

Explanation of ATEX Certification for Rd130C & CM/330/C

ATEX Directive 94/9/EC is a legal requirement in all European Union Member States.

ATEX is from French **AT**mospheres **EX**plosibles.

ATEX approval is for equipment only, and not the application. The application or environment is subject to assessment and classification by organisations outside of OSL, and Rotabroach, and under no circumstances must any employee, or representative of either company engage in any conversation about the suitability of the RD130C or CM/330/C for operation in any application, situation, or location.

Both machines have been assessed and approved with the standard Atlas Copco motor containing aluminium, so does not conform to British Coal Class 1 approval and is not suitable for underground use.

Substituting the standard (aluminium) motor for the special (brass) motor will not enhance the ATEX classification.

Equipment intended for all applications, excluding mining, is classified into 3 categories.

Category 1 for equipment with a very high level of safety.

Category 2 for equipment with a high level of safety.

Category 3 for equipment with a normal level of safety.

Both machines satisfy category 2 requirements.

Gas application environments is classified into 3 zones.

Zone 0 where an explosive atmosphere (air and gas/vapour/mist) is present continuously or for long periods.

Zone 1 where an explosive atmosphere (air and gas/vapour/mist) is likely to occur in normal operation occasionally.

Zone 2 where an explosive atmosphere (air and gas/vapour/mist) is not likely occur in normal operation, but if it does, it's for short periods only.

Both machines satisfy Zone 1 requirements.

Therefore both machines will be classified as Zone 1 cat 2 G (gas), and will be marked accordingly. Obviously both machines can be used in Zone 2.

The Atlas Copco motor is not approved for explosive atmospheres due to dust.