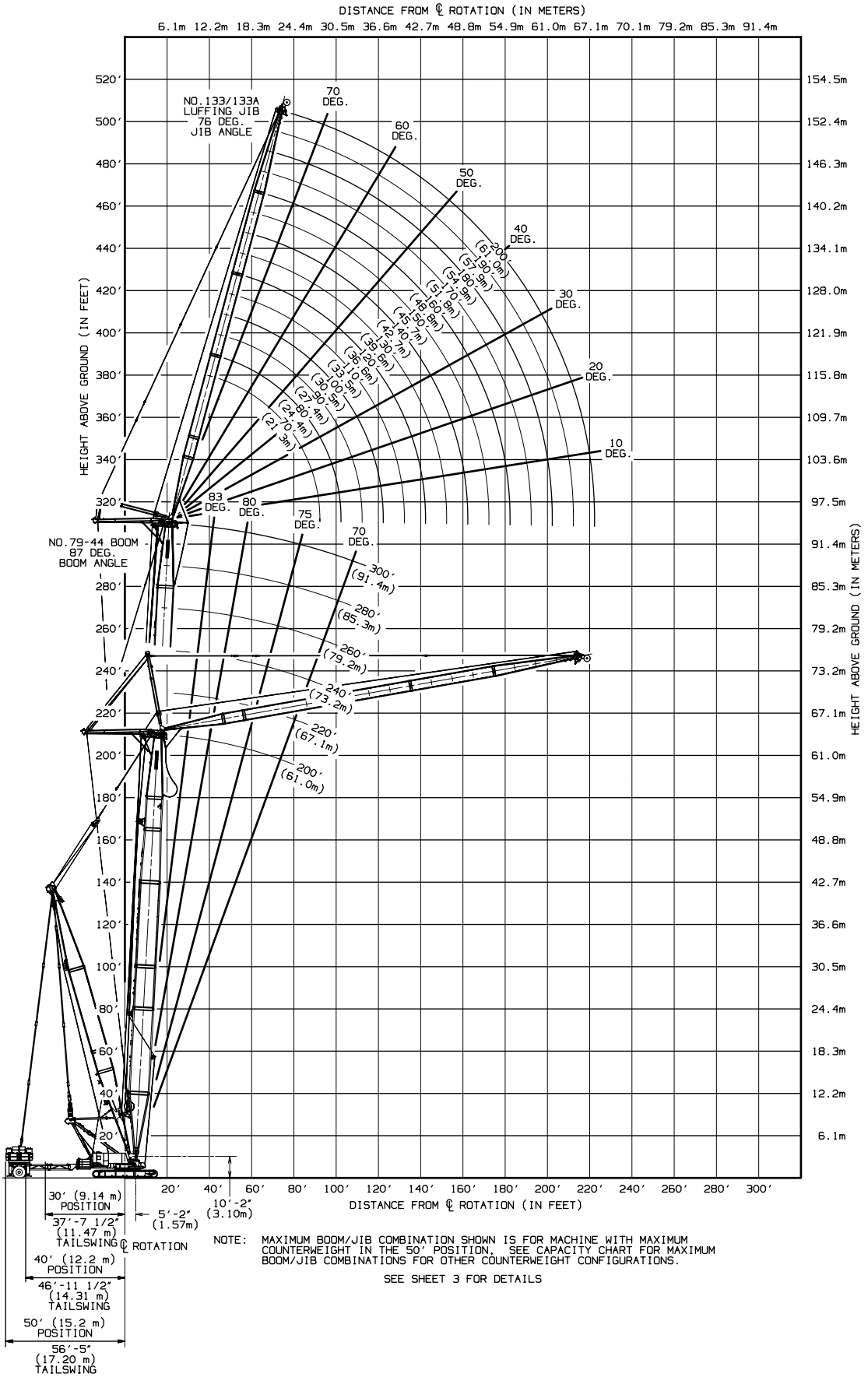
MANITOWOC CRANES, INC.



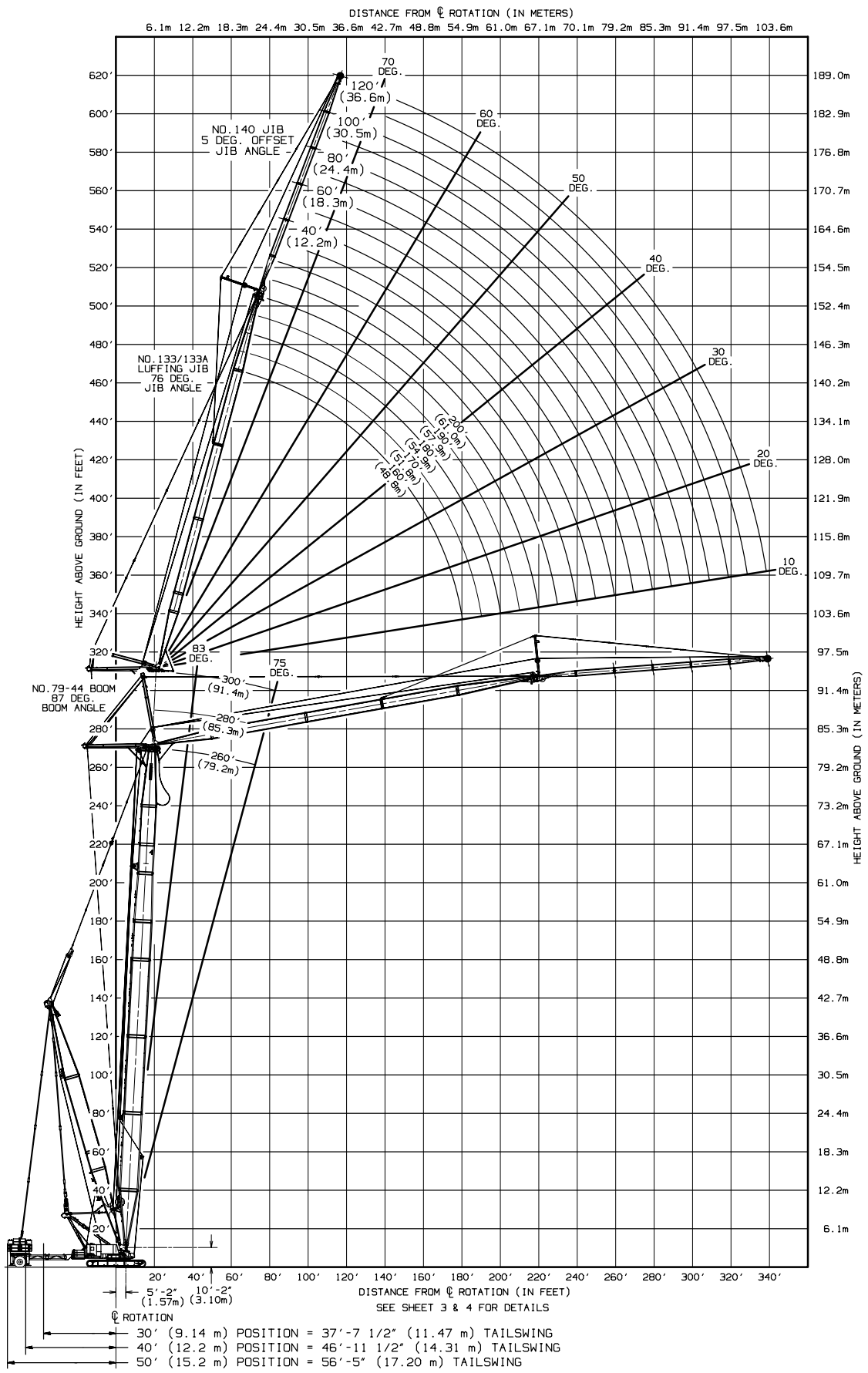
NOTE: MAXIMUM BOOM/JIB COMBINATION SHOWN IS FOR MACHINE WITH MAXIMUM COUNTERWEIGHT IN THE 50′ POSITION. SEE CAPACITY CHART FOR MAXIMUM BOOM/JIB COMBINATIONS FOR OTHER COUNTERWEIGHT CONFIGURATIONS.

SEE SHEET 3 FOR DETAILS

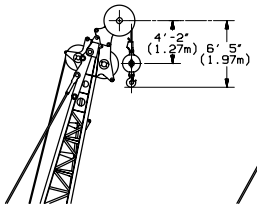
2250 MAX-ER 2000 RANGE DIAGRAM (#79-44 BOOM & #133 or #133A LUFFING JIB)

196531-1
10-19-00

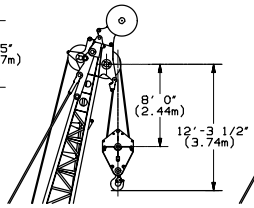
2250 MAX-ER 2000 RANGE DIAGRAM (#79-44 BOOM & #133 or #133A LUFFING JIB & #140 FIXED JIB)



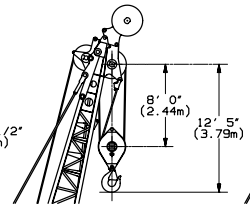
NOTE:
MAXIMUM BOOM/JIB COMBINATION SHOWN IS FOR MACHINE WITH MAXIMUM COUNTERWEIGHT IN THE 50′ POSITION. SEE CAPACITY CHART FOR MAXIMUM BOOM/JIB COMBINATIONS FOR OTHER COUNTERWEIGHT CONFIGURATIONS.



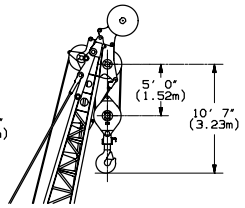
15 TON (14 Mt)
SWIVEL HOOK & WEIGHT BALL
TO UPPER BOOM POINT MINIMUM DISTANCE
#133 JIB - 1 PART OF LINE



45 TON (41 Mt) BLOCK
TO JIB POINT MINIMUM DISTANCE
#133 JIB - 2 PARTS OF LINE

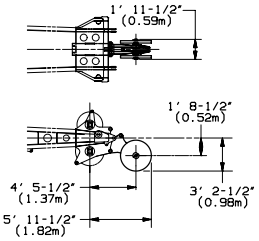


60 TON (54 Mt) BLOCK
TO JIB POINT MINIMUM DISTANCE
#133 JIB - 4 PARTS OF LINE

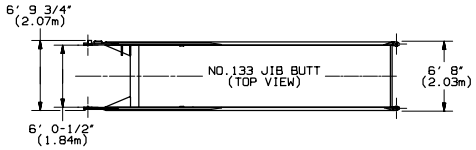


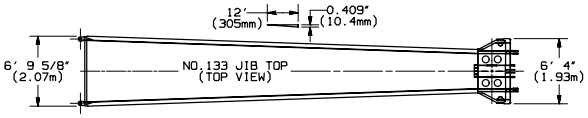
100 TON (91 Mt) BLOCK
TO JIB POINT MINIMUM DISTANCE
#133 JIB - 6 PARTS OF LINE

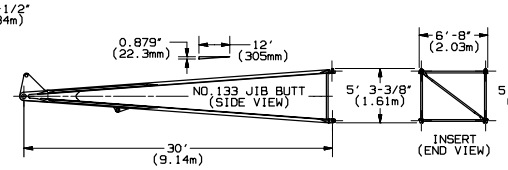
MINIMUM DISTANCE MEASUREMENTS
BASED ON 76° JIB ANGLE.

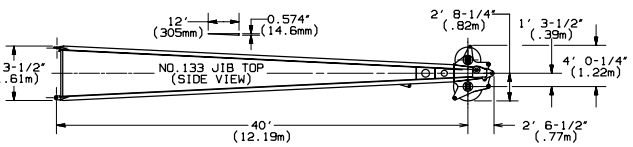


UPPER JIB POINT

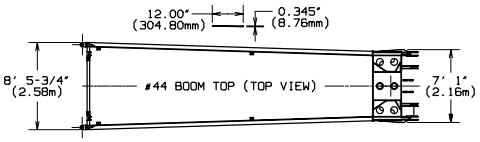


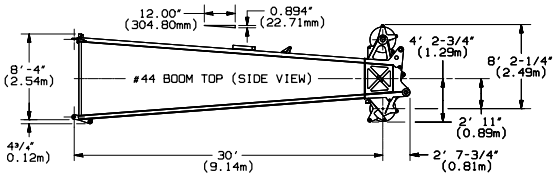


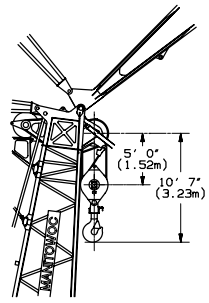




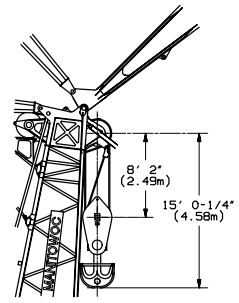
NOTE: JIB NO.133 (SHOWN) IS IDENTICAL TO JIB NO.133A EXCEPT FOR THE JIB CONNECTORS. JIB NO.133 HAS FACT CONNECTORS, JIB NO.133A HAS STANDARD CONNECTORS.





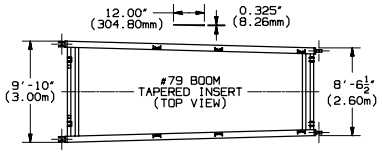


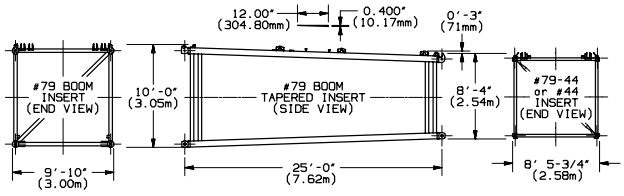
100 TON (91 Mt) BLOCK
TO BOOM POINT MINIMUM DISTANCE
#44 BOOM - 6 PARTS OF LINE

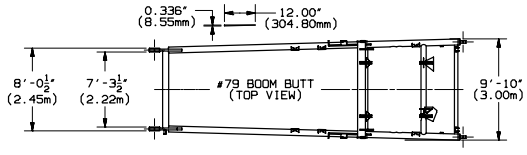


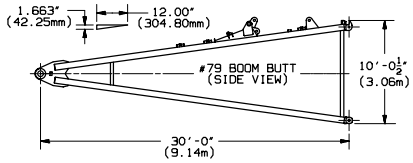
300 TON (272 Mt) BLOCK
TO BOOM POINT MINIMUM DISTANCE
#44 BOOM - 18 PARTS OF LINE

MINIMUM DISTANCE MEASUREMENTS BASED ON 83° BOOM ANGLE.
BOOM ANGLES ABOVE 83° ARE NOT ALLOWED WITH A LOAD BLOCK
HANGING FROM THE LOWER BOOM POINT.









NOTE 1: THIS DRAWING IS INTENDED ONLY AS A GUIDE TO ASSIST IN JOB PLANNING.

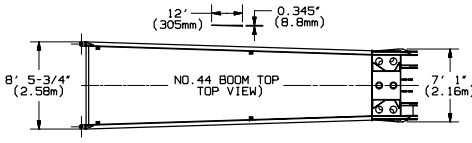
NOTE 2: FOR PLANNING A LIFT, THIS DRAWING IS TO BE USED IN CONJUNCTION WITH APPROPRIATE CAPACITY CHARTS, RANGE CHART, WIRE ROPE SPECIFICATIONS, RIGGING DRAWING, AND OUTLINE DIMENSIONS.

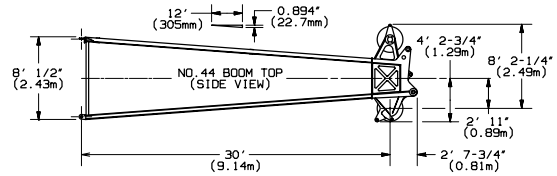
NOTE 3: FOR PLANNING LIFTS WHERE CLEARANCES ARE LIMITED AND ACCURACY IS DESIRED, A DETAILED LAYOUT SHOULD BE PREPARED.

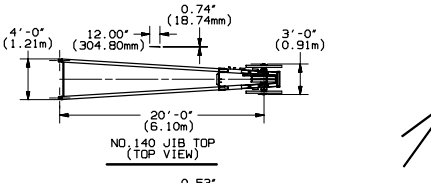
NOTE 4. WHEN EQUIPPED WITH BLOCK-UP LIMIT CONTROL, LOAD BLOCK TO BOOM POINT/JIB POINT MINIMUM DISTANCE MAY BE MORE THAN INDICATED.
SEE OPERATOR'S MANUAL FOR "BLOCK-UP LIMIT CONTROL".

NOTE 6: MINIMUM DISTANCE FROM MANITOWOC LOAD BLOCK TO BOOM POINT BASED ON 2 1/2° FLEET ANGLE OR PHYSICAL LIMITATIONS

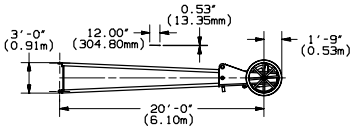
NOTE 7: MAXIMUM BOOM ANGLE 87 DEGREES FOR NO.79-44 BOOM WITH NO.133/133A LUFFING JIB.
MAXIMUM JIB ANGLE 75 DEGREES FOR NO.133/133A LUFFING JIB WITH NO.79-44 BOOM AT AN 87 DEGREE BOOM ANGLE.



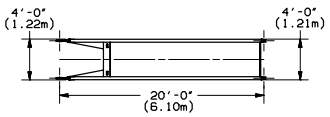




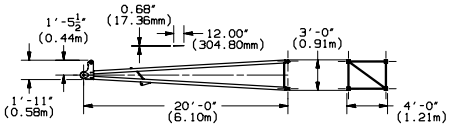
NO.140 JIB TOP
(TOP VIEW)



NO.140 JIB TOP
(SIDE VIEW)

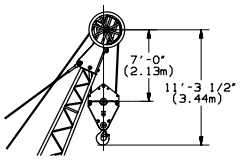


NO.140 JIB BUTT
(TOP VIEW)



NO.140 JIB BUTT
(SIDE VIEW)

INSERT
(END VIEW)



45 TON (41Mt) BLOCK
TO JIB POINT MINIMUM DISTANCE
#140 JIB - 2 PARTS OF LINE
BASED ON 71 DEGREE JIB ANGLE