



## 1.0 Module reference

<b>Form's number:</b>	Click here to enter text
<b>Date:</b>	Click here to enter text
<b>Type of machine:</b>	Click here to enter text
<b>Max Temperature environment:</b>	Click here to enter text

## 2.0 Gear's family identification

<b>Family</b>	<b>INDUSTRIAL – RX 800</b>				
	<input type="radio"/> RX-P-800-G				
	<input type="radio"/> RX-P-800-E				
	<input checked="" type="radio"/> RX-P-800-EST				
	<input type="radio"/> RX-O-V-800-G				
	<input type="radio"/> RX-O-V-800-EST				
	<input type="radio"/> RX-O-V-800-O				
	<input type="radio"/> RX-O-800-TR				
<b>Size</b>	<input type="text"/>				
<b>Ratio</b>	<input type="text"/>				
<b>Products or versions not certified ATEX</b>	- Versions with compact motor: Can not be certified ATEX				

## 3.0 Engine applied

	Potenza - [Kw]	N°poli/numero giri [rpm]	Frequenza di rete [Hz]
<input type="radio"/> <b>Electric Motor</b>	<input type="text"/>	2	50 Hz
<input type="radio"/> <b>Generic Motor</b>	<input type="text"/>	<input type="text"/>	-



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

- Società Unipersonale del Gruppo STM S.p.A. -

Sede Legale e stab.to: Via Malavolti, 48 - 41122 Modena - Italy

Sede Amm.va: Via del Maccabreccia, 39 – 40012 Calderara di Reno (Bo)- Italy

Cap. Soc. € 517.000 i.v. – Comm. Estero Mo 000636




R.E.A. n° MO-201357 - Reg. imp./C.F./P.I. IT 01011290366




T: +39/059/2550.811 – F: +39/059/2559.790

WEB: [www.stmspa.com](http://www.stmspa.com) - E-MAIL: [info@gmspa.com](mailto:info@gmspa.com)



## 4.0 Marcatura – Limitation Mark

4.1 - GAS – Limitation Mark										
Type mark	Limitation Mark		Symbol Mark	Group	Category	Symbol protection	Group dangerous material	Temperature	Protection level EPL	Use limitation
<input type="checkbox"/> b-Gb-4	Accessory Option	Ventilation System 		II	2G	Exh	IIB	T4	Gb	-
<input type="checkbox"/> b-Gb-5								T5		
<input type="checkbox"/> b-Gc-4		And/Or Painting Type TYP3*		II	3G			T4	Gc	-
<input type="checkbox"/> b-Gc-5								T5		
* The painting cycles shown in the catalog and different from these indicated, they follows rules of standard mark - point 5.0 (TYP3C & TYP4C cycles are available on request)										

4.2- DUST – Limitation Mark										
Type mark	Limitation Mark		Symbol Mark	Group	Category	Symbol protection	Group dangerous material	Temperature	Protection level EPL	Use limitation
<input type="checkbox"/> b-Db-4-x	Accessory	Ventilation System 		II	2D	Exh	IIIB	135°C	Db	x
<input type="checkbox"/> b-Db-5-x								100°C		
<input type="checkbox"/> b-Dc-4-x				II	3D		135°C	Dc		
<input type="checkbox"/> b-Dc-5-x							100°C			



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## 5.0 Marcatura - STANDARD

GAS									
Type mark		Symbol Mark	Group	Category	Symbol protection	Group dangerous material	Temperature	Protection level EPL	Use limitation
<input type="checkbox"/> Gb-4			II	2G	Exh	IIC*	T4	Gb	-
<input type="checkbox"/> Gb-5							T5		
<input type="checkbox"/> Gc-4				3G			T4	Gc	
<input type="checkbox"/> Gc-5							T5		
<b>Option</b>	<b>Painting Type* TYP3C</b>								
* The painting cycles shown in the catalog and different from these indicated, is not necessary to point them as they are conform to these markings									
DUST									
Type mark		Symbol Mark	Group	Category	Symbol protection	Group dangerous material	Temperature	Protection level EPL	Use limitation
<input type="checkbox"/> Db-4			II	2D	Exh	IIIC	135°C	Db	-
<input type="checkbox"/> Db-5							100°C		
<input type="checkbox"/> Dc-4				3D			135°C	Dc	
<input type="checkbox"/> Dc-5							100°C		
Accessori: A richiesta è possibile fornire i riduttori con i seguenti accessori									
<input type="checkbox"/> ACC5	Cooling Unit		On request						
<input type="checkbox"/> ACC6	Forced lubrication - BEARING		Lubrication with GREASE						
<input type="checkbox"/> ACC7G	LEVEL		On request						
<input type="checkbox"/> ACC7H	HEATER								
<input type="checkbox"/> ACC7I1	TEMPERATURE SENSOR								
<input type="checkbox"/> ACC7M2	PRESSURE SWITCH								

Date: .....

Signature: .....



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Data acquisition card for ATEX 2014/34 / UE gearboxes

Modello file: 4\_atex\_modulo\_gsm\_Industrial\_rx\_800.docm

Rev.07 14/11/2019 – Ing. Enrico Baroni

GENERAL-  
INFORMATION

Symbol Mark	Group	Category		Symbol protection	Group dangerous material		Temperature*	Protection level EPL		Use limitation
	II Surface industries	2G	Explosive atmosphere formed by gas zone 1, also inside	Exh Ex - Protection mode for constructive safety "c "	IIA	All gases / fluids except (Hydrogen - Acetylene - Carbon Sulphide)	T 1 / 450°C	Gb	Agreement with the Standards EN 80079-36.16- "GAS - 2G"	X With limitations of use
		2D	Explosive atmosphere formed by dusts <b>zone 21</b>		IIB	All gases / fluids except (Hydrogen - Acetylene - Carbon Sulphide)	T 2 / 300°C	Db	Agreement with the Standards EN 80079-36.16- "DUST - 2D"	
		3G	Explosive atmosphere formed by gas zone 2, also inside		IIC	All gases / fluids included (Hydrogen - Acetylene - Carbon Sulphide)	T 3 / 200°C	Gc	Agreement with the Standards EN 80079-36.16- "GAS - 3G"	
		3D	Explosive atmosphere formed by dusts <b>zona 22</b>		IIIA	Particulate fuel	T 4 / 135°C	Dc	Agreement with the Standards EN 80079-36.16- "DUST-3D"	
					IIIB	Non-conductive dust	T 5 / 100°C			
					IIIC	Conductive dust				

\* Group's products II2D - II3D are defined by the maximum temperature of effective surface.

In the case of Temperature Class T5 or max surface temperature of 120 ° C (for group IID, IIG) it is necessary to verify the maximum power applicable to the gearbox by consulting the internal regulations NORM\_0198.

In general, is necessary to verify the power reported in the catalog expected for the individual ratios with overall service factor of the application equal to 1 and considerations about thermal limit. The maximum temperature of surface is determined under normal installation and environmental conditions (-20 ° C and + 40 ° C) and without dust deposits on the devices. Any deviation from these reference conditions can significantly influence the disposal heat and therefore the temperature.

N°	Type mark	Designation
1	Gb-4	= CE Ex - II 2G Exh IIC T4 Gb
2	Gb-5	= CE Ex - II 2G Exh IIC T5 Gb
3	Gc-4	= CE Ex - II 3G Exh IIC T4 Gc
4	Gc-5	= CE Ex - II 3G Exh IIC T5 Gc
5	Db-4	= CE Ex - II 2D Exh IIIC 135°C Db
6	Db-5	= CE Ex - II 2D Exh IIIC 100°C Db
7	Dc-4	= CE Ex - II 3D Exh IIIC 135°C Dc
8	Dc-5	= CE Ex - II 3D Exh IIIC 100°C Dc
9	Gc-4-x	= CE Ex - II 3G Exh IIC T4 Gc-x
10	Gc-5-x	= CE Ex - II 3G Exh IIC T5 Gc-x
11	Dc-4-x	= CE Ex - II 3D Exh IIIC 135°C Dc-x
12	Dc-5-x	= CE Ex - II 3D Exh IIIC 100°C Dc-x
13	b-Gb-4	= CE Ex - II 2G Exh IIB T4 Gb
14	b-Gb-5	= CE Ex - II 2G Exh IIB T5 Gb
15	b-Gc-4	= CE Ex - II 3G Exh IIB T4 Gc
16	b-Gc-5	= CE Ex - II 3G Exh IIB T5 Gc
17	b-Db-4-x	= CE Ex - II 2D Exh IIIB 135°C Db-x
18	b-Db-5-x	= CE Ex - II 2D Exh IIIB 100°C Db-x
19	b-Dc-4-x	= CE Ex - II 3D Exh IIIB 135°C Dc-x
20	b-Dc-5-x	= CE Ex - II 3D Exh IIIB 100°C Dc-x

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