



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, PUSHER AXLE UP.

TOTAL WEIGHT ON FRONT AXLE	= 12,020 LBS.
TOTAL WEIGHT ON REAR AXLE	= 19,480 LBS.
FRONT AXLE WT. PERCENTAGE	= 38 %
REAR AXLE WT. PERCENTAGE	= 62 %
GROSS VEHICLE WEIGHT	= 31,500 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DIST., WITH PAYLOAD, PUSHER AXLE DOWN.

TOTAL WEIGHT ON FRONT AXLE	= 16,820 LBS.
TOTAL WEIGHT ON PUSHER AXLE	= 8,500 LBS.
TOTAL WEIGHT ON REAR AXLE	= 33,180 LBS.
FRONT AXLE WT. PERCENTAGE	= 29 %
PUSHER AXLE WT. PERCENTAGE	= 14 %
REAR AXLE WT. PERCENTAGE	= 57 %
GROSS VEHICLE WEIGHT	= 58,500 LBS.
WATER LEVEL PAYLOAD	= 27,000 LBS.

TRUCK SPECIFICATIONS

TRUCK MODEL	= MACK GU813
WHEELBASE	= 275"
CAB TO AXLE	= 209 1/2"
AXLE-TO-FRAME	= 96"
FRONT AXLE CURB WEIGHT	= 9,700 LBS.
REAR AXLE CURB WEIGHT	= 8,200 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
REAR G.A.W.R.	= 38,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 23.50 in. ³
MINIMUM RBM/RAIL OF 2,820,000 IN-LBS	

NOTES:
 DOUBLE FRAME CHASSIS REQUIRED.
 FRAME RAIL MUST MEET THE MINIMUM RBM REQUIRED.
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:
 8"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 6"x3"x3/8" RECT. TUBING (CROSS MEMBERS)
 FLATBED WEIGHT IS ESTIMATED.
 CURB WEIGHS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 20,000 LBS. ALLOWED ON FRONT AXLE.
 34,000 LBS. ALLOWED ON TANDEM AXLE.
 42,500 LBS. ALLOWED ON 9' TRIDEM.
 58,500 LBS. ALLOWED FOR GROSS VEHICLE 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

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Tolerances - unless otherwise noted.
 Tolerances are in inches
 2-PLACE ±.000... .03
 3-PLACE ±.000... .015
 ANGULAR ±.000... 1°
 FRACTIONAL ±.000... 1/16"
 Break all sharp corners unless otherwise specified.

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Next Assy.

Dwg/Cad file no.

235L / SALES

Drawing Title:

HIAB 235 L-3 HIPRO CRANE

Project Name:

SALES LAYOUT

Drawn by: Date:

EJM

5-1-18

Approval:

Date Approved:

Size: Part No.

Scale: unit wt.

Eng. job no.: