

PYROBAN PROTECTION SYSTEM
CATERPILLAR 3406
STANDARD KIT

PYROBAN®

PRODUCT DATA SHEET: PDS 7126 ISSUE 2

DESCRIPTION

The Pyroban Protection System Caterpillar 3406 Standard Kit, when fitted to the appropriate engine, is suitable for use in hazardous areas where explosive gases occur (ATEX directive 2014/34/EU).

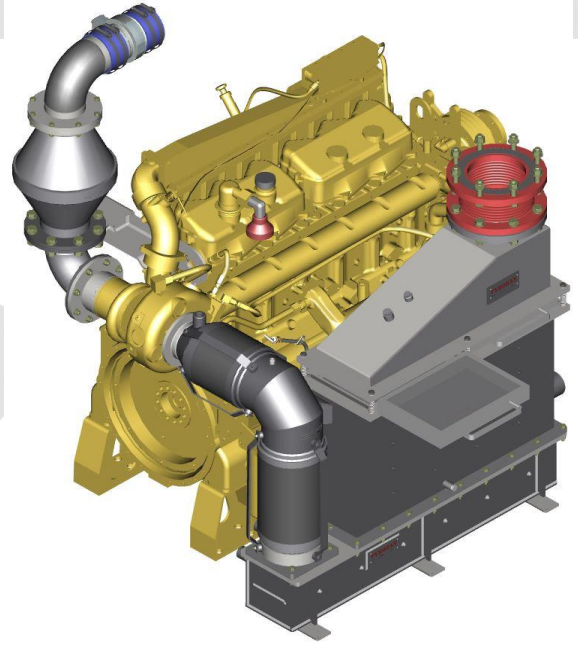
When properly installed, the kit provides protection to:

- Equipment Group: II
- Category: 3G
- Gas Group: IIA
- Temperature Class: T3

Conformance to the Temperature Class is dependent on ambient operating temperatures so the installed kit must be tested in a safe operating zone before use in a hazardous area.

For ambient operating temperatures above 45°C consult your customer services representative.

THIS EQUIPMENT MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PYROBAN OFFSHORE INSTALLATION MANUAL. FAILURE TO OBSERVE ANY INSTRUCTIONS IN THIS DATA SHEET MAY INVALIDATE ANY WARRANTY AGREEMENT.



TECHNICAL DATA

The Pyroban Protection System Caterpillar 3406 Standard Kit comprises inlet and exhaust protection and is compatible with the following engine types:

Engine Make	Caterpillar
Engine Model	3406C
Engine Performance	490 bhp @ 2100 rpm
Engine Feature Codes	406DP01, 406DP02, 406DP03, 406DP04, 406DP05

Pyroban Protection System Caterpillar 3406 Standard Kit technical details:

Heat Rejection to Coolant	220 kW
Coolant Volume of Pyroban Parts	65 ltrs
Inlet System Pressure Drop	0.97 kPa
Exhaust System Pressure Drop	5.65 kPa
Maximum Ambient Operating Temperature	45°C
Spark Arrestor Noise Attenuation	18 dB(A)
Approximate Mass of Pyroban System (Dry)	904 kg
Approximate Mass of Pyroban System (Wet)	969 kg

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Details of Variations:

MECCAT3406DITA:490:21:SM:STD	Standard kit without spark arrester
MECCAT3406DITA:490:21:SM:STD:1	Standard kit with spark arrester having inline inlet and exit.
MECCAT3406DITA:490:21:SM:STD:2	Standard kit with spark arrester having right-hand side inlet (when viewed from inlet end) and inline exit.
MECCAT3406DITA:490:21:SM:STD:3	Standard kit with spark arrester having left-hand side inlet (when viewed from inlet end) and inline exit.
MECCAT3406DITA:490:21:SM:STD:4	Standard kit with spark arrester having lower side inlet (when viewed from inlet end) and inline exit.

ORDERING SPARES

Use only genuine Pyroban parts. Order spares or replacement parts directly from Pyroban quoting the Pyroban Part Number. Note that fitting of incorrect parts may invalidate certification.

DECLARATION OF CONFORMITY

We, Pyroban Limited, Dolphin Road, Shoreham-by Sea, Sussex, BN43 6QG, UK, declare that the components mentioned in this datasheet if suitably installed and tested can be used to meet the essential health and safety requirements of Directive 2014/34/EU (ATEX). Compliance with these Directives is established by meeting the technical requirements of the relevant harmonised standards.

Dario Bussandri
NPI and Engineering Manager

OTHER INFORMATION

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Pyroban's standard terms and conditions of sale for such products, which are available upon request. Specifications and machinery may be altered without notice at any time.

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