



REV. PART NO. H4422-SC

**TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.**

TOTAL WEIGHT ON FRONT AXLE	= 18,740 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 24,240 LBS.
FRONT AXLE WT. PERCENTAGE	= 44 %
TANDEM AXLE WT. PERCENTAGE	= 56 %
GROSS VEHICLE WEIGHT	= 42,980 LBS.

**TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.**

TOTAL WEIGHT ON FRONT AXLE	= 19,530 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 31,070 LBS.
FRONT AXLE WT. PERCENTAGE	= 39 %
TANDEM AXLE WT. PERCENTAGE	= 61 %
GROSS VEHICLE WEIGHT	= 50,600 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 7,620 LBS.

**TRUCK SPECIFICATIONS**

TRUCK MODEL	= MACK MRU613
WHEELBASE	= 260"
CAB TO TANDEM	= 237 1/2" USABLE
AXLE-TO-FRAME	= 60 1/2"

FRONT TARE WEIGHT	= 12,500 LBS.
TANDEM TARE WEIGHT	= 8,200 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.

YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 13.76 in. <sup>3</sup>
MINIMUM RBM/RAIL OF 1,651,066 IN-LBS	

**NOTES:**  
 DOUBLE FRAME CHASSIS REQUIRED.  
 FRAME RAIL MUST MEET OR EXCEED THE MIN. RBM REQ'D.  
 4" x 4" x 3/8" SQ. TUBE RISER REQUIRED.  
 CURB WEIGHTS WERE ESTIMATED.  
 REFUSE BODY WEIGHT WAS PROVIDED

TRUCK RUNS IN SOUTH CAROLINA.  
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
 36,000 LBS. ALLOWED ON TANDEM AXLE.  
 50,600 LBS. ALLOWED FOR GROSS WEIGHT.  
 OVERALL LENGTH MUST NOT 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.**

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

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Next Assy.

Dwg/Cad file no.

158 / SALES

Drawing Title:

HIAB 158B-3 HIPRO CRANE

Project Name:

SALES LAYOUT

Drawn by: Date:

PWP

6-9-21

Approval:

Date Approved:

Size: Part No.

Scale: unit wt.

Eng. Job no.:

54689