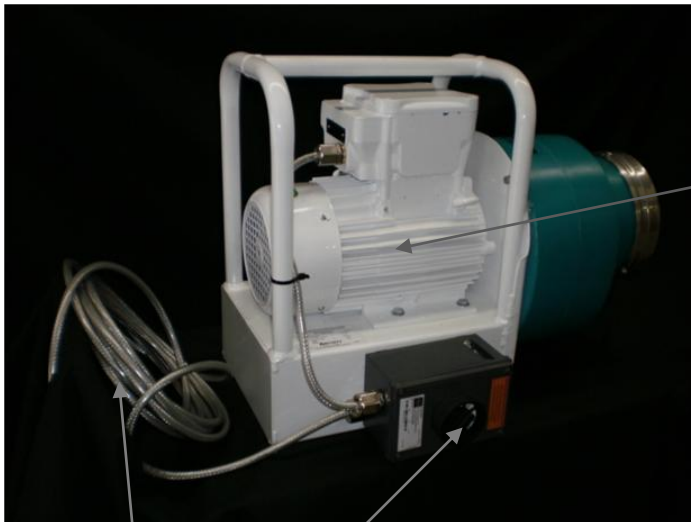


TAD AEI240VAC Explosion Proof 240 VAC ELECTRIC AIR MOVER

- Power 1.5 KW
- Voltage 240 VAC
- Speed 2880 RPM
- Flow rate 890l/sec 1890 Scfm
- 8 inch (203 mm) duct



Explosion proof motor
240 VAC/1.5KW

Carry Handle

Explosion Proof
Switch Enclosure
and Lead

J Slot Connection
for 8" Rhine air



Physical / Performance Characteristics

This unit is a Portable, Electric Driven, Explosion-Proof, 8" (203mm) Blower. It is designed to Vent both Positive and Negative air discharge. Motor is single phase 1.5kw 240VAC – 2880rpm 50Hz cycle. Explosion Proof rated Switch and Lead. The unit is designed to flow 890l/sec / 1890Scfm..

Specifications		
1	Applicable Standards	Hazardous Rated
2	Duty Cycle	50Hz
3	Supply System	Centrifugal
4	Ambient Temp. Max	50
5	Cable Length	15m
6	Rotation (facing NDE)	CW
7	Fan Air Flow Rate	890 L/Sec
8	Fan Air Velocity at Fan Exit	30m/Sec
9	Air Flow Direction	Horizontal
11	Fan Type	Centrifugal
12	Fan Guards Required	Yes
13	Non Sparking Fan Blades	No
14	Conformity Certificates for all Ex Components	Yes
15	Model No.	(8-20481-EX) TADAEI 240VAC-01
16	Full Load Speed	2880 RPM
17	Frame No.	90Frame
18	Outline Dimen. Dwg. No.	200mm 8-20481-EX
19	Full Load Current	10.2amps
20	Power Factor at 100% load	62%
21	Fan Material	Aluminium/Steel
22	Housing Material	Anti Static Plastic
23	Weight	50kg



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: issue No.:

Status:

Date of Issue: **2009-12-02** Page 1 of 3

Applicant: **CEMP S.r.l.**
Via Piemonte, 16
I- 20030 Senago (MI) - Italy
Italy

Electrical Apparatus: **Three-phase asynchronous motors supplied by mains or inverter, series AC/AM 180, AC/AM 200, AC/AM 225, AC/AM 250**
Optional accessory:

Type of Protection: **Flameproof enclosures 'd'; increased safety "e" for terminal box; Dust ignition protection "tD"**

Marking: Ex d I or Ex de I
Ex d IIC T4, T3 or Ex de IIC T4, T3
Ex tD A21 IP 65 T 135 °C, T 150 °C

Approved for issue on behalf of the IECEX Certification Body: Mirko Balaz

Position: Head of IECEX CB

Signature:
(for printed version) _____

Date: _____

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

CESI
Centro Elettrotecnico
Sperimentale Italiano S.p.A.
Via Rubattino 54
20134 Milano
Italy





IECEX Certificate of Conformity

Certificate No.: IECEx CES 09.0007

Date of Issue: 2009-12-02

Issue No.: 0

Page 2 of 3

Manufacturer: **CEMP S.r.l.**
Via Piemonte, 16
I- 20030 Senago (MI)
Italy

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[IT/CES/ExTR09.0006/00](#)

Quality Assessment Report:

[IT/CES/QAR07.0002/02](#)



IECEx Certificate of Conformity

Certificate No.: IECEx CES 09.0007

Date of Issue: 2009-12-02

Issue No.: 0

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Three-phase asynchronous motors series AC/AM 180, AC/AM 200, AC/AM 225, AC/AM 250 supplied by mains or by inverter. The motors are made of grey cast iron with separate compartments: motor enclosure and terminal box for supply and for auxiliary circuits connection. A special solution without terminal box with cable exit from plate can be provided. The motors of group I and group IIC have the type of protection Ex d when both motor and terminal box are in Ex d execution. Type of protection Ex de is achieved by motor in Ex d execution and terminal box in Ex e execution. The motors can be equipped with auxiliary devices (heaters, thermal detectors, etc.). The motors supplied by inverter shall be provided, inside the stator winding, with PTC or PT 100 thermal detectors.

See annex for further description.