

Characteristics to be measured and tolerances according to ISO 13350

Performance characteristics¹: Thrust, input power, sound level, vibration velocity, flowrate

Tolerances Fan²:

Measured parameter	Measurement uncertainty	Manufacturing variation
Thrust	± 5%	± 1%
Input power	± 2%	± 3%
Sound level	— ³	— ³

Acceptance vibration velocity:

Mounting method	Maximum acceptance vibration velocity mm/s r.m.s.
Vibration isolated fans	4.5
Hard-mounted fans	2.8



Note 1: The test procedures described in this International Standard relate to laboratory conditions. The measurement of performance under on-site conditions is not included.

Note 2: Addition of all uncertainties described in the standard may give rise to a total tolerance on the absorbed power of more than the 5% stated. In individual cases any uncertainties and tolerances might be significantly higher than stated above.

Note 3: Uncertainty of measurement of broadband sound levels is given in ISO 13348. To allow for manufacturing deviations, a further 3 dB is added and for measurement tolerance add 3dB.