



SAIRAC
The South African Institute of Refrigeration and Air Conditioning®
www.sairac.co.za

Dear SAIRAC members

You are invited to our **ONLINE** Johannesburg Centre Technical Talk on Thursday 16 July 2026.

TOPIC: Topic: “The title of the talk is: Ascertaining System Efficiency- MEPS compared to Fan Performance

We are pleased to introduce Mr. Francois Schoombie, a distinguished professional in the HVAC industry. Mr.



Schoombie earned his National Diploma in Mechanical Engineering from Tshwane University of Technology in 2001. He began his career with practical training in the HVAC sector and has remained deeply committed to the field ever since. Currently, he serves as the Technical Manager at EBMPAPST South Africa, where he applies his extensive knowledge and passion.

SYNOPSIS:

This presentation explores the limitations of MEPS-driven motor upgrades in HVAC systems and highlights the significant opportunity missed through motor-only replacements. While IE3 compliance improves baseline efficiency, it fails to address system-level losses and operational inefficiencies.

By contrast, EC fan retrofits provide a holistic upgrade, combining high-efficiency motors, direct-drive configurations, and variable speed control to deliver 30–50% energy savings. Supported by real-world case studies, the session demonstrates how operators and owners can reduce energy costs, improve reliability, and achieve rapid payback.

The talk encourages a shift from compliance-driven decisions to lifecycle-based optimisation strategies, enabling more resilient and cost-effective operations.

Date: 16 July 2026

Time: 18h30

Link for the Talk: https://us02web.zoom.us/meeting/register/RQCdhKbDTLi9dtW052j0_Q

There will be a 0.1 CPD credit/point for this talk.

Kind Regards,

Mariet Pieterse
Johannesburg Secretary



M: 082 772 1694

W: www.sairac.co.za

E: johannesburgsecretary@sairac.co.za