

# V - TECHNOLOGIES

## BEARING SYSTEMS

The fan rotors are equipped with two sleeve bearings or 2 sealed ball bearings lubricated for life, according to the required life expectancy, noise level and environmental conditions.

They can also be equipped with mixed bearings. Shielded, stainless steel bearings, very high temperature grease are available for extended temperature range.

## DESIGN CODE

Our fans can be made in accordance with four internal manufacturing codes which are identified as follows:

- a) according to the maximum air temperature at the inlet of the fan
- b) according to the climatic environment (humidity, tropical surroundings, etc.)

The manufacturing methods are coded as follows:

**CODE 11** - Suitable for fans to operate in an atmosphere without special humidity conditions.

**CODE 13** - Suitable for fans to operate in an atmosphere between - 10°C and + 70°C in humid

tropical environment. In particular, protection against humidity complies with norm NFC20703 (test 3B 21 days) # MIL STD 202\* methode 103B.

**CODE 14** - The reference is followed by 3 digits. They are allocated to each individual case. This requirement is always produced to customers' specification. It is suitable for fans to operate in temperatures lower than - 10°C and higher than + 70°C or in special environmental conditions.

**CODE 17** - This manufacturing method could apply to marine specifications.

- Salt spray protection (non operating) E 507 specification issued by RCPM. Paragraph 3-21. Severity 6.
- Dry heat (non operating) E 507 specification issued by RCPM-Paragraph 3-21. Severity 5.
- Damp heat (operating) NFC 20703 specification (severity 5 Ref.3B) # MIL STD 202\* methode 103B.
- Shocks (operating) NFC 20727 specification (test 8B. Severity 30 A / 30 g - 11 ms) # MIL STD 202\* methode 213B.
- Vibrations (operating) E508 specification issued by RCPM. Paragraph 2-32 (23 Hz; +- 1 mm, 1 hour)

This manufacturing method applies to most of ball-bearing fan versions.