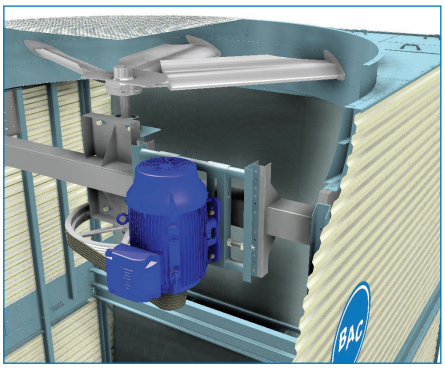
Cooling tower fan motors

Guaranteed year-round reliable operation

Don't risk a 7 times higher premature failure rate for your fan motor. Contact BAC!

BAC offers **the right motor execution** for your application so you benefit from maximum lifetime. Motors that operate inside cooling towers are exposed to **tough conditions**. They have to operate in a moist and hot environment.
BAC uses specially engineered and tested motors to meet the rigorous BAC standards and to guarantee a year-round reliable operation. All our motors have **unique specifications** thanks to joint development with our motor suppliers.

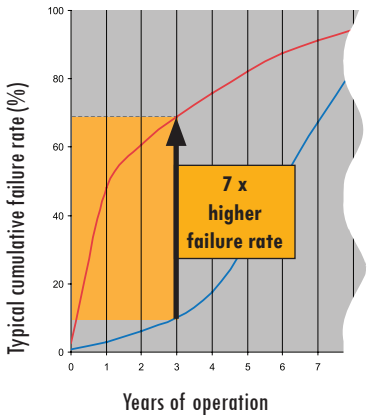


Typical installation of BAC Impervix fan motor inside cooling tower

BAC motor specification - such as S15 or S30 - will vary in function of:

- ✓ **unit configuration**: crossflow, counterflow
- ✓ **location**: moist and hot air
- ✓ **mounting**: horizontal, vertical (with shaft facing upwards or downwards)

Typical cumulative failure rate* vs years of operation



The **failure rate of third party motors** during the first 3 years in operation is **7 times higher than that of BAC motors**

BAC motor
third party motor

BAC approved • BAC approved • BAC approved • BAC approved • BAC approved • BAC approved •
YEAR-ROUND RELIABLE OPERATION

A BAC Impervix cooling tower fan motor

- ✓ prevents premature motor failure
- ✓ decreases downtime
- ✓ maximizes lifetime

Other supply companies might offer replacement motors that will initially function in a cooling tower, but these motors won't last long.
BAC sets the standard with the latest generation Impervix cooling tower fan motors.
These motors are perfect for operating inside the harsh cooling tower environment, in direct contact with saturated moist air.

* based on BAC service statistics

Why do BAC Impervix cooling tower fan motors last longer?

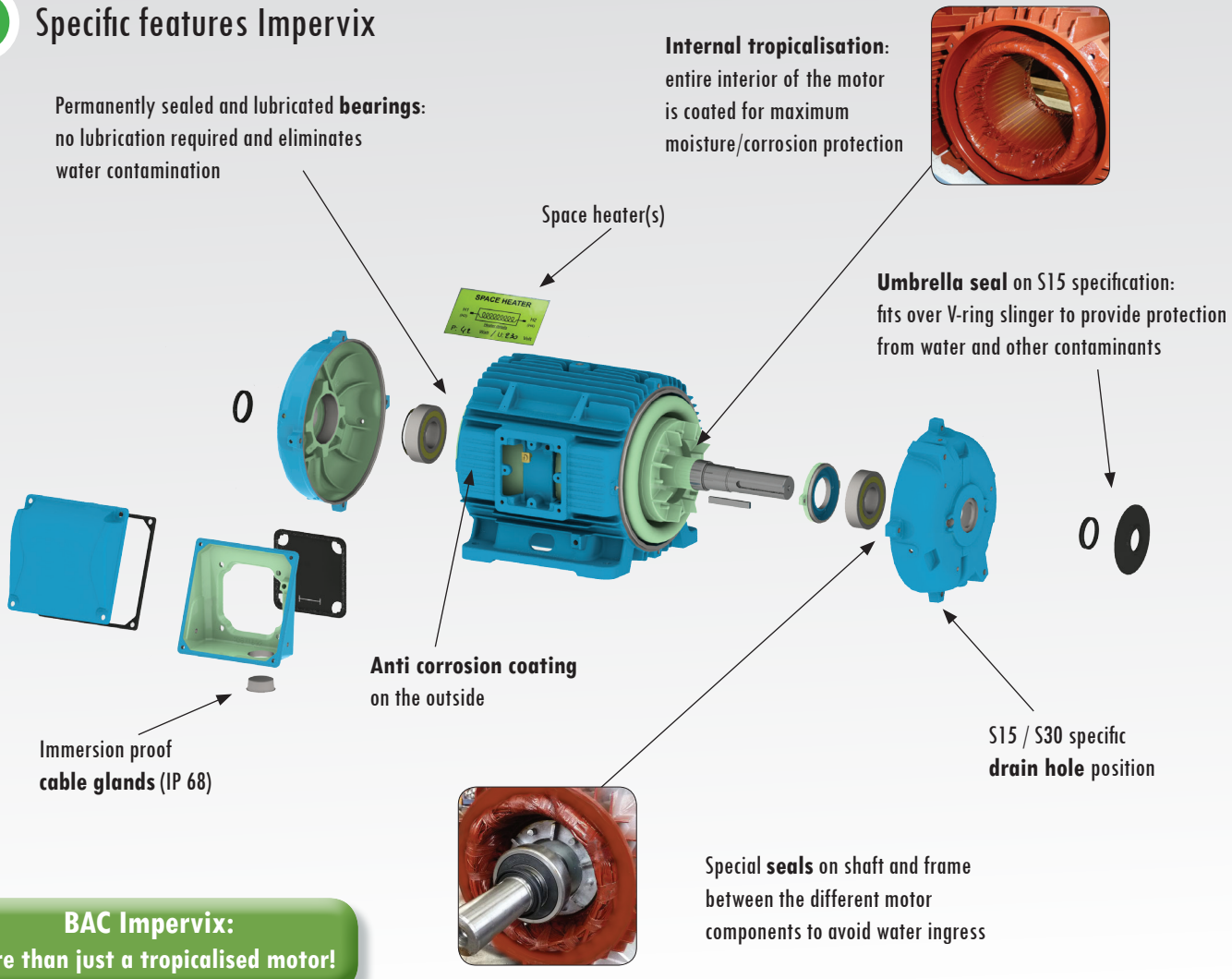
Because they integrate a combination of standard and specific features, as listed below.

All common single speed motors are available from stock.

Standard features

- ✓ Terminal box and cable gland position lay-out depends on the motor position of the unit. This ensures best access for wiring, sufficient travel for belt tension and protection against water ingress.
- ✓ TEFC Totally Enclosed Fan Cooled
- ✓ IE2 energy efficient / IE3 optional
- ✓ IP 55 rating / Insulation Class F
- ✓ C3 tolerance bearing

Specific features Impervix



BAC Impervix: more than just a tropicalised motor!

CAUTION! Using a third party motor results in premature MOTOR FAILURE!
Such a motor will last only a few months, while a BAC Impervix cooling tower fan motor will just keep on going!

BALTIMORE AIRCOIL COMPANY

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