

Axial fans

Noise data

Acoustic measurements made at a distance of 1.0 metre from the surface of the fan (inner side) and 45° radially off the fan axis.

Air flow performance data

The performance data were determined in accordance with AMCA standard 210-74 on a double chamber test set up with measurement on the suction side.

Overload

All Crouzet fans have integrated protection against locked rotor condition to avoid damage to windings and electronic components. Restarting is automatic as soon as any constraints on running have been removed.

Bearing systems

All Crouzet fans have specially designed and precision lubricated sleeve bearings for long, maintenance-free performance at low noise level. Ball bearing on request.

User precautions: When a fan is used in a horizontal orientation (shaft vertical), it is imperative to use a version fitted with ball bearings.

Safety

All fans are designed and manufactured in conformance with the requirements of UL, CSA and VDE.

Life

→ AC fans Bearings sleeve

☑ 120 x 38 mm	100 000 hours at 25 °C 25 000 hours at 55 °C 10 000 hours at 70 °C
☑ 92 x 25 mm 80 x 38 mm 80 x 25 mm	80 000 hours at 25 °C 20 000 hours at 55 °C 10 000 hours at 70 °C

→ AC fans Ball bearings

☑ 120 x 38 mm	100 000 hours at 25 °C 25 000 hours at 55 °C 10 000 hours at 70 °C
☑ 92 x 25 mm 80 x 38 mm 80 x 25 mm	80 000 hours at 25 °C 25 000 hours at 55 °C 10 000 hours at 80 °C

→ DC fans Bearings sleeve

☑ 120 x 38 mm	100 000 hours at 25 °C
92 x 25 mm	80 000 hours at 25 °C
80 x 25 mm	80 000 hours at 25 °C
☑ 60 x 25 mm	65 000 hours at 25 °C 30 000 hours at 55 °C 20 000 hours at 65 °C

Flow conversion table

	CFM	m ³ /h	m ³ /min	l/min	l/s
1 CFM	1	1.7	0.028	28.3	0.47
1 m ³ /h	0.588	1	0.017	16.67	0.28
1 m ³ /min	35.28	60	1	1000	16.67
1 l/min	0.035	0.06	0.001	1	0.017
1 l/s	2.12	3.6	0.06	60	1

The KDE range Self-commutated DC fans

The range of DC fans have the advantage of a new, patented design referred to as «single winding».

This new range, the KDE range, forms a useful replacement for the MD range and provides the following improvements:

- higher air flow thanks to smaller motor diameter,
- quieter (gain of at least 2 dB),
- longer life,
- greater dielectric strength.

The new range offers upward compatibility (1) with the MD range (see table below) and allows us to offer fans even more compact than the 0 x 0, 0 x 0, 0 x 0, and 0 x 0 models.

(1) Current consumption should be checked however, as it may be higher in some cases.

Old part no	New part no	Old part no	New part no
☑ 60		☑ 120	
99 486 177	99 484 401	99 487 477	99 484 001
99 486 179	99 484 403	99 487 478	99 484 003
99 486 179	99 484 404	99 487 479	99 484 004
☑ 80		99 487 487	99 484 005
99 486 277	99 484 301	99 487 488	99 484 007
99 486 279	99 484 303	99 487 489	99 484 008
99 486 287	99 484 304	99 487 377	99 484 101
99 489 287	99 484 354	99 487 378	99 484 102
99 486 289	99 484 306	99 487 379	99 484 103
☑ 92		99 487 387	99 484 104
99 486 377	99 484 201	99 487 388	99 484 105
99 489 377	99 484 251	99 487 389	99 484 106
99 486 379	99 484 203		
99 486 387	99 484 204		
99 486 389	99 484 206		