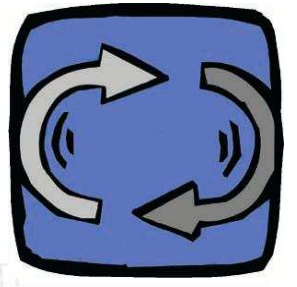


addendum delphi Ex

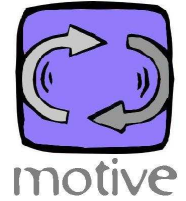


motive
power transmission





II 3G Ex nA T4 (gas)
II 3D Ex tDA22 IP65 T125°C (dust)



Reference list:

Norm (last issue)	title
Directive 94/9/CE	Equipment and Protective systems intended for use in Potentially Explosive Atmospheres. Safety requirements
EN61241-0	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
EN61241-1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
EN61241-14	Electrical apparatus for use in the presence of combustible dust - Part 14: Selection and installation
EN60079-0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
EN60079-15	Electrical apparatus for explosive gas atmospheres - Part 15: Construction, test and marking of type of protection, "n" electrical apparatus

Field of application

The person authorized to do the work is responsible for the zones sharing (Directive 1999/92/CE). He must follow the norms EN 61241-14 and EN60079-14 (whenever their application is possible) when choosing the suitable motor. Motive Delphi Ex motors are designed to be used in the zone 22 (II 3 D T125°C) and/or zone 2 (II 3 G T135°C), according to the classification stated in the plate, and for the voltage and frequency field A described by the norm EN 60034 part 1 Cap. 6.3.

The eventual dust deposits mustn't have a thickness > 5mm

Conformity declaration

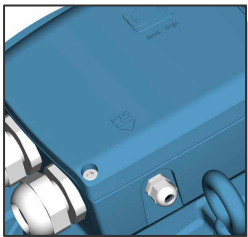
The conformity declaration reported in this addendum, is the document that testifies the product conformity to the Directive 94/9/CE.

The validity of such certificate is related to the respect of the instructions specified in the use and maintenance manual, together with the following additional instructions.

Additional instructions

The persons authorized to do the work in an ambient exposed to explosion risk must be instructed about the right procedure for the use of the motor, respecting all norms related to safety, installation and use.

Motors must be protected against over-heating by suitable control means that must be chosen, considering the working conditions, according to the norm EN60079-14 and EN61241-14.



In order to help such control, all Motive motors from size 160 up to size 400 are provided with 3 PTC thermistors 120-130°C. 3PTC thermistors 120-130°C are also provided in any Delphi-Ex motors, of any size, when identified for zone 2

It is forbidden to open the terminal box to connect electric wires or make any intervention in presence of explosive atmosphere. Before any of such operations, disconnect the motor from the electric power supply and avoid the possibility of any accidental switching

on of the motor.

Peculiar features of Delphi Ex motors, category 3 zone 2 and 22



A technical manual attached to each motor

Reinforced t-box for high collision resistance

fan cover IP20 on entry air side and IP10 on exit

Terminals protected against corrosion, unscrewing and rotation

Shock absorbing rubber Protection IP65 (II 3D)

II 2GD certified anti-pulling cable gland and plug

Earth connection inside the terminal box or on the housing

Conductive material fans

Dust exclusion 6X

Limited surface temperature Low magnesium percentage

3PTC thermistors in II 3G Ex nA motors


Manufacturer's mark



Protection against explosion

Type

YYMM production date. Serial number

Protezione index (IP65 for zone 22, dust)


www.motive.it

 II 3GD Ex nA Ex
tDA22 T125°C
 3~MEC 34-1

DELPHI SERIES ELECTRIC MOTORS - MADE IN ITALY

● TYPE		N°		●	
I..CL	IP 65	S1	COSφ	η%	(50Hz) IE
Δ V Y	Hz	kW	rpm	A	

T= surface temperature for zone22 / internal temperature for zone2

Group II= surface industry,

Category 3= a place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but if it does occur, will persist for a short period only. Zone 22 and Zone 2

G= protection against gas combustion (zone 2)

D= protection against dust combustion (zone 22)



Motive s.r.l.
Via Artigianale, 110/112
25010 Montirone (BS)
Tel.: +39 030 2677087
Fax: +39 030 2677125
motive@e-motive.it
www.motive.it



II 3 GD T125°C

Conformity declaration

Motive s.r.l. whose Head Office is situated in Montirone (BS) - Italy declares as manufacturer, under its own exclusive responsibility, that its whole range of

asynchronous electric motors of the series "Delphi Ex"

is conform to the provisions of the

Directive ATEX 94/9/EC "Equipment intended for use in Potentially Explosive Atmospheres"

based on the classification identified on the motor plate

Group II Category 3D-DUST (zone 22) and/or
Group II Category 3G-GAS (zone 2)

as they respect the following standards requirements:

EN60034-1; EN60034-5; EN61241-0 (zone 22); EN61241-1 (zone 22);
EN60079-15 (zone 2); EN60079-0 (zone 2);

The Legal Representative: Giorgio Bosio

