



טבלת תחומי רעידות

הערה:

הטבלה הינה כללית ויש לבדוק בנתוני יצרן המנוע את תחומי הרעידה הרצויים.

ISO 2372-Vibration Severity

Vibration Severity Range Limits (Velocity) From ISO 2372		Vibration Severity Ranges for Machines Belonging to:			
In/Sec (PK)	MM/Sec (RMS)	Class I < 20 HP	Class II 20-100 HP	Class III >100 HP	Class IV >100 HP
0.015	0.28	A	A	A	A (Good)
0.025	0.45				
0.039	0.71	B	B	B	
0.062	1.12				
0.099	1.80	C	C	C	B (Allowable)
0.154	2.80				
0.248	4.50	D	D	D	C (Tolerable)
0.392	7.10				
0.617	11.2				
0.993	18.0				
1.540	28.0	D	D	D	D (Not Permissible)
2.480	45.0				
3.940	71.0				

A: Good
B: Allowable
C: Tolerable
D: Not Permissible

Suggested Classifications:

Class I: Small (up to 15kW) machines and subassemblies of larger machines.

Class II: Medium size (15kW to 75kW) machines without special foundations, or machines up to 300kW rigidly mounted on special foundations.

Class III: Large rotating machines rigidly mounted on foundations which are stiff in the direction of vibration measurement.

Class IV: Large rotating machines mounted on foundations which are flexible in the direction of vibration measurement.