

FLAMEPROOF STARTER MOTOR C0190

PYROBAN®

PRODUCT DATA SHEET: PDS7072 ISSUE 4

This starter motor is intended for installation on diesel engines up to 6 litres when used in hazardous areas.

The robust casing is constructed in anodised aluminium alloy.

The unit has double poled electric connections insulated from chassis and is fitted with an internal thermal switch to prevent the outer casing reaching its temperature class

TECHNICAL DATA

PYROBAN	
Type:	CE ₀₅₁₈
Part No:	
Serial Number:	
V:..... A:..... Rating:.....	
⊕ Use cable suitable for°C ⊕	
⊕ II 2 G EEx d IIB T....	
Cert. Number:	
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT	
Pyroban Ltd, Shoreham-by-Sea, BN43 6QG, UK Telephone (01273) 466200	

Type of Protection:

Flameproof Enclosure

Ingress Protection:

IP54

Weight:

12kg

Part Numbers:

802792/1 12V/2.7kW Toyota Applications

802792/1 12V/2.7kW Hyster H7.00

802792/3 12V/2.7kW Hyster Applications

802792/4 24V/4.5kW

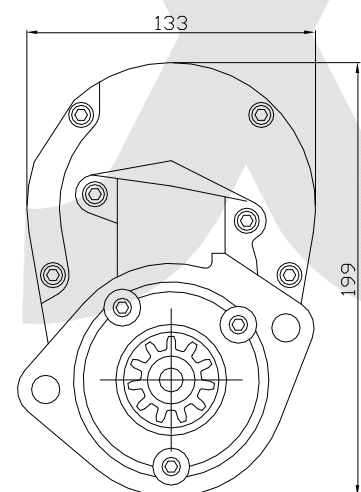
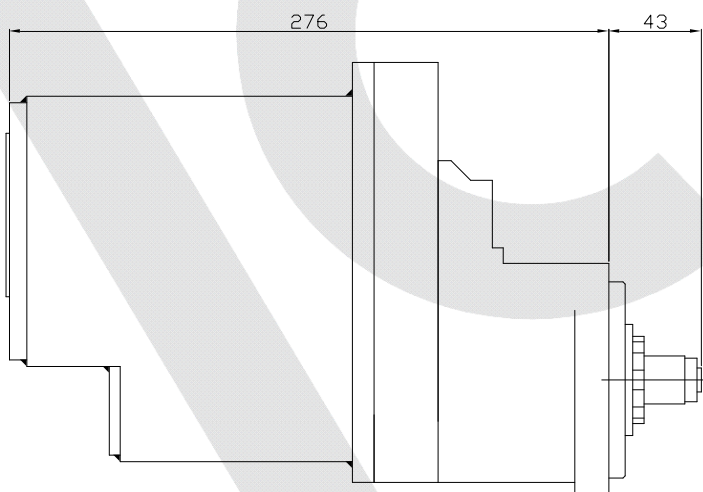
802792/5 12V/2.7kW CAT 3044C

802792/6 12V/2.7kW Hyster Applications

802792/7 12V/2.7kW Hyster - Cummins



DIMENSIONS



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INSTALLATION

Fix the starter unit onto the bell housing using two M10 screws or studs via the holes provided in the mounting flange.

The enclosure should be earthed to the vehicle chassis. Check for continuity after mounting.

The unit is supplied with 35mm² power cables and a 2-core control cable which should be trimmed to the required length. The length of the power lead between the starter and the battery has a large effect on the starter output power and should be minimised.

Power to the starter should be provided by a suitably protected battery with a minimum rating of 90Ah.

For wiring refer to the electrical diagram. The multicore cable should have the blue cable connected to ignition. The brown core is for test purposes only and is connected to the positive terminal inside the starter unit. The end of this line should be suitably isolated.

Once the unit has been mounted, it is essential that the cable is fixed locally to the vehicle chassis to prevent pulling or twisting of the cable by using a suitable cleat or clamp.

INSPECTION AND DESCRIPTION

This should be carried out in a safe area. The starter contains no user serviceable parts.

Every 3 months or 500 hours operation whichever sooner:

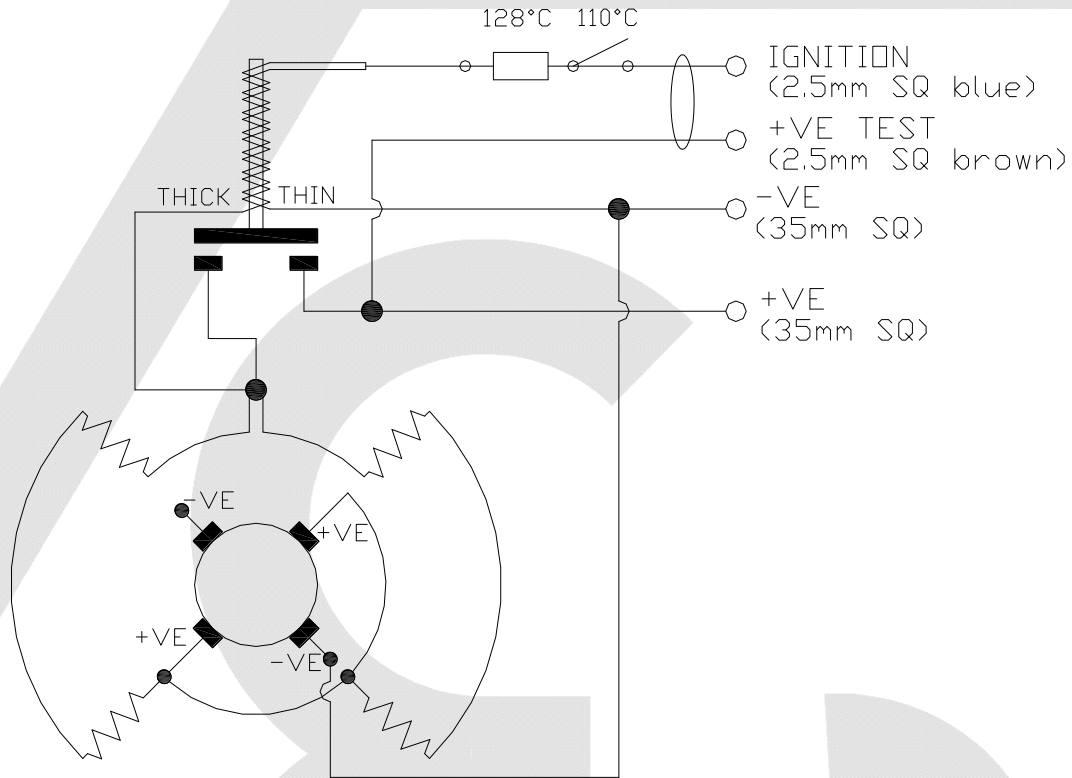
- Check that the supply cables are in good condition and fixed in their original position.
- Check that the cable glands are tight.
- Check that the mounting fixings are tight.
- Inspect the unit for mechanical damage, contact Pyroban Customer services for advice on repair or replacement.

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WIRING DIAGRAM



SCHEDULE OF LIMITATIONS

The unit is protected by a thermal switch rated at $99^{\circ}\text{C} \pm 5^{\circ}\text{C}$ fitted internally on the motor casing. When activated, the solenoid is de-energised and power to the DC motor is cut. This prevents the equipment exceeding its surface temperature. This circuit must not be modified. The free ends of the power and signal leads must be terminated in a suitable flameproof or increased safety enclosure.

Should any of the enclosure fixings need replacing, direct equivalents of minimum grade 8.8 must be used

REMOVAL FROM SERVICE AND DISPOSAL

Separate all metal and electronic parts and recycle

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ORDERING SPARE PARTS

Use only genuine Pyroban parts. Order spares or replacement parts directly from Pyroban quoting the Pyroban Part Number.

Fitting of incorrect parts may invalidate certification.

CONFORMITY OF CONFORMITY

We, Pyroban Limited, Dolphin Road, Shoreham-by Sea, Sussex, BN43 6QG, UK, declare that the component mentioned in this data sheet has been designed and manufactured in accordance with the essential health and safety requirements of Directive 2014/34/EU (ATEX) inclusive of subsequent amendments. Compliance with these Directives is established by meeting the technical requirements of the relevant CEN and CENELEC standards.

Dave Waring
Engineering & QHSE 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.

CONTACTS

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