

## French Wind Standard.

Table 2

for the part of the apparatus above the ground (m)	maximum in-service wind (apparatus in operation)			out-of-service wind (apparatus without load and immobilized)		
	dynamic pressure (daN/m <sup>2</sup> )	corresponding speed		dynamic pressure (daN/m <sup>2</sup> )	corresponding speed	
		(m/s)	(km/h)		(m/s)	(km/h)
0 to 20	25	20	72	80	36	130
20 to 100	25	20	72	110	42	150
over 100	25	20	72	130	46	165

equiv. to 1.1 kPa

If the area of the load exposed to the wind, in the most unfavourable case, is not perfectly defined, the wind action on this load shall be taken as a value equal to 3% of the load, but not less than 50 daN.

## 2.2.2.2

### Calculation of wind action

The action of the wind depends on the general configuration of the machine and is composed of overpressures and negative pressures exerted on the different surfaces.

## 2.2.2.2.1

#### Wind action on a surface

The drag is the projection of the wind action resultant on the wind direction, and is expressed by the formula:

$$T = C \cdot A \cdot q$$

where:

A is the net area, i.e. the area, expressed in square metres (m<sup>2</sup>) of the projection on a plane perpendicular to the wind direction, of the apparent contour of the