



WIND AFFECT ON CRANE CAPACITY

WIND FORCE		WIND VELOCITY Miles per Hour (kilometers per hour)	VISIBLE INDICATORS Effects of wind as observed on land
Beauford Scale	Designation		
0	Calm	<1 (<2)	No wind: smoke rises vertically
1	Light Air	1-3 (2-5)	Wind direction seen by smoke but not wind vanes
2	Light Breeze	4-7 (6-11)	Wind felt on face: leaves rustle: wind vane moves slightly
3	Gentle Breeze	8-12 (13-19)	Leaves/small twigs in constant motion: wind extends flag
4	Moderate Breeze	13-18 (21-29)	Raises dust and loose paper: moves small branches
Reduce crane load ratings and operating parameters @ 20 mph (32km/hr)			
5	Fresh Breeze	19-24 (31-39)	Small trees in leaf begin to sway: on ponds, crested wavelets form
6	Strong Breeze	25-31 (40-50)	Large branches in motion: telegraph wires whistle: umbrellas used with difficulty
Cease all craning operations @ 30 mph (48 km/hr); lower & retract boom			
7	Moderate Gale	32-38 (52-61)	Whole trees in motion: walking against wind inconvenient