

Rear Door iPAMM

Efficient Cooling Solution

Overview

SRA Solutions Rear Door Intelligent Plenum Air Management Module (iPAMM) is designed to support high density IT loads in SCEC Racks with restricted airflow, especially with non-homogenous equipment.

The iPAMM works by creating a slight negative pressure in the rear of the server rack relative to the front plenum. This is achieved through four high-powered fans, a PI control algorithm and a differential pressure sensor.

The Rear Door iPAMM can remove air from the rack at a rate of 2111 l/s using 4 x 250 mm axial fans. This can support heat loads up to 27kW with a temperature differential of 15 degrees celcius without redundancy. The system can support up to 20kW with a temperature differential of 15 degrees celcius with N+1 redundancy.

The Rear Door iPAMM is compatible with SRA Solutions Series 9 SCEC Class B and Class C Racks that are at least 42RU high and 750mm wide.

Technical Data

External Dimensions:	1,775mm (h) x 360mm (w) x 122mm (d)
Weight:	36.65kg
Fan Max RPM:	3,100 rpm
System Airflow:	2,111 l/s
Material:	1.15mm Zinc Anneal Steel
Finish:	Textured Electrostatic Power Coat -Corrosion Resistant
Colour:	Mannex Black
Power:	230VAC @ 50hz 1 Ph, 6A (Dual Power Input)

Single Fan Module Part ID: 136119

Complete Unit (4x fans) Part ID: 136144

Mounting Hardware Included: M5 Flange Nuts (x16)
Thumb Screws (x8)
Magnetic Blanking Strip (x1)

Rack Compatability Chart

Height	42RU	45RU	48RU
Width	750mm		800mm

