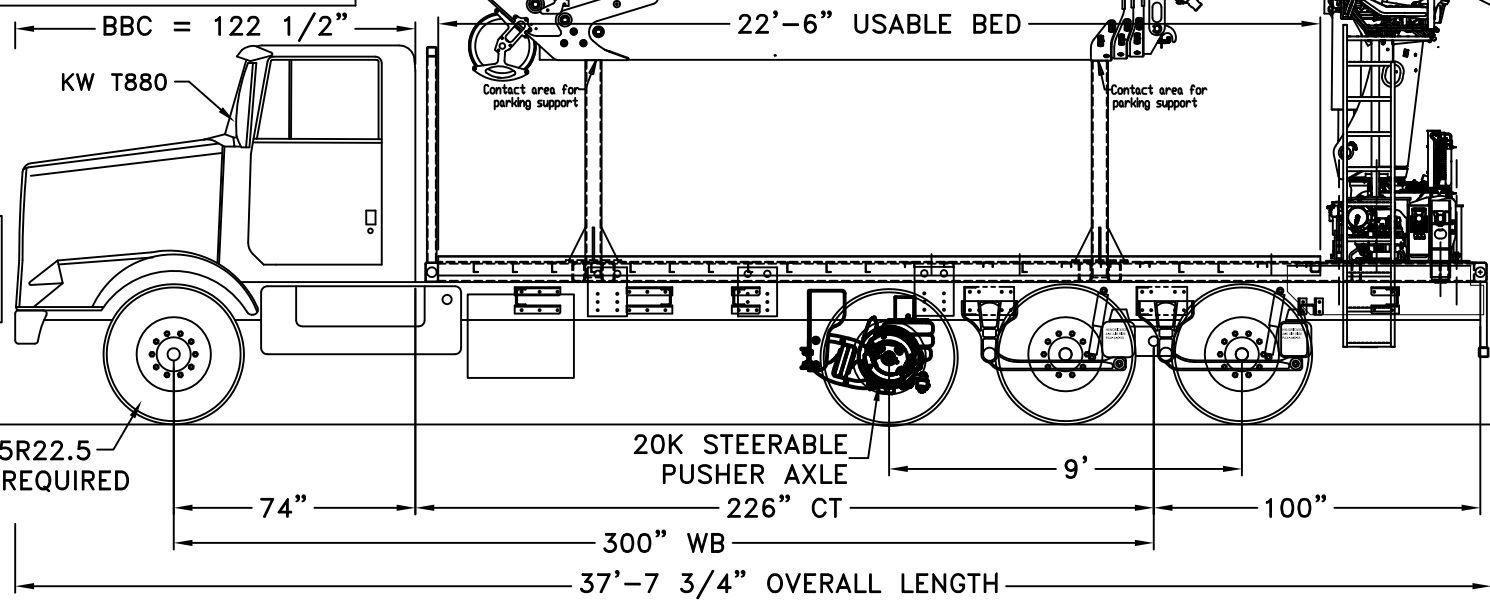


REV. PART NO. H3284A

YIELD STRENGTH  
120,000 P.S.I. YIELD

CRANE MINIMUM SECTION  
MODULUS REQUIRED  
= 49.58 in.<sup>3</sup>

CRANE MINIMUM RBM/RAIL = 5,950,000 IN-LBS



CRANE MAY BE DE-RATED  
IN FRONT QUADRANTS AS  
MUCH AS 50%. ACTUAL  
DE-RATING SHALL BE BASED  
ON PHYSICAL TESTING.

425/65R22.5  
TIRES REQUIRED

20K STEERABLE  
PUSHER AXLE

HIAB 410K-3

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, LIFT AXLE UP.	
TOTAL WEIGHT ON FRONT AXLE	= 16,120 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 28,280 LBS.
FRONT AXLE WT. PERCENTAGE	= 36 %
TANDEM AXLE WT. PERCENTAGE	= 64 %
GROSS VEHICLE WEIGHT	= 44,400 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD, LIFT AXLE DOWN.	
TOTAL WEIGHT ON FRONT AXLE	= 18,200 LBS.
TOTAL WEIGHT ON LIFT AXLE	= 8,500 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 33,300 LBS.
FRONT AXLE WT. PERCENTAGE	= 30 %
LIFT AXLE WT. PERCENTAGE	= 14 %
TANDEM AXLE WT. PERCENTAGE	= 56 %
GROSS VEHICLE WEIGHT	= 60,000 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 15,600 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= KENWORTH T880
WHEELBASE	= 300"
CAB TO TANDEM	= 226"
AXLE-TO-FRAME	= 100"
FRONT AXLE CURB WEIGHT	= 11,903 LBS.
TANDEM AXLE CURB WEIGHT	= 8,658 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	120,000 P.S.I. YIELD
MINIMUM SECTION MODULUS REQUIRED	= 38.00 in. <sup>3</sup>
MINIMUM RBM/RAIL = 4,560,000 IN-LBS	

**NOTES:**  
 DOUBLE FRAME CHASSIS REQUIRED.  
 FRAME RAIL MINIMUM OF 38.0 SECTION MODULUS REQUIRED.  
 FULL LENGTH SUB-FRAME REQUIRED:  
 6" x 4" x 3/8" RECT. TUBING (ON TOP OF FRAME RAIL)  
 5" x 3" x 3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)  
 BODY WEIGHTS ARE ESTIMATED.  
 CURB WEIGHTS WERE PROVIDED.

TRUCK RUNS IN US (RULES FOR MOST STATES)  
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
 34,000 LBS. ALLOWED ON TANDEM.  
 42,500 LBS. ALLOWED ON TRIDEM (9').  
 60,000 LBS. ALLOWED FOR GROSS WEIGHT.  
 ALLOWABLE LEGAL OVERALL LENGTH IS 40'.

**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**  
 Hiab, Inc.  
 12233 Williams Road  
 Perrysburg, Ohio 43551  
 Tel (419) 482-6000  
 Fax (419) 482-6001  
 Tolerances - unless otherwise noted.  
 Tolerances are in inches  
 2-PLACE ±.00..... .03  
 3-PLACE ±.000..... .015  
 ANGULAR ± ..... 1'  
 FRACTIONAL ± ..... 1/16"  
 Break all sharp corners unless otherwise specified.

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Next Assy.  
 Dwg/Cad file no.  
**410K / SALES**

Drawing Title: <b>HAIB 410K-3</b>	
Project Name: <b>SALES LAYOUT</b>	
Drawn by/Date: <b>SMG 4-8-20</b>	Size: Part No.
Approval: Date Approved:	Scale: unit wt. Eng. job no.: