# PRIME®

## MODEL: PRM-R2BO-5 (OUTDOOR)

PRIME's modular data centers are a great and efficient solution to the growing demand for data communication infra- structure. Our modular data centers are prefabricated plug and play solution that allows for rapid deployment which saves time and money. Another feature is our natural air cooling technology which drastically reduces energy consumption by more than 50% compared to traditional cooling solutions. Each unit features our intelligent software designed to help monitor, optimize operation and provide maintenance alerts. All PRIME's modular data centers are thoroughly inspected and tested by our certified QCs before each unit is shipped out to our customer's project sites.
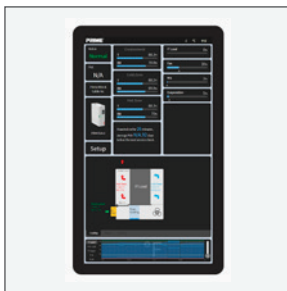
### FEATURES & BENEFITS
- Save Time & Money
- Rapid Deployment
- Stable, Reliable & Scalable
- Self-Monitoring
  Real-Time PLC Control
- Self-Regulating
  Climate Control
- Built-In 4-Way Entry Pallet

### APPLICATIONS
- Small Data Centers
- Schools
- Hospitals
- Financial Institutions
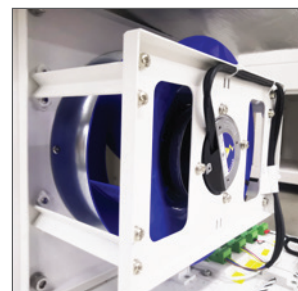- Electronic Sports
- Emergency Services



**PLC Panel**



**G4 Air Filters**



**Evaporative Panel**



**Cooling Fans**

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### COOLING
**Cooling Type:** Natural fresh air + Evaporation
**Supplemental Cooling:** (Optional) DX-direct expansion
**Cooling Capacity:** 5kW
**Internal Operating Humidity:** 10% - 95%
**Internal Operating Temperature:**
   60.08°F ~ 80.06°F/15.6°C ~ 26.7°C

### POWER DISTRIBUTION
**Maximum IT Load:** 5kW
**Nominal Input Voltage:** 200-240VAC, 1 Phase, 50/60Hz
**Maximum Input Current:** 40A
**Power Distribution:** Power distribution panel

### SPECIFICATIONS
**Estimated Weight:** 661.4lbs/300kg
**Physical Measurements:**
   **Rack Measurements:**
   86.6in (H) x 29.5in (W) x 57.2in (D)
   2200mm (H) x 750mm (W) x 1454mm (D)
   **MDC Measurements:**
   86.6in (H) x 63.0in (W) x 71.1in (D)
   2200mm (H) x 1600mm (W) x 1805mm (D)

### OPERATING CONDITIONS
**Elevation:** 0 – 3,280ft/1,000m max. 9,842ft/3,000m
   Altitude over 1000 meters -
   power switch capacity will reduce 1% per 100 meters
**Temperature:** -4°F ~ 113°F/-20°C ~ 45°C
**Humidity:** 5% - 100% RH, non-condensing
**Application:** Outdoor (Indoor available)
**Seismic Grade:** Optional

### PLC MONITORING & CONTROL
**DSCV Management System:**
   Power, cooling, security, environmental monitoring
   & control, PUE display
**Serial Device Server:** RS485 Connection,
                    TCP/IP Communication (optional)
**Monitoring Points (partial):** Input voltage, current,
   frequency, active power, harmonic measurement, on/off
   status, cooling temperature, cooling operation status,
   temperature, humidity, smoke, leaks from drain pan,
   door access

### ACCESS
**Door Lock:** Intelligent Key
**Door Lock Options:** Biometric Recognition System
                    (Fingerprint, Facial)

### ADDITIONAL FEATURES
**L Style Bracket:** Installed to 19in/482.6mm rack,
                  load 110lbs/50kg
**Lighting:** 24V LED light (2pcs)
**Water Hose:** 5m PVC plastic flexible water pipe
                  (10mm diameter)

Prime Wire & Cable, Inc.
Diamond Bar, CA 91765

primewirecable.com

datacenters@primewirecable.com

**909.718.5258**