |
| <b>S</b>  | MAXF1X | DRIVE AXLE BRAKE LINING MATERIAL  | BRAKE LINING MATERIAL DRIVE, BENDIX SPICER ES-600   |
| <b>S</b>  | J8EA1X | BRAKE SHOE COATING DRIVE          | BRAKE SHOE COATING DRIVE, BASIC   |
| <b>S</b>  | 0LXI5X | HUBS, DRIVE AXLE                  | IRON PRESET PLUS DRIVE AXLE HUB WITH INTEGRATED SPINDLE NUT                                   |
| <b>S</b>  | 7WXADX | REAR AXLE LUBRICANT               | CHEVRON DELO GEAR LUBRICANT ESI SAE 80W-90 (APPROVED FOR MERITOR EXTENDED COMPONENT WARRANTY) |
| <b>S</b>  | 781116 | PARKING BRAKE CHAMBER PACKAGE     | FOUR CAM TYPE HALDEX GOLD SEAL PLUS   |
| <b>S</b>  | V1AB1X | REAR BRAKE CHAMBER SIZE           | REAR BRAKE CHAMBER 30 / 30 SQ INCHES (SERVICE / EMERGENCY)                                    |
| <b>S</b>  | UKXA1X | CHAMBER STROKE LENGTH, DRIVE AXLE | BASIC LENGTH BRAKE CHAMBER STROKE   |
| <b>S</b>  | 784009 | DRUM BRAKE SLACK ADJUSTERS        | HALDEX BRAKE ADJUSTER FRONT AND REAR  |
| <b>S</b>  | O5BD1X | FRONT BRAKE CHAMBER SIZE          | FRONT BRAKE CHAMBER 24 SQUARE INCHES (SERVICE)  |

# TECHNICAL SPECIFICATION *(cont.)*

| CHASSIS  |        |  | DESCRIPTION  |
|----------|--------|--|--|
| <b>S</b> | 3XBDAX | DRIVER SIDE FRONT CHASSIS CONFIGURATION    | LEFT HAND BATTERY BOX - 3 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VHDB) |
|          | 3YBAFX | PASSENGER SIDE FRONT CHASSIS CONFIGURATION | INTEGRATED DPF & SCR (VNR / VNL / VHDB)  |
|          | 400208 | WHEELBASE                                  | 208" WHEELBASE   |
| <b>S</b> | 402055 | OVERHANG                                   | 55" OVERHANG   |
| <b>S</b> | KBXB1X | FUEL TANK SHAPE, LIQUID                    | 26" DIA CYLINDRICAL FUEL TANK  |
| <b>S</b> | J8XB1X | LIQUID FUEL TANK, LEFTHAND SIDE            | 75 GALLON LEFT HAND FUEL TANK  |
| <b>S</b> | KEXA1X | FUEL TANK MATERIAL, LIQUID                 | ALUMINUM FUEL TANK MATERIAL  |
| <b>S</b> | HBXB1X | FUEL TANK POSITION - DIESEL                | FUEL TANK POSITION 1   |
| <b>S</b> | 427998 | HYDRAULIC OIL TANK PACKAGE                 | NO HYDRAULIC OIL TANK PROVIDED   |
| <b>S</b> | 8NAA1X | DPF COVER                                  | DPF COVER, PAINTED STEEL   |
| <b>S</b> | U6BA1X | DEF TANK COVER                             | PAINTED DIESEL EXHAUST FLUID TANK COVER  |
| <b>S</b> | JHXA1X | FUEL LINES                                 | NYLON FUEL LINES   |
| <b>S</b> | KHXA1X | FUEL TANK STRAPS                           | PAINTED STEEL FUEL TANK STRAPS   |
| <b>S</b> | KFXA1X | FUEL TANK CAP                              | NON-LOCKING FUEL TANK CAP  |
| <b>S</b> | 8HAA1X | AIR TANK ARRANGEMENT                       | AIR TANK ARRANGEMENT, BASIC  |
| <b>S</b> | U2XB1X | AIR TANKS                                  | STEEL AIR TANKS  |
| <b>S</b> | VHXE5X | AIR DRYER                                  | WABCO AIR DRYER SS - HP WITHOUT TURBO CUT OFF VALVE WITH COALESCING FILTER     |
| <b>S</b> | UWXB1X | AIR TANK DRAIN VALVE                       | MANUAL PULL CORD ON BRAKE SYSTEM TANKS   |
| <b>S</b> | 403005 | FRAME RAIL PACKAGE                         | 11.81"X3.54"X.31" STRAIGHT STEEL RAILS   |
| <b>S</b> | 8EXB1X | INTERMEDIATE CROSSMEMBER MATERIAL          | STEEL CROSSMEMBER MATERIAL   |
| <b>S</b> | OAXA1X | INTERMEDIATE CROSSMEMBER CONFIGURATION     | BASIC INTERMEDIATE CROSSMEMBER   |
| <b>S</b> | X6XA1X | REAR FRAME TREATMENT                       | STRAIGHT CUT-OFF REAR CROSSMEMBER  |
| <b>S</b> | 4DXE3X | FRONT BUMPER                               | STEEL CONSTRUCTION BUMPER-THREE PIECE  |
| <b>S</b> | FRXA1X | BUMPER POSITION                            | BUMPER MOUNTED STANDARD POSITION   |
| <b>S</b> | 65XB1X | FRONT FENDER EXTENSION                     | NO FRONT FENDER EXTENSION PROVIDED   |
| <b>S</b> | 4EXB1X | FRONT TOWING DEVICE                        | TWO FRONT TOWING DEVICES   |
| <b>S</b> | Q8CH1X | CHASSIS WIRING HARNESS CASING              | HEAVY DUTY MAIN CHASSIS WIRING HARNESS COVERING                                |
| <b>S</b> | U7CFFX | LH FUEL TANK FACE LOCATION                 | LH FUEL TANK FRONT FACE @ XM=4525  |

| TRANSPORT ADAPTATION |        |                                    | DESCRIPTION   |
|----------------------|--------|------------------------------------|---|
| <b>S</b>             | L0XB1X | ELECTRICAL CONNECTIONS BACK OF CAB | BODY BUILDER CONNECTIONS BACK OF CAB                          |
| <b>S</b>             | WLXC1X | TRAILER BRAKE HAND CONTROL         | DELETE TRAILER BRAKE HAND CONTROL                             |
| <b>S</b>             | 6WXA1X | CENTER CONSOLE FOR BODY CONTROLS   | MOUNTING PLATE ONLY FOR BODY CONTROLS                         |
| <b>S</b>             | L3XC1X | BODY BUILDER ELECTRICAL PREP       | ELECTRICAL COMPLETE KIT FOR BODY BUILDER AND/OR I-SHIFT PTO'S |

| CALCULATED CODES - KAX |        |                    | DESCRIPTION                       |
|------------------------|--------|--------------------|-----------------------------------|
| <b>S</b>               | 9JXA1X | PROPCALC SELECTION | YES, THE ORDER MUST BE CALCULATED |

| CAB EXTERIOR |        |                       | DESCRIPTION                                    |
|--------------|--------|-----------------------|--|
| <b>S</b>     | 2DX30X | CAB SUSPENSION        | AIR RIDE CAB SUSPENSION WITH LATERAL DAMPENERS |
| <b>S</b>     | 21XA1X | AUXILIARY REAR WINDOW | STANDARD REAR WINDOW                           |
| <b>S</b>     | D2XA1X | WIPER BLADES          | WIPER BLADES                                   |
| <b>S</b>     | 28XC3X | FRONT GRILLE          | BLACK STATIONARY FRONT GRILLE                  |

# TECHNICAL SPECIFICATION *(cont.)*

| CAB EXTERIOR |        |                            | DESCRIPTION                           |
|--------------|--------|----------------------------|---------------------------------------|
| <b>S</b>     | 0EAC1X | AIR INTAKE GRILLE, FINISH  | AIR INTAKE GRILLE, BLACK              |
| <b>S</b>     | 3FX49X | EXTERIOR SIDE VIEW MIRRORS | BLACK AERODYNAMIC MIRRORS             |
| <b>S</b>     | 3GXC1X | EXTERIOR MIRROR FEATURES   | HEATED, POWER AXIS MIRROR, BOTH SIDES |
| <b>S</b>     | LZXD1X | AIR HORN                   | DUAL TRUMPET MOUNTED UNDER CAB        |

| CAB INTERIOR |        |                               | DESCRIPTION  |
|--------------|--------|-------------------------------|--|
| <b>S</b>     | 540088 | INTERIOR TRIM PACKAGE         | FLEET - VINYL PANELS WITH METAL HEX TRIM               |
| <b>S</b>     | 1DAF1X | SEAT MFG. AND SERIES, DRIVER  | NATIONAL DRIVER SEAT                                   |
| <b>S</b>     | I5DA1X | SEAT PROFILE, DRIVER          | STANDARD WIDTH DRIVER SEAT                             |
| <b>S</b>     | 520101 | DRIVER SEAT                   | X1 WREN VINYL  |
| <b>S</b>     | 3ZXG2X | DRIVER SEAT SUPPORT           | DRIVER SEAT - AIR SUSPENDED                            |
| <b>S</b>     | I7DA1X | SEAT COMFORT, DRIVER          | DRIVER SEAT - ONE AIR ADJUSTABLE LUMBAR CHAMBER        |
| <b>S</b>     | 1GAF1X | SEAT MFG. & SERIES, PASSENGER | NATIONAL PASSENGER SEAT                                |
| <b>S</b>     | I6DA1X | SEAT PROFILE, PASSENGER       | STANDARD WIDTH PASSENGER SEAT                          |
| <b>S</b>     | 521101 | PASSENGER SEAT                | X1 WREN VINYL  |
| <b>S</b>     | 34XAAX | PASSENGER SEAT SUPPORT        | PASSENGER SEAT - FIXED WITH INTEGRATED STORAGE         |
| <b>S</b>     | 0HAA1X | SEAT SUPPORT, DUST COVER      | SEAT BASE DUST COVER, DRIVER SIDE                      |
| <b>S</b>     | K7AA1X | SAFETY BELT LENGTH            | STANDARD SAFETY BELT LENGTH                            |
| <b>S</b>     | OUXA1X | SAFETY BELT DRIVER SEAT       | SAFETY BELT DRIVER SEAT, BLACK                         |
| <b>S</b>     | OXXA1X | SAFETY BELT PASSENGER SEAT    | SAFETY BELT PASSENGER SEAT, BLACK                      |
| <b>S</b>     | 4AXB1X | CLIMATE UNIT                  | INTEGRAL AIR CONDITIONER WITH HEATER - MANUAL CONTROLS |
| <b>S</b>     | 31XK2X | FLOOR MATS                    | FRONT FLOOR INSERTS, RUBBER                            |
| <b>S</b>     | XRXB1X | STEERING WHEEL ADJUSTMENT     | STANDARD STEERING WHEEL ADJUSTMENT                     |
| <b>S</b>     | 7BAA3X | STEERING WHEEL MATERIAL       | STANDARD STEERING WHEEL COVERING                       |
| <b>S</b>     | 571020 | GAUGE PACKAGE                 | EIGHT GAUGE INSTRUMENT CLUSTER                         |
| <b>S</b>     | PVXA2X | AIR RESTRICTION INDICATOR     | GRADUATED ARI ON FILTER                                |
| <b>S</b>     | N8XD1X | SPEEDOMETER GRADUATION        | MPH SPEEDOMETER GRADUATION                             |

| LIGHTING |        |                       | DESCRIPTION                          |
|----------|--------|-----------------------|--------------------------------------|
| <b>S</b> | P8XB9X | HEADLAMPS             | LED HEADLAMPS WITH SIGNATURE DRL     |
| <b>S</b> | LSXG1X | DAYTIME RUNNING LAMPS | EQUIPPED WITH DAYTIME RUNNING LIGHTS |
|          | NEXC2X | STOP AND TAIL LIGHTS  | DUAL LED WITH INTEGRAL BACKUP LIGHTS |
|          | NPXA1X | TURN SIGNAL SWITCH    | NON CANCELLING TURN SIGNAL SWITCH    |

| AUDIO SYSTEM |        |                           | DESCRIPTION   |
|--------------|--------|---------------------------|---|
|              | 590030 | RADIO PACKAGE             | AM / FM / MP3 RADIO                                     |
|              | 73AJ5X | RADIO ANTENNA             | SINGLE RIGHT HAND MIRROR MOUNTED RADIO ANTENNA PREP KIT |
| <b>S</b>     | N0XA1X | MARKER INTERRUPTER SWITCH | MARKER INTERRUPTER SWITCH                               |
| <b>S</b>     | 5CXA1X | RADIO SPEAKERS            | SPEAKERS IN DASH ONLY                                   |

| MISC CAB EQUIPMENT |        |                       | DESCRIPTION              |
|--------------------|--------|-----------------------|--------------------------|
| <b>S</b>           | 3AXB1X | DOOR LOCKS CAB        | MANUAL CAB DOOR LOCKS    |
| <b>S</b>           | 20XA1X | KEY TYPE              | BASIC UNIQUE KEY         |
| <b>S</b>           | 8BXB1X | KEY QUANTITY PER UNIT | 4 KEYS PROVIDED PER UNIT |



# TECHNICAL SPECIFICATION *(cont.)*

| TIRES AND WHEELS FRONT |        |                                | DESCRIPTION   |
|------------------------|--------|--------------------------------|---|
|                        | 093303 | TIRE PACKAGE FRONT             | 315/80R22.5L BRIDGESTONE M843 (18180 LBS. GAWR) ON/OFF ROAD USAGE (Total for QTY = 2)         |
| <b>S</b>               | 4WCC1X | TIRE CLASSIFICATION FRONT (CA) | GHG FRONT TIRE CLASSIFICATION, LOW ROLLING RESISTANCE   |
| <b>S</b>               | 084562 | WHEEL PACKAGE FRONT            | 22.5X9.00 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTED (Total for QTY = 2) |
| <b>S</b>               | 907002 | FRONT WHEEL AND TIRE QUANTITY  | TWO WHEELS AND TIRES FRONT  |

| TIRES AND WHEELS REAR |        |                               | DESCRIPTION  |
|-----------------------|--------|-------------------------------|--|
| <b>S</b>              | 094736 | TIRE PACKAGE DRIVE            | 11R22.5G BRIDGESTONE R268 (23360 LBS. GAWR) REGIONAL HAUL (STEER/ALL POSITION) (Total for QTY = 8) |
| <b>S</b>              | 4XCC1X | TIRE CLASSIFICATION REAR (CA) | GHG REAR TIRE CLASSIFICATION, LOW ROLLING RESISTANCE   |
| <b>S</b>              | 085069 | WHEEL PACKAGE DRIVE           | 22.5X8.25 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTED (Total for QTY = 8)      |
| <b>S</b>              | 908008 | DRIVE WHEEL AND TIRE QUANTITY | EIGHT WHEELS AND TIRES DRIVE   |

| MISC TIRE EQUIPMENT |        |                      | DESCRIPTION                    |
|---------------------|--------|----------------------|--------------------------------|
| <b>S</b>            | 15XABX | TIRE INFLATION VALVE | TIRE INFLATION VALVE, STANDARD |

| PAINT    |        |                         | DESCRIPTION  |
|----------|--------|-------------------------|--|
| <b>S</b> | 950800 | CAB PAINT SCHEME        | SINGLE COLOR PAINT   |
| <b>S</b> | 9801T4 | FIRST TRUCK COLOR       | GLACIER WHITE; P3029   |
| <b>S</b> | MPB980 | CAB COLOR               | CAB SAME AS FIRST COLOR  |
| <b>S</b> | MPD980 | HOOD COLOR              | HOOD SAME AS FIRST COLOR   |
| <b>S</b> | MPE980 | COWL COLOR              | COWL SAME AS FIRST COLOR   |
|          | 987998 | BUMPER COLOR            | UNPAINTED BUMPER / POWDER COAT / NO BUMPER COLOR PROVIDED                                  |
|          | 996998 | SUN VISOR COLOR         | NO SUN VISOR COLOR PROVIDED  |
| <b>S</b> | 9861U1 | CHASSIS COLOR           | BLACK P3036  |
| <b>S</b> | 988401 | DISC WHEEL OR RIM COLOR | STEEL DISC WHEELS - PREPAINTED WHITE, POWDER - COAT, ALUMINUM OR STYLIZED DISC - UNPAINTED |

| BUSINESS SERVICES |        |                         | DESCRIPTION                    |
|-------------------|--------|-------------------------|--------------------------------|
| <b>S</b>          | 9LAA1X | PRE-DELIVERY INSPECTION | PRE-DELIVERY INSPECTION, BASIC |

| OUTSIDE MODIFICATION PLANNING |        |                                      | DESCRIPTION                          |
|-------------------------------|--------|--------------------------------------|--------------------------------------|
| <b>S</b>                      | 615998 | FONTAINE IN-SERVICE PLANNING CODE    | NO FONTAINE IN-SERVICE PLANNING CODE |
| <b>S</b>                      | 617998 | FONTAINE BODY INSTALL CODE           | NO FONTAINE BODY INSTALL             |
| <b>S</b>                      | 618998 | FONTAINE AUXILIARY AXLE INSTALL CODE | NO FONTAINE AUXILIARY INSTALL        |
| <b>S</b>                      | 609998 | FONTAINE LEAD TIME CODE              | NO FONTAINE LEAD TIME                |

| BASE WARRANTY AND PURCHASED COVERAGES |        |  | DESCRIPTION  |
|---------------------------------------|--------|--|--|
| <b>S</b>                              | 899302 | WARRANTY TYPE                            | HEAVY_DUTY_STANDARD_BASE_COVERAGE 12_MONTHS / 100,000_MILES  |
| <b>S</b>                              | 896900 | VOLVO D11/D13 ENGINE EXTENDED COVERAGE   | VOLVO D11/D13 BASE ENGINE COVERAGE - 24MTHS/250K MILES   |
|                                       | M8309T | EMISSION - SURCHARGE                     | EPA (ONLY) FOR VOLVO 11L / 13L DIESEL  |
| <b>S</b>                              | M99998 | CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS | NO CUSTOM/BUNDLED PURCHASE COVERAGE OPTIONS PROVIDED   |
| <b>S</b>                              | 875001 | VEHICLE EMISSIONS COMPONENTS COVERAGE    | US & CANADA VOLVO ENGINE EQUIPPED VEHICLE EMISSIONS COMPONENTS COVERAGE_60 MONTHS/100K_MILES         |
|                                       | 880009 | TRANSMISSION COVERAGE                    | 36 MTHS: EATON FULLER STANDARD DUTY WARRANTY FOR ALL MANUAL AND AUTOMATED TRANSMISSIONS, ANY TORQUES |

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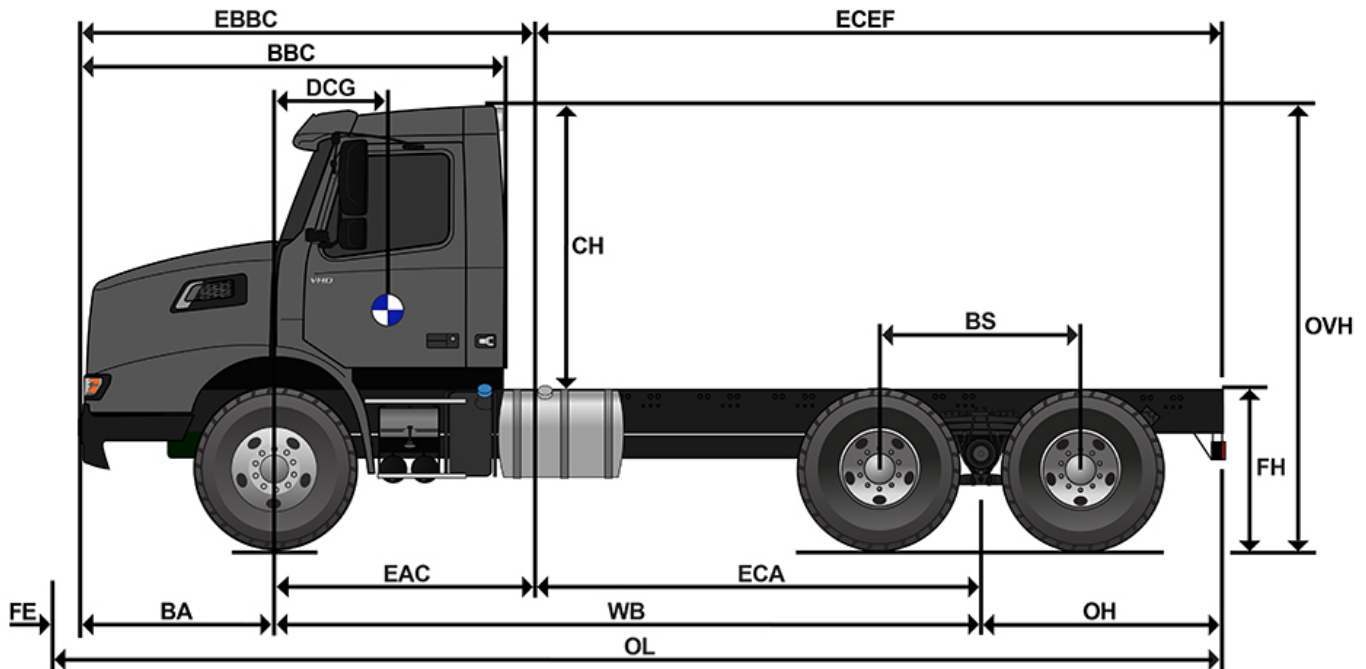
# TECHNICAL SPECIFICATION *(cont.)*

| BASE WARRANTY AND PURCHASED COVERAGES |        |   | DESCRIPTION   |
|---------------------------------------|--------|---|---|
| <b>S</b>                              | 685998 | CLUTCH COVERAGE                             | NO CLUTCH COVERAGE PROVIDED                                   |
| <b>S</b>                              | 888900 | ADDITIONAL EXTENDED CHASSIS TOWING COVERAGE | BASE CHASSIS TOWING COVERAGE, 90 DAY/5000 MILE/8050 KILOMETER |
| <b>S</b>                              | 874900 | ADDITIONAL EXTENDED ENGINE TOWING COVERAGE  | BASE VOLVO ENGINE TOWING COVERAGE, 24 MO/250K MILE            |
| <b>S</b>                              | 959998 | NEW PAINT DEVELOPMENT FEE                   | NO NEW PAINT DEVELOPMENT FEE                                  |
| <b>S</b>                              | 866011 | REMOTE DIAGNOSTICS BUNDLE                   | REMOTE DIAGNOSTICS WITH REMOTE PROGRAMMING - 24 MONTHS        |
| <b>S</b>                              | 867001 | UPTIME CENTER BUNDLE                        | ASIST AND VOLVO ACTION SERVICE - 24 MONTHS                    |
| <b>S</b>                              | 862010 | PREPAID API                                 | WITHOUT PREPAID API   |



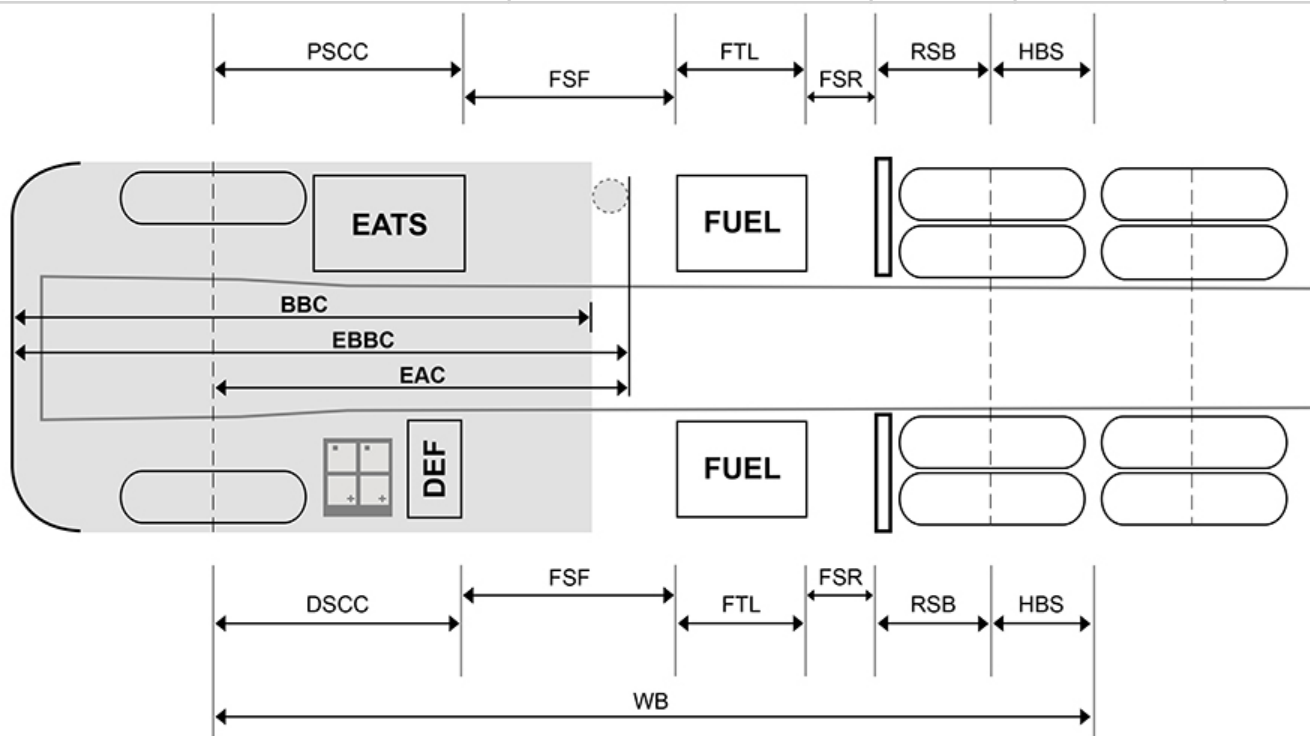
**VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY**

| Description                    | Sales Code | Dwg Ref     | Length | UOM    |
|--------------------------------|------------|-------------|--------|--------|
| Front Frame Extension          | N/A        | <b>FE</b>   | 0.0    | INCHES |
| Bumper to Front Axle           | N/A        | <b>BA</b>   | 51.2   | INCHES |
| Wheelbase                      | N/A        | <b>WB</b>   | 208.1  | INCHES |
| Rear Overhang                  | N/A        | <b>OH</b>   | 55.5   | INCHES |
| Overall Length                 | N/A        | <b>OL</b>   | 314.8  | INCHES |
| Bumper to Back of Cab          | N/A        | <b>BBC</b>  | 113.6  | INCHES |
| Eff. Bumper to Back of Cab     | N/A        | <b>EBBC</b> | 121.6  | INCHES |
| Eff. Cab to Rear Axle          | N/A        | <b>ECA</b>  | 137.7  | INCHES |
| Eff. Front Axle to Back of Cab | N/A        | <b>EAC</b>  | 70.4   | INCHES |
| Eff. Cab to End of Frame       | N/A        | <b>ECEF</b> | 193.2  | INCHES |
| Unladen 5th Wheel Height       | E5BZ1X     | <b>5W</b>   | 0.0    | INCHES |
| Unladen Frame Height           | N/A        | <b>FH</b>   | 42.4   | INCHES |
| Cab Height                     | N/A        | <b>CH</b>   | 74.3   | INCHES |
| Overall Height                 | N/A        | <b>OVH</b>  | 149.8  | INCHES |
| Driver CG                      | N/A        | <b>DCG</b>  | 42.0   | INCHES |
| Second Front Axle Spacing      |            | <b>SFAS</b> | 0.0    | INCHES |



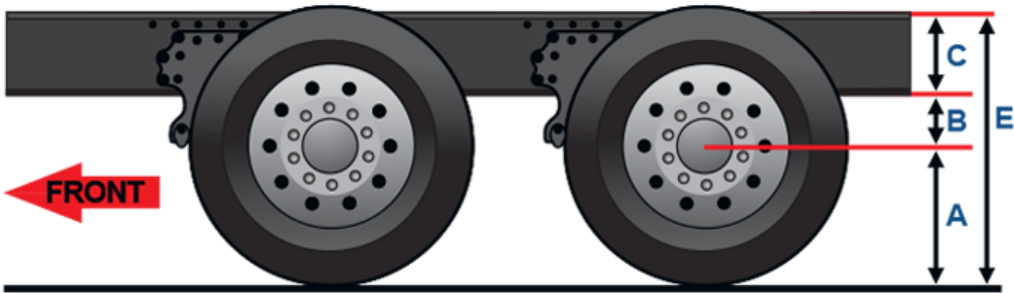
# VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

| Description  | Sales Code      | Dwg Ref | Left Value(in) | Right Value(in) |
|--|-----------------|---------|----------------|-----------------|
| Wheelbase  | N/A             | WB      | 208.1          | 208.1           |
| Eff. Front Axle to Back of Cab   | N/A             | EAC     | 70.4           | 70.4            |
| 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     | 113.6          | 113.6           |
| Eff. Bumper to Back of Cab   | N/A             | EBBC    | 121.6          | 121.6           |
| LEFT HAND BATTERY BOX - 3 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VHDB) | 3XBDAX          | DSCC    | 63.8           | N/A             |
| INTEGRATED DPF & SCR (VNR / VNL / VHDB)  | 3YBAFX          | PSCC    | N/A            | 75.2            |
| Frame Space Front  | N/A             | FSF     | -1.4           | 0.0             |
| Frame Space Rear   | N/A             | FSR     | 53.7           | 76.9            |
| 40,000 LB VOLVO T-RIDE (2-LEAF FIRM RIDE) 54" SPACING                          | 350377          | RSB     | 29.0           | 29.0            |
| HBS  | GWXDGX          | HBS     | 27.0           | 27.0            |



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.

| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY |            |         |         |       |        |
|--|------------|---------|---------|-------|--------|
|  |            |         | Rear    |       |        |
| Description  | Sales Code | Dwg Ref | Unladen | Laden | UOM    |
| Requested Fifth Wheel Height                         | E5BZ1X     |         | 0.0     | 0.0   | INCHES |
| Tire Radius  | 094736     | A       | 20.8    | 19.3  | INCHES |
| Suspension Height                                    | 350377     | B       | 9.8     | 9.4   | INCHES |
| Frame Depth  | 403005     | C       | 11.8    | 11.8  | INCHES |
| Closest Available Fifth Wheel Leg Height             | N/A        | D       | 0.0     | 0.0   | INCHES |
| Total Height   | N/A        | E       | 42.4    | 40.5  | INCHES |



| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY |            |  |       |     |
|--|------------|--|-------|-----|
| Sub-Category   | Sales Code | Sales Code Description   | Value | UOM |
| Front Axle   | 370403     | VOLVO VF14 14,600 LB FRONT SPRINGS   | 14600 | LB  |
| Front Suspension                                     | 370403     | VOLVO VF14 14,600 LB FRONT SPRINGS   | 14600 | LB  |
| Front Tires  | 093303     | 315/80R22.5L BRIDGESTONE M843 (18180 LBS. GAWR) ON/OFF ROAD USAGE              | 18180 | LB  |
| Front Wheels   | 084562     | 22.5X9.00 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTED      | 20000 | LB  |
| Front GAWR   |            |  | 14600 | LB  |
| Rear Axle  | 330684     | MERITOR MT-40-14X4D HYPOID (HEAVY DUTY HOUSING) 40,000 LB CAPACITY             | 40000 | LB  |
| Rear Suspension                                      | 350377     | 40,000 LB VOLVO T-RIDE (2-LEAF FIRM RIDE) 54" SPACING                          | 40000 | LB  |
| Rear Tires   | 094736     | 11R22.5G BRIDGESTONE R268 (23360 LBS. GAWR) REGIONAL HAUL (STEER/ALL POSITION) | 46720 | LB  |
| Rear Wheels  | 085069     | 22.5X8.25 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTED      | 59200 | LB  |
| Rear GAWR  |            |  | 40000 | LB  |
|  |            |  |       |     |
| Truck GVWR   |            |  | 54600 | LB  |
| Gross Combination Weight Rating                      |            |  | 0     | LB  |
|  |            |  |       |     |
| Tax Value GVWR (USA FET Only)                        |            |  | 54600 | LB  |



**Volvo Trucks**

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