



ASET-Asia (India) Technical Seminar 2019

Le Meridien New Delhi, India
24th April 2019, 9am to 5.30pm



PROGRAM HIGHLIGHTS

TIME	TOPIC / SPEAKER
0830 – 0900	Registration
0900 – 0915	Welcome & Introduction to AMCA
0915 – 1000	Introduction to Fan Energy Index (FEI) <i>Mr Michael Ivanovich, Senior Director of Global Affairs AMCA International</i>
1000 - 1045	Airflow in a System <i>Mr Abhishek Jain, Technical Director, Air Flow</i>
1045 – 1100	Morning Break
1100 – 1145	Kitchen Exhaust <i>Mr Tanmoy Choudhury, R&D Manager, Maico Gulf</i>
1145 – 1230	Fan Selection <i>Mr Teoh Jye, General Manager Kruger Ventilation Industries Asia</i>
1230 – 1400	Lunch
1400 – 1445	Vibration <i>Mr Teoh Jye, General Manager Kruger Ventilation Industries Asia</i>
1445 – 1530	Damper & Louvers Performance and Selection <i>Mr Mayank Singhal, Senior General Manager Ruskin Titus India</i>
1530 – 1545	Afternoon Break
1545 – 1630	Tunnel Ventilation <i>Mr Paresh Mishra, Director, Systemair India</i>

**AMCA FIRST ASET-ASIA (INDIA)
TECHNICAL SEMINAR!!**

**6 Topics on
Fundamental Concepts &
Applications**

FAN • DAMPERS • LOUVERS



Visit our website www.asiaamca.org for more details!

SPECIAL EDITION!!

AIR MOVEMENT & CONTROL: A RESOURCE COLLECTION

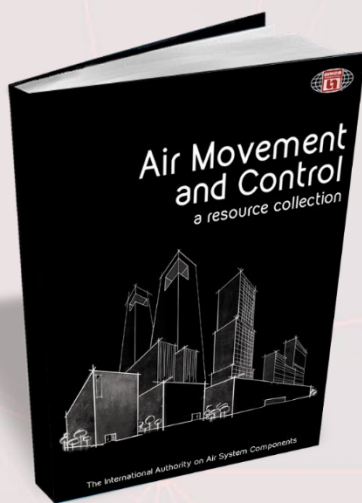


Table of Contents	
Chapter 1 Basic Terminology of Fan	1
The AMCA Standard 99 vocabulary definitions	1
The Fan Laws – AMCA Standard 99	15
Basic Series of Preferred Numbers – AMCA Standard 99	18
Metric Units and Conversion Factors	18
Drive arrangements for centrifugal fans – AMCA Standard 99	20
Drive arrangements for axial fans – AMCA Standard 99	22
Designation for Rotation and Discharge of Centrifugal – AMCA Standard 99	23
Chapter 2 Operating Limits for Centrifugal Fans	25
Operating Limits for Centrifugal Fans – AMCA Standard 99	25
How to Specify Centrifugal fan strength by Class	31
Chapter 3 Spark Resistance Fans	33
Classifications for Spark Resistant Construction	33
Is there an Explosive Proof Fan?	35
Chapter 4 Performance Improvement Opportunity Roadmap	37
Assessing Fan System Needs	38
Fan Types	40
Basic Maintenance	45
Common Fan System Problems	48
Indications of Oversized Fans	51
System Leaks	54
Configurations to Improve Fan System Efficiency	56
Controlling Fans With Variable Loads	60
Fan Drive Options	63
Multiple Fan Arrangements	67
Fan System Economics	70
Chapter 5 Fan and System	75
A Fan By any other name	75
The Fan Performance Curve	77
What is Fan Static Pressure?	79
Fan Total and Static Pressure	81
Fan Test Setups for Rating Purposes	82
Pressure Drop – A Lateral View	85
Fan Air Performance Testing	88
the fan + Torque	92
The Fan Selection Process	94
Chapter 6 Fan Sound	97
Is it the Fan or is it the System?	97
System Effect	98
System Effect Curves and Factors – AMCA Publication 201	99
Spinning wheel Performance	100
Dust Sources Aerodynamic System Effects	101
Wall Size – Overlooked Accessory	102
Chapter 7 Vibration	103
Resonance Rooms Method For Sound Testing of Fans	103
Balance Quality and Vibration Levels for Fans – AMCA 99	104
Resonance and Isolation for Air System Components	105
Chapter 8 Field Condition for Fan	106
What to know About Field Testing Industrial Fans	106
Control of Industrial Processes and Power Generation F	107
Dealing with the Effects of Air Density	108
Estimated Ball Drive Loss	109
Evaluating Site Performance	110
The Proper Physical Installation of a Fan	111
The Excess – What it is and What it Does	112
Excess – What they are and How and Why to us	113
Chapter 9 Fan Efficiency Regulation	114
AMCA Standard 205 – Energy Efficiency Class	114
Fan Efficiency Index	115
Chapter 10 Damper	116
Damper Air Performance per Standard 900-1	116
Fan + Damper – A Complex Sum	117
Testing Damper Operations and Closure	118
Damper Pressure Drop Versus Size	119
What Do you Mean By Damper Leakage?	120
Damper Leakage Rate	121
Chapter 11 Louver	122
Louver Water Repellent Capability Testing	122
The value of Wind-Driven Rain Resistance Louvers	123

- ✓ 17 Important AMCA Standards/Publications
- ✓ AMCA TechSpec
- ✓ Valuable Articles from AMCA inMotion
- ✓ AMCA Important Whitepapers

ALL INTO ONE BOOK!!

ONLY FOR THIS TECHNICAL SEMINAR 2019

SPECIAL PRICE of USD67/SGD90

(Usual Price at USD135)

Registration Details*

**Seats Are Limited! Register by 16th April!*

- AMCA Members : USD 150 per attendee
- Non AMCA Members : USD 180 per attendee
- Get a Copy of Resource Collection : USD 67 per book

Company Name

Name of Attendee

Job Title

Email

Phone

Country

Signature

Submit

Click the 'Submit' button to send electronically.
Otherwise, you can scan this form and email btkoh@asiaamca.org.

Seminar Venue & Hotel Booking

Le Meridien New Delhi, India
Windsor Place, New Delhi, Delhi 110001, India
Tel: +91 11 2371 0101



Our Sponsors

