

**MAXIMUM ALLOWABLE  
WIND CONDITIONS****M-250  
WITH MAX-ER 225****BOOM NO. 49A-44 WITH HEAVY LIFT TOP  
AND LUFFING JIB NO. 133A  
HANGING OR WHEELED COUNTERWEIGHT**

## SUPPLEMENTS WIND CONDITIONS ON CAPACITY CHARTS

IN ALL CASES WIND CONDITIONS STATED ON CAPACITY CHARTS TAKE PRIORITY

WIND VELOCITY MEASURED AT BOOM TOP ELEVATION

## A. WIND LIMITS DURING RAISING OR LOWERING

1. MACHINE MUST BE ASSEMBLED AS SHOWN ON APPROPRIATE RIGGING DRAWING.
2. MACHINE MUST BE ON A FIRM, LEVEL, AND UNIFORMLY SUPPORTING SURFACE.
3. RAISING OR LOWERING TO BE DONE ACCORDING TO LUFFING JIB RAISING PROCEDURE.
4. WIND LIMITS DURING ERECTION
  - a. WINDS FROM ANY DIRECTION SHOULD NOT EXCEED 30 MPH (13 m/s) FOR BOOM AND LUFFING JIB LENGTHS OF 320' (97.5m) OR LESS.
  - b. WINDS FROM ANY DIRECTION SHOULD NOT EXCEED 25 MPH (11 m/s) FOR BOOM AND LUFFING JIB LENGTHS OVER 320' (97.5m).

## B. WIND LIMITS DURING NORMAL LIFTING OPERATION

ALL BOOM AND LUFFING JIB LENGTHS MAY REMAIN IN OPERATING POSITION UNDER FOLLOWING CONDITIONS.

1. MACHINE MUST BE ON A FIRM, LEVEL, AND UNIFORMLY SUPPORTING SURFACE.
2. MACHINE MAY BE OPERATED IN WINDS PER NOTES ON APPROPRIATE CAPACITY CHART PROVIDED AN ALLOWANCE FOR EFFECT OF WIND ON LIFTED LOAD BE CONSIDERED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS, OR A COMBINATION OF BOTH. ©
3. AT ALL TIMES DURING A LIFT OPERATION, THE LOAD MUST REMAIN CONTROLLABLE THROUGHOUT ENTIRE LIFT RANGE SUCH THAT IT CAN BE LOCATED IN ITS FINAL POSITION.
4. AS A GUIDE, ALLOWABLE SIDE LOAD ON LIFTED LOAD SHALL NOT EXCEED 1 PERCENT OF CAPACITY OF CRANE CORRESPONDING TO LOAD-RADIUS CONFIGURATION.

## C. WIND LIMITS DURING NON-OPERATION

1. WINDS UP TO 50 MPH (22 m/s) FOR BOOM AND LUFFING JIB LENGTHS UP TO 300' (91.4m), 40 MPH (18 m/s) FOR BOOM AND LUFFING JIB LENGTHS FROM 310' (94.5m) TO 390' (118.9m), AND 30 MPH (13 m/s) FOR BOOM AND LUFFING JIB LENGTHS 400' (121.9m) AND ABOVE.
  - a. BOOM AND LUFFING JIB CAN REMAIN ERECTED AND IN OPERATING POSITION.
  - b. POSITION BOOM AT 75 DEGREE BOOM ANGLE (PLUS OR MINUS 1 DEGREE) AND LUFFING JIB AT 45 DEGREES ABOVE HORIZONTAL. LOAD BLOCK MUST BE TIED OFF TO MACHINE ROTATING BED.
  - c. SWING LOCK AND SWING BRAKE MUST BE ENGAGED (SEE OPERATOR'S MANUAL).
2. WINDS ANTICIPATED ABOVE THOSE LISTED IN SECTION C. 1.
  - a. LOWER BOOM AND LUFFING JIB TO GROUND AND SECURE.
  - b. SWING LOCK AND SWING BRAKE MUST BE ENGAGED (SEE OPERATOR'S MANUAL).
  - c. MAST MUST BE GUYED WITH TWO (2) LINES TIED OFF FROM EACH SIDE OF MAST POINT TO SUITABLE ANCHOR POINTS AT GROUND LEVEL AT AN ANGLE OF 60 DEGREES FROM HORIZONTAL. TWO (2) ANCHOR POINTS SHOULD BE IN PLANE OF MAST.
  - d. BOOM HOIST RIGGING SHOULD BE TIGHT WITH BOOM AND LUFFING JIB RESTING ON GROUND.
3. WINDS ANTICIPATED ABOVE 75 MPH (34 m/s).
  - a. MAST MUST BE LOWERED TO GROUND AND SECURED.