



"Because Standards Matter"



CERTIFICATE OF CONFORMITY

for

Powered Smoke and Heat Exhaust Ventilators
as detailed on the Supplementary Information Sheet and
placed on the commercial market by

Actom Mechanical Equipment (Pty) Ltd

**Cnr Alpha & Branch Roads,
Driehoek, Germiston, 1401,
South Africa.**

This document certifies that Actom Mechanical Equipment (Pty) Ltd was subjected to an audit of its *Factory Production Control* system by **DQS UL** from 18th - 21st of August 2014, in accordance with the requirements stated in:

EN 12101-3: 2002

The resultant audit conclusion found Actom Mechanical Equipment (Pty) Ltd to **comply** with the stated requirements.

In accordance with clause 8.1 of EN 12101-3: 2002, complete fulfilment of the requirements is demonstrated in two ways:

1. This **Certificate of Conformity** on the *Factory Production Control* system, and
2. By conducting **Initial Type Testing** as per EN 12101-3 that is approved by an Independent approved inspection authority

For evidence of the **Initial Type Testing**, and approval of the stated products, please refer to BSRIA report numbers, 56502/6 issue 1 dated 25/9/2013 and 56502/7 issue 1 dated 16/10/2013 in attachment with this Certificate of Conformity.

For and on behalf of **DQS UL**;

DQS Authorised Representative

DQS Lead Auditor

Certificate First Issue Date: **28th August 2014**

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference, or the manufacturing conditions in the factory product control itself are not modified significantly.



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Supplementary Information Sheet

(Extract from BSRIA Report 56502/7 – Issue 1 – Dated 16 October 2013)

JM HT Aerofoil fan range, with Actom foot mount motors

To the following performance:

EN 12101-3 Test Classes	F200 (200°C, 2 Hr) F300 (300°C, 1 Hr) Unclassified (300°C, 2 Hr)
Test Temperature	300°C
Test Time (Hours)	2 Hrs
Application Classes	Uninsulated Smoke Reservoir and Non-Smoke Reservoir Dual Purpose No Ducted Cooling Air Required Horizontal orientation Vertical orientation Form A and Form B operation

Product details

Ventilator Range Details

Ventilator Manufacturer	Actom Mechanical Equipment (Pty) Ltd
Ventilator Range Type	JM HT Aerofoil fan range, Pad mount motors
Ventilator Type	Axial
Motor Mounting	Foot

Motor Range 1

Motor Manufacturer	Actom
Motor Range	Vulcan Smoke Extraction Motors, 300°C/2 Hr
Smallest Frame, Largest Output	LS4 Hi Spec, 90S, 1.5 kW (IEC)
Largest Frame, Largest Output	LS4 163-2AH, 11 kW (IEC)
Bearing Fit and Type	C3, Metal, Cage, Deep Groove
Bearing Lubricant	Shell Albida EP2

Impeller Range 1

Impeller Range Details	JM Axial Impeller, LM6 Hubs and LM6 Blades
Smallest Diameter Fan	315 mm
Largest Diameter Fan	900 mm
Most Highly Stressed Model	71JM/31/2/9

JM Axial Impeller, LM6 Hubs and LM6 Blades

31JM/16	35JM/16	40JM/16	40JM/20	45JM/16	45JM/20	50JM/16
50JM/20	56JM/16	56JM/20	56JM/25	63JM/25	63JM/31	71JM/20
71JM/31	80JM/20	90JM/25				
31JM/TS/16	35JM/TS/16	40JM/TS/16	40JM/TS/20	45JM/TS/16	50JM/TS/20	50JM/TS/25
56JM/TS/25	63JM/TS/25	63JM/TS/31	71JM/TS/31	80JM/TS/25	80JM/TS/31	90JM/TS/31



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Supplementary Information Sheet

(Extract from BSRIA Report 56502/6 – Issue 1 – Dated 25 September 2013)

JM HT Aerofoil fan range, with WEG pad mount motors

To the following performance:

EN 12101-3 Test Classes	F200 (200°C, 2 Hr) F300 (300°C, 1 Hr) Unclassified (300°C, 2 Hr)
Test Temperature	300°C
Test Time (Hours)	2 Hrs
Application Classes	Uninsulated Smoke Reservoir and Non-Smoke Reservoir Dual Purpose No Ducted Cooling Air Required Horizontal orientation Vertical orientation Form A and Form B operation

Product details

Ventilator Range Details

Ventilator Manufacturer	Actom Mechanical Equipment (Pty) Ltd
Ventilator Range Type	JM HT Aerofoil fan range, Pad mount motors
Ventilator Type	Axial
Motor Mounting	Pad

Motor Range 1

Motor Manufacturer	WEG
Motor Range	Smoke Extraction Motors, 300°C/2 Hr
Smallest Frame, Largest Output	3~80-2, 1.73 kW (AOR)
Largest Frame, Largest Output	3~200L-4, 49.5 kW (AOR)
Bearing Fit and Type	C3, Metal, Cage, Deep Groove
Bearing Lubricant	Krytox GPL 226

Impeller Range 1

Impeller Range Details	JM Axial Impeller, LM6 Hubs and LM6 Blades
Smallest Diameter Fan	315 mm
Largest Diameter Fan	1600 mm
Most Highly Stressed Model	71JM/31/2/9

JM Axial Impeller, LM6 Hubs and LM6 Blades

31JM/16	35JM/16	40JM/16	40JM/20	45JM/16	45JM/20	50JM/16
50JM/20	56JM/16	56JM/20	56JM/25	63JM/25	63JM/31	71JM/20
71JM/31	80JM/20	90JM/25	100JM/25	100JM/31	100JM/40	100JM/50
112JM/31/9	112JM/40	112JM/50	125JM/31/9	125JM/40	125JM/50	140JM/40/9
140JM/50	160JM/40/9	160JM/50	-	-	-	-
31JMTS/16	35JMTS/16	40JMTS/16	40JMTS/20	45JMTS/20	50JMTS/20	50JMTS/25
56JMTS/25	63JMTS/25	63JMTS/31	71JMTS/31	80JMTS/25	80JMTS/31	90JMTS/31
100JMTS/31	100JMTS/40	112JMTS/40	125JMTS/40	125JMTS/50	140JMTS/50	160JMTS/50
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