

**MANAC  
SPECIFICATIONS  
2016  
LOG TRAILER  
SKELETON STRAIGHT AND SLOPED**

**153163-153166**

**DIMENSIONS:**

LENGTH: 42'-0" –Deduct 1'0" (or more) on trailer, (LOGGER USA ONLY)  
WIDTH: 102"  
HEIGHT: NOMINAL, 13' HIGH, TOP OF FRAMES APPROX.  
60" HIGH AT FRONT AT REAR  
DROP: 8" DROP, 120" STRAIGHT BETWEEN THE DROPS, (IN THE CENTER).  
**BULKHEAD: YES – UNITS 153163, 153164, 153165**  
**NO BULKHEAD: UNIT 153166**

**COUPLING:**

COUPLER PLATE: 3/8" PLUG WELDED REINFORCED STRUCTURE FOR LOG TRAILER  
KING PIN LOCATION: 20" FROM FRONT  
COUPLER HEIGHT: 48"

**STRUCTURE:**

FLANGES: 44" C/C FRAME WITH "CAMBER".  
WEB: 3/8" X 5" 100,000 PSI STEEL  
GOOSENECK: 1/4" PLATE IN KING PIN AREA AND REMAINING IN 3/16"  
80,000 PSI STEEL  
CROSS MEMBERS: 11 1/4" HIGH, W/INTEGRATED NOSE RAMP AND 84"  
FLOOR: STRAIGHT BEHIND KING PIN  
I-BEAMS, 4" @ 3.2 LBS. /FT., 80,000 PSI STEEL, ABOVE SUSPENSION  
CHECKER PLATE 1/8" AT FRONT AND ABOVE SUSPENSIONS AT  
REAR, BETWEEN MAIN BEAMS, ONLY. (NO WOOD FLOORING AT  
ALL)  
CORNERS: SQUARE  
X BRACES: BETWEEN MAIN BEAMS, FULL LENGTH.

**ENDS:**

FRONT RAIL: 1/4" THICK FORMED PLATE  
BUMPER: USA FORESTRY TYPE  
BUNKS: 2 SLIDER SETS GALVANIZED OF BUNKS INCLUDING POSTS.  
BUNKS: BUNK, TUBING 3 1/2" X 8" HEIGHT, 100 000 PSI STEEL.  
STAKES: QTY. 8  
GALANIZED 3 1/2" X 4 1/2" 100 000 PSI STEEL

**ELECTRICAL:**

FRONT CONNECTOR: 7 WAYS (SAE J560), PHILLIPS BRAND  
ELECTRICAL SYSTEM: SHOCK PROOF LIGHTS, POLYCARBONATE LENSES, AND IN  
COMPLIANCE W/CMVSS 108.  
MAIN SYSTEM: GROTE ULTRA BLUE LED, SEALED BEAMS, (TAIL LIGHTS WITH  
MALE PINS #54332, MARKERS LIGHTS, MICRONOVA #47962, 47973,  
IDENTIFICATION LIGHTS #47122 (2 1/2" DIA.), LICENSE LIGHT #60291-3.  
FLASHERS: SEALED BEAMS LED, (GROTE #54163) ONE LAMP INCLUDING SIDE  
MARKER AND FLASHER, EACH SIDE AT MIDDLE POINT, AMBER.  
BACK UP LIGHTS: SEALED BEAM SPOT LIGHT IN A BACK RUBBER GROMMET. QTY: 2

REAR CONNECTOR: 7 WAY, PHILLIPS BRAND.

**LANDING GEAR:**

SAND SHOES: FABRICATED STEEL, SWING TYPE WITH STEEL CABLE.  
CRANK: "U" STEEL SHAPE, 84" WIDTH  
ROAD SIDE

**BOGIE:**

BOGIE: FIXED, TANDEM 49" SPREAD.  
MECHANICAL (GROUND AXLES): HUTCH H-9700, TANDEM, UNDER MOUNT, 49" SPREAD.  
SUSPENSION: WITH NUTS AT BOTTOM.  
U-BOLTS: 3 LEAVES, TRA-2740, 12 500 LBS CAPACITY.  
SPRINGS: HENDRICKSON, S505, 25 000 LBS. CAPACITY.  
AXLES: WELDED  
SPIDERS: 28 SPLINES WITH ENCLOSURES.  
CAM SHAFTS: 77 1/2"  
TRACK: NONE  
DUST SHIELDS: 16 1/2" STANDARD, LONG LIFE H26-HXS HENDRICKSON LINING.  
BRAKES: HM218248 & HM212049  
BEARINGS: MERITOR AUTOMATIC, 28 SPLINES (6")  
SLACK ADJUSTERS: STEMCO, "VOYAGER" TYPE W/"GEARLUBE" MINERAL OIL, SAE  
SEALS: 80W90  
BRAKE CHAMBER: T.S.E. BRAKE, "OMNIBRAKE" (30-30)  
HUBS & DRUMS: 10 STUD DISC HUBS, BALANCED DRUMS, 285.75MM B.C., SINGLE  
FLANGE NUTS, OUTBOARD MOUNT.  
FOR DUAL ALUMINUM WHEELS.  
RIMS: 22.5 X 8.25 DISC (10 HOLES),  
285.75MM B.C., SINGLE FLANGE NUTS. 2 HAND HOLES.  
TIRES: CONTINENTAL, 11R 24.5 HTL ECO PLUS 14 PLY (43")

**AIR SYSTEM:**

GLAD HANDS: FIXED  
AIR VALVES: ROCKWELL WABCO, ABS, 2 SENSORS 1 MODULATOR.  
DIAGNOSTIC CABLE: NOT INCLUDED W/ABS VALVE

**ACCESSORIES:**

REGISTRATION HOLDER: ONE PLASTIC, BETTS-PS-1 OR EQUIVALENT.  
MUD FLAPS: ONE SET, RUBBER WITH MANAC LOGO AND VERTICAL GROOVES  
TO REDUCE SPRAY.  
WINCHES: QTY: 4 #649391, FIXED (5"). LOCATED ROAD ON WEB BETWEEN  
BUNK.

**FINISHING:**

PAINT: SHOT BLASATED, ONE COAT OF EPOXY PRIMER AND ONE ACRYLIC  
URETHANE TOP COATS,  
COLOR: BLACK, CODE: PPG AU3M95043  
WHITE POWDER TOP COAT  
WHEELS OR RIMS: CONSPICUITY STRIPING IN COMPLIANCE W/CHVSS 108.  
RETROREFLECTIVE TAPE: GREY & RED, EACH SIDE, FULLY COVERS REAR SILL AND  
HORIZONTAL UNDERIDE PROTECTION BAR

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.