



TRUCK, HIAB LOADER & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.

TOTAL WEIGHT ON FRONT AXLE = 10,680 LBS.
 TOTAL WEIGHT ON REAR AXLE = 19,940 LBS.
 FRONT AXLE WT. PERCENTAGE = 35 %
 REAR AXLE WT. PERCENTAGE = 65 %
 GROSS VEHICLE WEIGHT = 30,620 LBS.

TRUCK, HIAB LOADER & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.

TOTAL WEIGHT ON FRONT AXLE = 15,720 LBS.
 TOTAL WEIGHT ON REAR AXLE = 34,000 LBS.
 FRONT AXLE WT. PERCENTAGE = 32 %
 REAR AXLE WT. PERCENTAGE = 68 %
 GROSS VEHICLE WEIGHT = 49,720 LBS.
 WATER LEVEL PAYLOAD = 19,100 LBS.

TRUCK SPECIFICATIONS

TRUCK MODEL = PETERBILT 348
 WHEELBASE = 296"
 CAB TO TANDEM = 226"
 AXLE-TO-FRAME = 135 1/4"

FRONT AXLE CURB WEIGHT = 9,100 LBS.
 REAR AXLE CURB WEIGHT = 7,900 LBS.
 FRONT G.A.W.R. = 20,000 LBS.
 REAR G.A.W.R. = 40,000 LBS.

YIELD STRENGTH OF EACH FRAME RAIL MINIMUM SECTION MODULUS REQUIRED
 120,000 P.S.I. YIELD = 15.25 in.³
 MINIMUM RBM/RAIL OF 1,829,659 IN-LBS

NOTES:

DOUBLE FRAME RAIL CHASSIS REQUIRED.
 CHASSIS FRAME RAIL MUST MEET OR EXCEED MINIMUM RBM.
 RISER REQUIRED FOR ROTATION CLEARANCE.
 8"x4"x3/8" RECT. TUBING (ON TOP OF CHASSIS FRAME)
 7"x3"x3/8" RECT. TUBING (CROSS MEMBERS)
 BODY WEIGHT WAS ESTIMATED.
 CURB WEIGHTS WERE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 20,000 LBS. ALLOWED ON FRONT AXLE.
 34,000 LBS. ALLOWED ON TANDEM.
 54,000 LBS. ALLOWED FOR GROSS WEIGHT.
 MAXIMUM LENGTH CANNOT EXCEED 40'.

NOTICE:

THE DRAWING PURPOSE IS TO INTRODUCE A GENERAL CONCEPT OF A PROPOSED IDEA.

NOTICE:

THIS WEIGHT DISTRIBUTION IS BASED ON ESTIMATED WEIGHTS AND IS ONLY AS ACCURATE AS THOSE ESTIMATES. ACTUAL WEIGHTS MAY CHANGE THE RESULTS OF THIS WEIGHT DISTRIBUTION.

Hiab, Inc.

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Tolerances - unless otherwise noted.
 Tolerances are in inches
 2-PLACE .0000 .03
 3-PLACE .0000 .015
 ANGULAR .01
 FRACTIONAL 1/16
 Break all sharp corners unless otherwise specified.

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Next Assy.
J14S / SALES
 Dwg/Cad file no.

Drawing Title:

LOGLIFT J14S 79i

Project Name:

SALES LAYOUT

Drawn by/Date:

SMG 3-9-20

Approval:

Date Approved:

Size:

NA

Scale:

unit wt.

Part No.

Eng. job no.: