

# Summary Report

Summary Report 56502/6

Issue No: 1

Date of issue: 25 September 2013

Actom Mechanical Equipment, A Division of ACTOM (Pty) Ltd  
PO Box 1300, Germiston, SouthAfrica

Has passed the required performance tests, carried out in accordance with  
BS EN 12101-3:2002 to cover the following products:

JM HT Aerofoil fan range, with WEG pad mount motors  
To the following performance:

BS EN 12101-3 Test Classes	F200 (200°C, 2Hr) F300 (300°C, 1Hr) Unclassified (300°C, 2Hr)
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

As detailed in BSRIA Report 56502/6 and summarised on page 2 of this summary report.

Compiled by:

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## PRODUCT DETAILS

### Ventilator Range Details

Ventilator Manufacturer	Actom Mechanical Equipment Ltd
Ventilator Range Title	JM HT Aerofoil Range, Pad mount motors
Ventilator Type	Axial
Motor Mounting	Pad

### Motor Range 1

Motor Manufacturer	Weg
Motor Range	Smoke Extraction Motors, 300°C/2 Hours
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
112JMr/31/9	112JM/40	112JM/50	125JMr/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	1600JMTS/50

Full details can be found in BSRIA Report 56502/6, dated 30 August 2013.