



**SPECIFICATIONS PAPER FOR ANTIDFLAGRATING EEX GEARBOXES ATEX 94/9/CE .**

TAB.1 Gearbox

| TYPE  | SIZE  | RATIO |
|-------|-------|-------|
| ----- | ----- | ----- |

TAB. 2-a - Electric Motor

| POWER (kW) : | POLE NR.  | FREQUENCY (Hz)  |
|--------------|---|---|
| -----        | <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 | <input type="checkbox"/> 50 Hz. <input type="checkbox"/> 60 Hz. |

TAB. 2-b Input shaft ECE

| POWER (kW) : | INPUT SPEED (rpm) |
|--------------|-------------------|
| -----        | -----             |

TAB.3 - Environment classification

| GROUP                   | 2 (II)  |   |
|-------------------------|---|---|
|                         | 2   | 3   |
| <b>CATEGORY EN50014</b> | <input type="checkbox"/> G = GAS<br><input type="checkbox"/> D = DUST | <input type="checkbox"/> G = GAS<br><input type="checkbox"/> D = DUST |
| <b>EN60079-10 GAS</b>   | <input type="checkbox"/> Z1 = GAS                                     | <input type="checkbox"/> Z2 = GAS                                     |
| <b>EN50281-1 DUST</b>   | <input type="checkbox"/> Z21 = DUST                                   | <input type="checkbox"/> Z22 = DUST                                   |

TAB. 4 - Highest surface temperature admitted by gearbox

| HIGHEST SURFACE TEMPERATURE OF THE GEARBOX (°C) |   | (*) Class of temperature | Highest surface temperature (°C) |
|---|---|--------------------------|----------------------------------|
| GAS   | CLASS OF TEMPERATURE (*)<br><input type="checkbox"/> T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> T4 <input type="checkbox"/> T5 | T1                       | 450                              |
|   | HIGHEST SURFACE TEMPERATURE<br>_____  | T2                       | 300                              |
| DUST  | HIGHEST SURFACE TEMPERATURE<br>_____  | T3                       | 200                              |
|   |   | T4                       | 135                              |
|   |   | T5                       | 100                              |

|  |  |
|--|--|
|  | <p><b>In case of T5 class of temperature (group IIG) or of highest surface temperature at 120 °C (IID, IIG groups), the maximum power applicable to the reducer should be checked, referring to NORM_0198 internal provision.</b></p> <p><b><u>In all other cases we referring to the thermal power on the catalogue, with service factor 1 e relating considerations.</u></b></p> |
|--|--|

Data: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

Signature: \_\_\_\_\_



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