



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

TAB.1 Gearbox

TYPE	SIZE	RATIO
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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)
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TAB.3 - Environment classification

GROUP	2 (II)	
	2	3
CATEGORY EN50014	<input type="checkbox"/> G = GAS <input type="checkbox"/> D = DUST	<input type="checkbox"/> G = GAS <input type="checkbox"/> D = DUST
EN60079-10 GAS	<input type="checkbox"/> Z1 = GAS	<input type="checkbox"/> Z2 = GAS
EN50281-1 DUST	<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 (*) <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 _____	T2	300
DUST	HIGHEST SURFACE TEMPERATURE _____	T3	200
		T4	135
		T5	100

	<p>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.</p> <p><u>In all other cases we referring to the thermal power on the catalogue, with service factor 1 e relating considerations.</u></p>
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Data: ____ / ____ / _____

Signature: _____

G.S.M. S.p.A.

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