CONTRACTOR SPECS
Electrical & Network

Electrical & Network Infrastructure Requirements

Technical specifications for Smart Fridge™ + Smart Cooker™ system installation

PROJECT INFORMATION

Equipment	Smart Fridge™ (×2) + Smart Cooker™ Tower (×1)
Manufacturers	Micromart (Fridge) · KitchenMate (Cooker)
Installation	Permanent Commercial Food Service Infrastructure
Operator	Raptor Vending Solutions, LLC

SMART FRIDGE™ — MICROMART

AI-powered refrigerated cabinet with computer vision for autonomous checkout.

Electrical

Voltage	115VAC, 60Hz
Amperage	3.5 amps per unit
Power Cables	2 per unit (9 ft each) — NEMA 5-15P
Circuit	Standard 15A or 20A · Dedicated recommended

Dimensions & Weight

Size	79"H × 30"W × 37.75"D
Weight	340 lbs (154 kg)
Clearance	1" minimum between adjacent units
Door Swing	Left handle, right hinge (not reversible)

Network

Primary	Ethernet — CAT5e/CAT6 with RJ45
Alternative	WiFi 2.4GHz or 5GHz
Backup	Cellular SIM pre-installed (auto-failover)

SMART COOKER™ — KITCHENMATE

Induction heating tower for chef-prepared meals. Heats to serving temperature in 5-7 minutes.

Electrical — DEDICATED 30A CIRCUIT REQUIRED

Circuit	1× dedicated 30A circuit (120VAC)
Outlet Type	NEMA 5-30R (30A)
Wire Gauge	10 AWG copper minimum, per NEC
Requirement	DEDICATED branch circuit — no shared loads

■ CRITICAL: the Smart Cooker requires its own 30A circuit. Induction heating needs consistent power without voltage drops from other equipment, and it must not share a circuit with the fridges or anything else in the room.

Dimensions

Footprint	42"W × 24"D (7 sq ft)
Heating Pods	3-4 simultaneous stations
Technology	Induction (no microwave radiation)

CONTRACTOR SPECS
Electrical & Network

COMPLETE SYSTEM SUMMARY

Standard configuration: 2 Smart Fridges + 1 Smart Cooker Tower

Total Electrical Requirements

Smart Fridges (×2)	7A total @ 115VAC (3.5A each)
Smart Cooker (×1)	1× dedicated 30A circuit (120VAC)
Total Outlets	4 standard, plus one dedicated 30A outlet for the cooker

Space Requirements

Minimum	7 ft W × 3.5 ft D (~25 sq ft)
Recommended	10 ft W × 4 ft D (~40 sq ft with access)
Ceiling	8 ft minimum clearance

Network Infrastructure

Ethernet	1-2 CAT5e/CAT6 drops
IP Addresses	2-3 DHCP or static
Bandwidth	Minimum 1 Mbps up/down

INSTALLATION NOTES

- **Outlets:** position within 6 ft of equipment, accessible but not visible
- **Wire Gauge:** 10 AWG for the 30A cooker circuit; 12 AWG (20A) or 14 AWG (15A) for the fridge circuits, per NEC
- **Protection:** AFCI/GFCI per local code for break room
- **Grounding:** equipment grounding required per NEC
- **Ventilation:** R290 refrigerant — avoid open flames, ensure airflow
- **Environment:** indoor only. Floor must support 340 lb/unit
- **Timing:** complete electrical rough-in before equipment delivery

Equipment Certifications

Smart Fridge	NSF/ANSI 7 · NAMA Listed · QPS Evaluated
Smart Cooker	UL Listed · Commercial Kitchen Standards

PROJECT COORDINATION

Contact	Ryan Kelly
Phone	(385) 438-6325
Email	ryan@raptor-vending.com
Web	raptor-vending.com

Questions about infrastructure requirements? Contact Raptor Vending before beginning work.