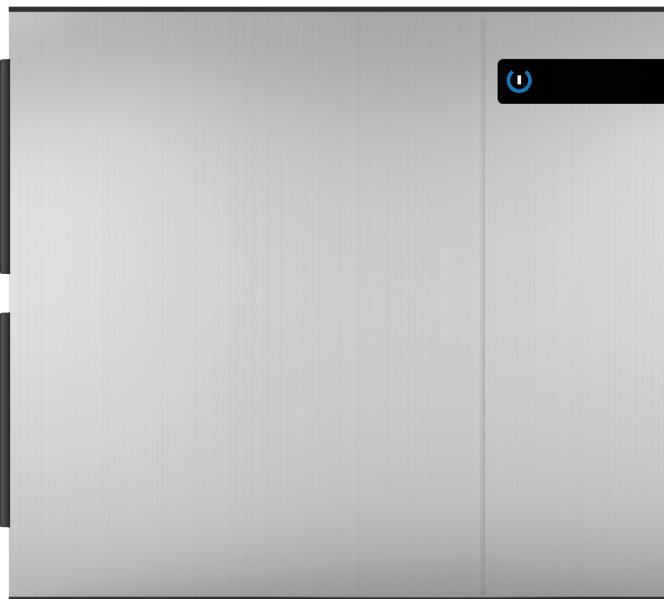


Model:
PC405A

Prodis PC405A Modular Icemaker
High-Capacity Dice Cube Production | 400 kg/24h Production | The Professional Powerhouse



General Information:

The Prodis PC405A is the definitive flagship of our modular ice range, engineered specifically for high-volume venues that demand continuous, large-scale production. As a true professional powerhouse, this heavy-duty head unit delivers an immense 400 kg of premium dice cubes per 24 hours. Designed to be paired with our separate, dedicated storage bins, the PC405A decouples production from storage, allowing you to tailor your ice reserves to flawlessly meet the demands of your most intense service windows. Furthermore, its scalable architecture features stackable capability, enabling venues to double their ice output without increasing the machine's physical footprint. Powered by eco-friendly hydrocarbon technology, this unit combines sheer industrial brawn with intelligent digital oversight.



KEY FEATURES

- **Massive Output Capacity:** Delivers a reliable output of 400 kg per 24 hours, ensuring your venue is always full stocked for peak service windows.
- **Intelligent Connectivity:** Equipped with Bluetooth technology for seamless integration with the My Ice App, providing remote status monitoring and complete cycle management from your smartphone.
- **Capacitive Touch Interface:** Features a sleek, modern control panel that allows for intuitive operation and the programming of bespoke ice production schedules.
- **Modular Flexibility:** Engineered to function flawlessly alongside our PX series storage silos, offering a tailored ice solution that adapts to your specific floor plan and capacity requirements.
- **Heavy-Duty Chassis:** Engineered with a robust 760mm width, providing a perfect structural and visual match for our high-capacity PX405 and PX505 storage bins.

TECHNICAL & OPERATIONAL FEATURES

- **Eco-Friendly Refrigeration:** Utilises highly efficient R290 natural hydrocarbon refrigerant, boasting a near-zero Global Warming Potential (GWP of 3) while significantly reducing daily energy consumption.
- **Optimised Energy Draw:** Operates with a highly efficient 1620 W power consumption profile, balancing high-speed 400 kg production with sustainable running costs.
- **Precision Sensors:** Incorporates advanced electronic sensors for the evaporator and water levels to guarantee consistent ice formation and protect critical internal components.
- **Premium Construction:** Housed in a robust stainless steel exterior designed to withstand the rigorous daily demands of commercial kitchens and bars.

INSTALLATION & MAINTENANCE

- **Integrated USB Port:** Provides service technicians with effortless access to download crucial HACCP data, review performance reports, and perform vital software updates.
- **Automated Diagnostics:** Features a predictive malfunction analysis system alongside acoustic and luminous alarms, ensuring any operational issues are identified immediately.
- **Simplified Maintenance:** Equipped with an extractable air filter that is easily removable and washable, alongside compatibility with an optional factory-order ozone sanitisation kit to maintain a sterile internal environment.
- **Plug & Play:** Supplied with a 1.85m lead for immediate installation.
- **USB Service Port:** Provides easy access for technicians to monitor performance data, view service history, and perform software updates.

SPECIFICATION PC405A

DIMENSION & WEIGHT DATA

External dimensions (W x D x H mm)	760 x 620 x 725
Packaged dimensions (W x D x H mm)	830 x 690 x 900
Net weight	88 kg
Gross weight	106 kg

PRODUCTION & STORAGE DATA

Production kg/24h @ 10°C air & water temperatures	400 kg
Pieces per cycle	342
Ice Size	22 x 24 x 22 (10g) mm
Storage Silo Suggestion	PX405

ELECTRICAL & WATER DATA

Voltage	220-240/50/1N
Total power	1620 W
Fuse	16 A (Type C/D motor-rated breaker recommended)
kWh/100kg	13.7 kWh
Litres per hour	15.1 litres

REFRIGERANT DATA

Refrigerant	R290
Refrigerant charge	150g
Heat expelled	4761 W
Air volume	1200 m³/h
Compressor Wattage	3141 W
COP	1.94

OPERATING REQUIREMENTS

Ambient temperature range	10°C to 43°C
Water temperature range	10°C to 32°C
Water pressure	1 Bar (14 psi) to 10 Bar (140 psi)
Water conductivity	10µS (Microsiemens) at 25°C ambient

Ice Production kg/24h

Air Temp.	Water Temperature			
	10°C	15°C	21°C	32°C
10°C	400kg	390kg	365kg	330kg
21°C	355kg	345kg	325kg	295kg
32°C	290kg	282kg	275kg	245kg
38°C	230kg	222kg	215kg	200kg

Standard Features



High Capacity



Hydrocarbon Refrigerant



Automatic Cleaning



AISI441 Stainless



Capacitive Touch



USB Connectivity



Dice Shaped Ice Cubes



App Ready

Optional Features¹

WiFi Connectivity



RTC Nano-Tech Evaporator



Ozone Sanitisation



Water Cooled Condenser

Dimensional Drawings

