

Summary Report

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Summary Report 55014/2

Issue No: 2

Date of issue: 04 August 2014

This Summary Report confirms that

BSRIA Limited

Has tested a sample of the product described below in accordance with the test methods contained within EN 13181 : 2001 and have determined the item met the detailed classification shown on page 3 of this Summary Report.
For further details see Page 2 of this Summary Report

Manufacturer/Agent	Beta Industrial L.L.C. P.O. Box 50708 Dubai UAE
Product	EAL
Test location	BSRIA Old Bracknell West Bracknell Berkshire RG12 7AH
Date of test	11 April 2011
Test engineer	A Freeth
Quality approved	Mark Roper Principal Test Engineer

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TEST ITEM INFORMATION

Contract	55014
Date	14 April 2011
Manufacturer	Beta Industrial LLC
Louvre Model	EAL
Material	Aluminium
Painted	Yes (white)
Blade Height	987
Blade Width	988
Blade Depth	30
Frame Depth	40
No. of Blades	28
Blade Pitch	35
Blade Angle	45
No. of Banks	1
Guard Type	None
Guard Spacing	N/A
Side Channels	None
Water Drip Tray	Yes
Blade Orientation	Horizontal



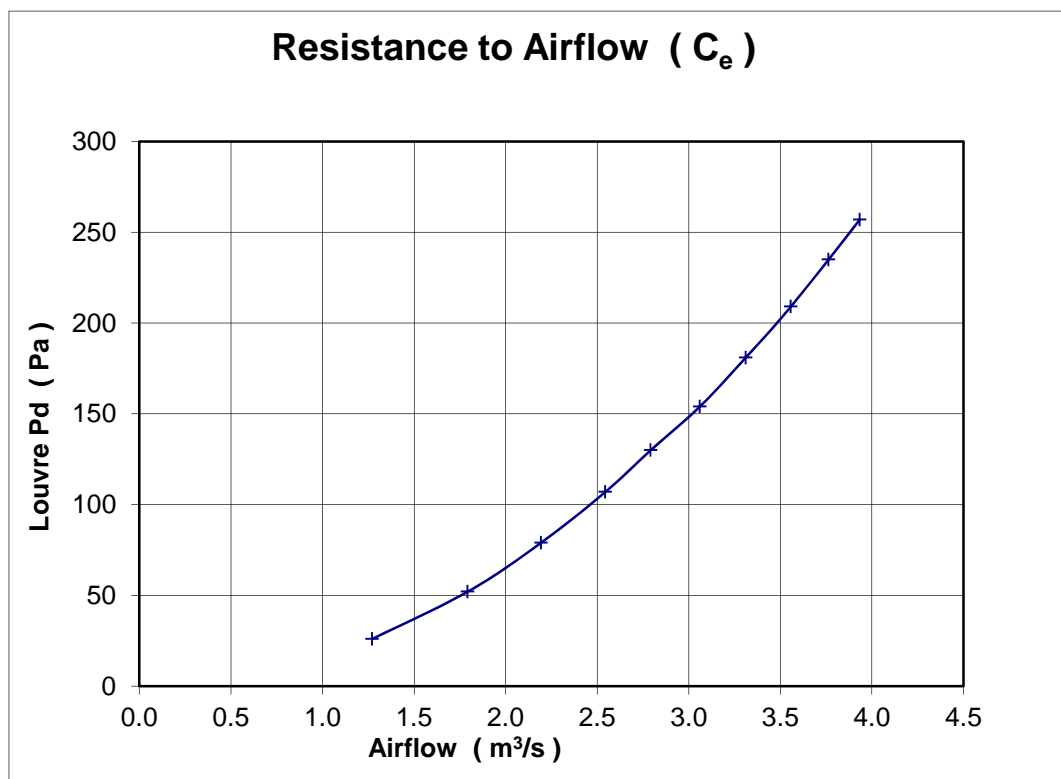
ENTRY LOSS COEFFICIENT

MANUFACTURER Beta Industrial
 MODEL EAL

Date 11/04/2011
 Contract 55014

air temperature 16.8 °C louvre height 987 mm
 barometer 1017 mbar louvre width 988 mm
 air density 1.217 kg/m³ louvre area 0.975 m²

louvre pd Pascals	louvre face velocity	air flow rate		coefficient C _e
	m/s	test m ³ /s	theoretical m ³ /s	
257.0	4.03	3.934	20.040	0.196
235.0	3.86	3.763	19.163	0.196
209.0	3.65	3.558	18.072	0.197
181.0	3.40	3.311	16.818	0.197
154.0	3.14	3.060	15.513	0.197
130.0	2.86	2.792	14.253	0.196
107.0	2.61	2.545	12.931	0.197
79.0	2.25	2.193	11.111	0.197
52.0	1.84	1.792	9.014	0.199
26.0	1.30	1.271	6.374	0.199
mean C _e				0.197
Class				4



CLASSIFICATION OF WEATHER LOUVRES**Discharge and Entry Loss Coefficient**

The discharge and entry loss coefficient shown above, shall be determined in accordance with section 6.2.4.

Table 1 Discharge and Entry loss coefficient classification

Class	Discharge and Entry Loss Coefficient
1	0,4 and above
2	0,3 to 0,399
3	0,2 to 0,299
4	0,199 and below