

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Certificate of Conformity

Certificate No: AUS Ex 3785X **Issue 0:** Original Issue 13/3/2002
Issue 1: 30/07/2003

Date of Expiry: 13/3/2012

Certificate Holder: Compac Industries Ltd
52 Walls Road
Penrose, Auckland
NEW ZEALAND

Electrical Equipment: Rael 230 – 240 V Flameproof Electric Motor, Model V90ML and V90MC

Type of Protection: Ex d Zone 1

Marking Code: Ex d IIA T3 IP55
AUS Ex 3785X

Manufactured By: Rael Motori Elettrici
Via Alessandria 73
15077 Predosa (AL)
Italy

Issued by:



919 Londonderry Road Londonderry NSW 2753

Phone: (02) 4724 4900

Fax: (02) 4724 4999



Accreditation by the Joint
Accreditation System of Australia
and New Zealand,
Acc No. Z2221100AS



STANDARDS AUSTRALIA

Standards Australia Quality Assurance Services Pty Limited A.B.N. 67 050 611 642

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This certificate is granted subject to the conditions as set out in Standards Australia Miscellaneous Publications MP69 and the Procedures (Doc Q7134) of the scheme.

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

- AS 2380.1-1989 Electrical equipment for explosive atmospheres - Explosion-protection techniques Part 1: General requirements (incorporating Amendment 1)
- AS 2380.2-1991 Electrical equipment for explosive atmospheres - Explosion-protection techniques Part 2: Flameproof enclosure 'd' (incorporating Amendment 1)
- AS 1939-1990 Degrees of protection provided by enclosures of electrical equipment (IP Code)

This certificate does not ensure compliance with electrical safety requirements and performance other than those included in the Standards listed above.

It is the certificate holder's responsibility to ensure any relevant routine test in the above Standards is carried out.

The equipment listed successfully met the examination and test requirements as recorded in

Test Report No: TestSafe 22392, 24226

File Reference: TestSafe 2001/018621, 2003/013224



Signed for and on behalf of issuing authority

Laboratory Systems Manager
Position

30/07/2003
Date of issue

Ex 3785X-1

This certificate and schedule may not be reproduced except in full.

This certificate is not transferable and remains the property of Standards Australia Quality Assurance Services and must be returned in the event of its being revoked or not renewed.

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Scheme

Certificate No: AUS Ex 3785X **Issue:** 1 **Date of Issue:** 30/7/2003

Certified Equipment: The Rael flameproof electric motors, Model V90ML (750 W) and V90MC (550 W) are suitable for use on 230 V to 240 V 50 Hz single phase power systems. The motor frame is made of cast aluminium with foot mounting for horizontal shaft axis. The external fan is made of thermosetting plastic and is a bi-directional radial flow type. Connection facilities are via an integral cable sealing arrangement, which provides direct entry of the external circuit conductors into the motor enclosure. Brass spade lug terminals are used for connection of the external circuit and earthing conductors. The motor windings are fitted with a temperature limiting switch designed to disconnect the power when the winding temperature exceeds 140 °C.

Conditions of Certification:

1. It is a condition of manufacture that a thin film of silicone grease be applied to the endcasing shield cover spigot joint to maintain the IP55 rating.
2. It is a condition of safe use that a thin film of silicone grease be applied to the endcasing shield cover spigot joint each time the endcasing shield cover is reinstalled.

Drawing Schedule

Drawing No	Drawing Title	Issue	Date
V90 MA	230v EL. Motor	C	08/01/01
MOT. ADPE V90 MA	External Specifications	A	18/09/00
AP-320	Rael Electric Motor Label	B	4/3/02
88801	Internal Circuit Layout Rael Motor	01	08/01/01

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Addendum to Certificate No Ex 3785X-1

Schedule of Variations

Variations Permitted by Issue 1:

Inclusion of the electric motor model V90MC with power rating of 550 W to the certificate. The housing and flameproof construction of this model is identical to model V90ML.

The details on page 1 and page 2 of the certificate have been modified to reflect the current certified range of motors.

Conditions of Certification Relating to Variations Permitted by Issue 1:

The conditions in the original certificate shall remain.

Drawings Relating to Variations Permitted by Issue 1:

Drawing No.	Drawing Title	Revision	Date
V90 MA	Motor type V90 single phase, int caps	D1	20/06/03
AP-320	Rael Electric Motor Label	D	24/07/03
MOT. ADPE V90 MA	External Specifications	A	18/09/00

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