





# **CEC** (Cord Exhaust Catalyst)

(Flange End or Slot End)

| Model  | Α         | С   | ØD  |
|--------|-----------|-----|-----|
| CEC 4  | To Advise | 240 | 80  |
| CEC 5  | To Advise | 300 | 100 |
| CEC 6  | To Advise | 350 | 125 |
| CEC 7  | To Advise | 360 | 150 |
| CEC 8  | To Advise | 390 | 175 |
| CEC 9  | To Advise | 460 | 195 |
| CEC 10 | To Advise | 540 | 215 |
| CEC 11 | To Advise | 540 | 235 |

#### \*Other sizes available upon request



### CONSTRUCTION:

The purifier housing is constructed from heavy gauge, high T304 stainless steel for corrosion resistance and long life. The catalyst substrate is also constructed from stainless steel and formed into a honeycomb like structure. The robust construction of the housing and catalyst substrate protects the unit against vibration, thermal stress and shock impacts which are associated with urban transport equipment.

#### PERFORMANCE FOR CATALYTIC CONVERTER:

This is a single-layered Purifier and can achieve maximum oxidation of black smoke under optimum temperature, as specified in the Productivity Standard Board (Singapore) Test Report Ref. No.: 2599209 dated September 1999, basing on British Standards 3405 (1983) and TÜV SÜD PSB Test Report Ref. No.: 7191145306-CHM16-YL dated September 2016.

#### PERFORMANCE (BASED ON FULL LOAD):

| Carbon Monoxide          | *reduced by up to 90%    |
|--------------------------|--------------------------|
| Hydrocarbons             | *reduced by up to 90%    |
| Particulates             | *reduced by up to 25-30% |
| Soluble Organic Fraction | *reduced by up to 85%    |
|                          |                          |

\* Under optimal thermal and operating conditions.

#### **CHEMICAL REACTION:**

| CO + ½ O <sub>2</sub>      | $\rightarrow CO_2$ |                    |
|----------------------------|--------------------|--------------------|
| HC + ½ O <sub>2</sub>      | $\rightarrow CO_2$ | + H <sub>2</sub> O |
| PAH + O <sub>2</sub>       | $\rightarrow CO_2$ | + H <sub>2</sub> O |
| Aldehydes + O <sub>2</sub> | $\rightarrow CO_2$ | + H <sub>2</sub> O |

A coated catalyst block is expected to perform for 5 years or more. It is self-regenerating or cleaning when the engine is operating at an exhaust gas temperature of 360°C and above for a few hours continuously.

## CORD EXHAUST ENGINEERING PTE LTD