



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

TOTAL WEIGHT ON FRONT AXLE	= 8,510 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 18,550 LBS.
FRONT AXLE WT. PERCENTAGE	= 31 %
TANDEM AXLE WT. PERCENTAGE	= 69 %
GROSS VEHICLE WEIGHT	= 27,060 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD AS SHOWN.

TOTAL WEIGHT ON FRONT AXLE	= 14,410 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 34,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 30 %
TANDEM AXLE WT. PERCENTAGE	= 70 %
GROSS VEHICLE WEIGHT	= 48,410 LBS.
PAYLOAD AS SHOWN	= 21,350 LBS.

TRUCK SPECIFICATIONS

TRUCK MODEL	= FREIGHTLINER M2-106
WHEELBASE	= 290"
CAB TO TANDEM	= 224"
AXLE-TO-FRAME	= 131"
FRONT TARE WEIGHT	= 7,905 LBS.
TANDEM TARE WEIGHT	= 8,095 LBS.
FRONT G.A.W.R.	= 14,600 LBS.
TANDEM G.A.W.R.	= 40,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 16.52 in. ³
MINIMUM RBM/RAIL OF 1,982,400 IN-LBS	

NOTES:
 FRAME RAIL MUST MEET MINIMUM RBM REQUIRED.
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:
 4"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 3"x3"x3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)
 CURB WEIGHTS WERE PROVIDED.
 BODY WEIGHT IS ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 14,600 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM AXLE.
 48,600 LBS. ALLOWED FOR GROSS WEIGHT.
 ALLOWABLE LEGAL OVERALL LENGTH IS 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. 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001 <small>Tolerances - unless otherwise noted. Tolerances are in inches 2-PLACE ±.000... .03 3-PLACE ±.000... .015 ANGULAR ±1/16" FRACTIONAL ±1/16" Break all sharp corners unless otherwise specified.</small>	<small>THIS PROPERTY AND ALL INFORMATION THEREIN IS THE PROPERTY OF Hiab, Inc., 12233 WILLIAMS RD., PERRYSBURG, OHIO 43551 AND IS CONFIDENTIAL. IT MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED TO RETURN UPON DEMAND AND SHALL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS. OUR PRIOR SPECIFIC APPROVAL IS REQUIRED FOR EXPOSURE OF THIS DRAWING TO OTHERS FOR ANY PURPOSE.</small>	Drawing Title: HIAB 158B-2 HIDUO CRANE	
		Project Name: SALES LAYOUT	
Next Assy. Dwg/Cad file no. 158 / SALES	Drawn by: Date: CSV 5-3-17 Approval: Date Approved:	Size: Scale:	Part No. unit wt. Eng. Job no.: