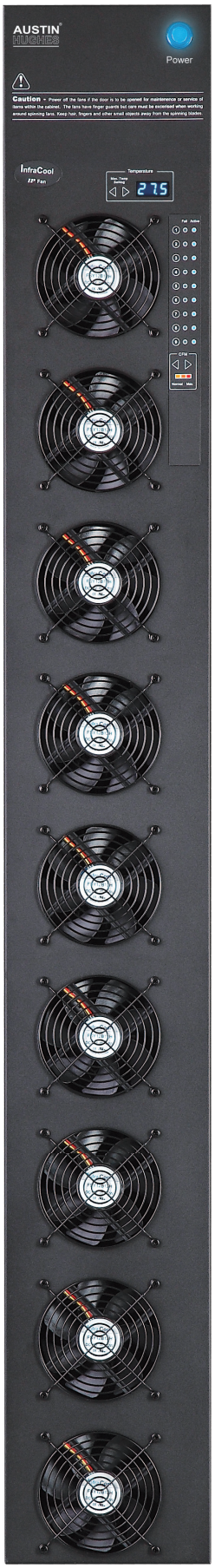
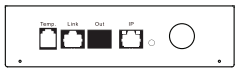
# MRF-33.9

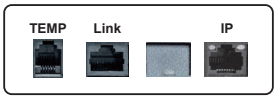
## Intelligent ( Master IP ) 33U Door Mount Fan Panel

InfraCool®




Top View



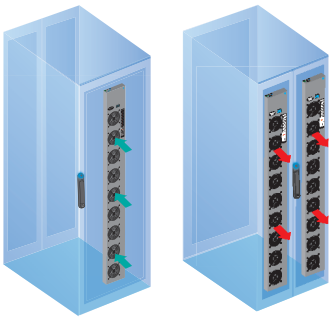



### Benefits

- Easy installation with common tools
- Thin & light weight design only 5 kgs / 11 lbs
- Designed for low noise & high airflow performance
- Improves extraction of heat from high density rack
- Cascade ports for daisy chain up to 16 levels via Cat6 cable
- 1 x intelligent Master IP fan unit allows access to 16 fan unit levels over internet
- Free **ICM-02** management software remote access up to 480 fan units
- Auto & manual CFM setting reduces power consumption
- 1 x bundled temp. sensor with 2M wire
- Temperature sensing technology adjusts the fan speeds accordingly
- Unit or individual fan on / off ( remote or local )
- 48V, 24V or 12VDC power option

***Front Door***
***Cool Air In***

***Rear Door***
***Hot Air Out***



| Model | Installation | Airflow | Purpose |
|---|---|---|---|
| MRF-33.9A | Rear door outside | Extract airflow | Exhaust air out from rack |
| | Front door inside | Intake airflow | Cool air in from aisle |
| MRF-33.9B | Front door outside | Intake airflow | Cool air in from aisle |
| | Rear door inside | Extract airflow | Exhaust air out from rack |

* Package includes the material of clear polycarbonate plastic to block off the remaining open perforated area of the door to eliminate bypass air.

## Product Specifications

| Intelligent Master IP Fan | MRF-33.9A / MRF-33.9B |
|---|---|
| No. of Fan | 9 |
| Mounting | Door Mount |
| CFM Level | Normal / High / Max. |
| Individual Fan ON / OFF | Yes |
| Individual Fan CFM | 108 CFM |
| Unit CFM ( approx. ) | 972 CFM |
| IP Remote Access | Yes |
| Daisy Chain Level | 1st level, Intelligent ( Slave ) Fan for level 2 - 16 |
| MTBF | 50,000 hrs |
| Individual Fan Noise Level | 41 dB |

| Temperature Sensor | |
|---|---|
| Temperature Port | 1 x temperature sensor port ( sensor bundled ) |
| Measurement Range | 0 to 99.9°C |
| Measurement Accuracy | +/- 1.5% |
| Temperature Alarm | Yes |

| Power | |
|---|---|
| Consumption | Auto-sensing 100V or 240V AC at 50 or 60Hz via IEC cord |
| Consumption | 60W |

| Environment | |
|---|---|
| Operating / Storage | 0 to 50°C / -5 to 60°C |
| Relative Humidity | 90%, non-condensing |
| Shock | 50G acceleration ( 11ms, half-sine wave ) |
| Vibration | 58~100Hz / 0.98G ( 11ms / cycle ) |

| Physical | | |
|---|---|---|
| Dimensions ( W x D x H ) | Product | 195 x 43 x 1466 mm / 7.7 x 1.7 x 57.7 inch |
| | Packing | 263 x 106 x 1650 mm / 10.4 x 4.2 x 65 inch |
| Weight | Net / Gross | 5 kg ( 11 lb ) / 7.4 kg ( 16.3 lb ) |
| Casing Color | | Black |

| Compliance | |
|---|---|
| EMC | FCC & CE certified |
| Safety | CE / LVD certified |
| Environment | RoHS3 & REACH compliant |

FC CE RoHS REACH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