

Severity Chart for Small Machinery

GROUP K – Small Machinery up to 15KW (for example, production motors)

Testing Status	Vibration Severity (mm/s)
Good	0 to 0.71
Acceptable	0.72 to 1.80
Permissible	1.81 to 4.5
Dangerous	> 4.5

GROUP M – Medium-sized Machinery up to 75KW (for example, electrical motors without special foundations)

Testing Status	Vibration Severity (mm/s)
Good	0.00 to 1.12
Acceptable	1.13 to 2.80
Permissible	2.81 to 7.10
Dangerous	> 7.10

GROUP G – Large Machinery on Heavy Foundations

Testing Status	Vibration Severity (mm/s)
Good	0.00 to 1.80
Acceptable	1.81 to 4.50
Permissible	4.51 to 11.20
Dangerous	> 11.20

GROUP T – Large Turbo Machinery on Special Foundations

Testing Status	Vibration Severity (mm/s)
Good	0 to 2.80
Acceptable	2.81 to 7.10
Permissible	7.11 to 18.00
Dangerous	> 18.00