

# Sensor limits

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## Annex to the fan operating and maintenance instructions

The following limit values applies, when limit values are not otherwise defined separately and fan-specifically.

### 1. FAN

#### - FLEXIBLE PLATFORM (equipped with vibration dampers):

*Vibration guard, coupling operated:*

- Alarm limit 4,5 mm/s (RMS, 10-1000 Hz)
- Trigger limit 7,1 mm/s (RMS, 10-1000 Hz)
- Delay 10 seconds

*Vibration guard, impeller mounted on the motor shaft:*

- Alarm limit 4,5 mm/s (RMS, 10-1000 Hz)
- Trigger limit 7,1 mm/s (RMS, 10-1000 Hz)
- Delay 10 seconds

*Vibration guard, belt driven:*

- Alarm limit 7,1 mm/s (RMS, 10-1000 Hz)
- Trigger limit 11 mm/s (RMS, 10-1000 Hz)
- Delay 10 seconds

*Temperature guard (fan axis, measured from bearing housing):*

- Alarm limit 65 °C
- Trigger limit 100 °C
- Delay 10 seconds

**- STIFF PLATFORM** (installed on concrete platform):

*Vibration guard, coupling operated:*

- Alarm limit 2,8 mm/s (RMS, 2-1000 Hz)
- Trigger limit 4,5 mm/s (RMS, 2-1000 Hz)
- Delay 10 seconds

*Vibration guard, impeller mounted on the motor shaft:*

- Alarm limit 2,8 mm/s (RMS, 2-1000 Hz)
- Trigger limit 4,5 mm/s (RMS, 2-1000 Hz)
- Delay 10 seconds

*Vibration guard, belt driven:*

- Alarm limit 2,8 mm/s (RMS, 2-1000 Hz)
- Trigger limit 4,5 mm/s (RMS, 2-1000 Hz)
- Delay 10 seconds

*Temperature guard (fan axis, measured from bearing housing):*

- Alarm limit 65 °C
- Trigger limit 100 °C
- Delay 10 seconds

**2. ELECTRIC MOTOR**

*Temperature guard, motor coils:*

- Alarm limit 130 °C
- Trigger limit 150 °C

*Temperature guard, motor bearings:*

- Alarm limit 90 °C
- Trigger limit 110 °C