



**CORRESPONDENCE** from the **PRODUCT SUPPORT GROUP**  
Quality Begins With ME

**TO:** TECH SUPPORT  
**FROM:** Bill Pease  
Technical Support Manager  
**DATE:** 12/21/2011  
**SUBJECT:** Operation of ALTEC AERIALS, CRANES and DERRICKS in windy conditions.

It has been confirmed that the contents in the letter, by Dave Masters, Chief Engineer, Product Engineering dated 29<sup>th</sup> of July, 1993 is current and applicable to all Altec Aerial units. Following is the contents of that letter.

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Based on conversations with engineering here and at Creedmoor, ....we can allow the following wind loads on all ALTEC units at full rated capacity.  
Up to and including **30 MPH** with the following conditions:

1. Outriggers, if so equipped, must be extended and on firm ground.
2. On units without outriggers the tires must be properly inflated and on firm ground.
3. The unit must be level fore and aft and side to side.
4. The unit must be operated on the up-wind side, bucket(s) into the wind.
5. No other loads or shock loads may be imposed on the unit.

These guidelines are applicable assuming the chassis and aerial device met the original stability requirements as outlined in ANSI A92.2 1990. They relate to stability only and do not account for the platform sway under gusting conditions which could present a hazard working in or around energized conductors. Proper clearances would have to be considered and provided for to assure safe operations under these conditions.

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ALTEC Cranes models AC18, AC26, AC35 and AC38 are subject to the wind speed limitations listed on the DANGER portion of the unit capacity placard. An example is shown below. ALTEC DIGGER DERRICKS may use the CRANE limitations as well per conversation with Senior Derrick engineer on Dec 21, 2011.

- maintaining the stress factors must be taken into account by the operator.
12. The maximum in service wind speed is 20 mph. It is recommended when wind velocity is between 20 mph and 30 mph rated loads and boom lengths shall be appropriately reduced and/or other measures shall be taken to ensure stability and load control. When wind speed exceeds 30 mph main boom should be retracted and stowed.