



TECHNICAL SPECIFICATIONS

EMEA, APAC, LATAM



Shown: PM 822ED with optional 7-Day Automatic On/Off Timer

Project _____

Item No. _____

Quantity _____

Date _____

PM 82X Series

PM 821ED, PM 822ED, PM 823ED, PM 824ED, PM 825ED

PizzaMaster® Modular Electric Deck Oven

- The world's largest range of electric ovens.
- Trusted in 170+ and counting.
- Unmatched capacity. Unstoppable output.
- Precision baking made effortless.
- Built to last. Backed for life.

International Voltage
and Certifications

– Available upon request



Standard Features

✓ IQControl Panel™	✓ Vent Control Lever for Each Deck	✓ Multi-Functional Oven Stand
✓ TempIQ Recovery™	✓ High-Density Insulation	✓ Ventilation Hood
✓ TempIQ Guard™	✓ Strong Ergonomic Oven Door Handles	✓ Disassemble Design 3/4/5-Deck Ovens Available as an option on 2-deck oven
✓ TurboStart	✓ Durable Long-Life Oven Door	✓ Resettable Overheat Protection
✓ Balanced Heat Distribution™	✓ Pull-Up Oven Door	✓ 1 & 3 Phase El. Power Supply Available
✓ 3 Heat Zones: Top, Bottom, Front	✓ Large Clear Window Glass Oven Door	✓ Flexible Power Supply for 400V Single or multiple incoming supply cables
✓ Maximum Baking Temperature: 400°C	✓ Stainless Steel Front	✓ International Voltages & Certifications Available upon request
✓ Ceramic Clay Stones w/ Crisping Function Rec. for baking temperatures up to 370°C	✓ Ventilated Front	✓ Start-Up Maintenance Kit Includes: Oven bulbs Cleaning supplies
✓ Sliding Unloading Shelf on 1/2/3-Deck Ovens 2nd shelf available as an option	✓ Bake Timer with Manual Shut-Off Alarm	
✓ Dual Xenon Oven Deck Lights	✓ Single-Push Auto Bake Timer with Alarm	
	✓ Lockable Casters on 1/2/3/4-Deck Ovens	

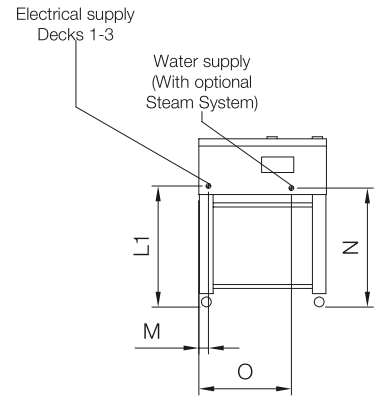
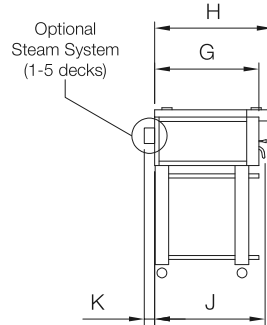
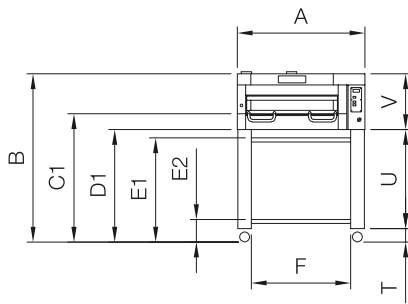
Optional Features

☐ XTREME Performance™ 500°C Extended maximum baking temperature	☐ Extra High Deck N/A with XTREME Performance 500°C	☐ Side Shield Panel
☐ Artisan High-Temperature Clay Stones Rec. for baking temperatures over 370°C	☐ Power Guard™ Control system for limited power supply	☐ Additional Sliding Unloading Shelf
☐ Extended Ventilation Hood Rec. for Bakery and XTREME Performance	☐ Dual Voltage System Switchable (230V 3ph and 400V 3ph+N)	☐ Fixed Unloading Shelf on 4-Deck Oven
☐ Factory Direct Ventilation System Requires Extended Ventilation Hood	☐ Underbuilt Cabinet (UBC)	☐ Side Shelf Maximum 2 per side
☐ 7-Day Automatic On/Off Timer	☐ Underbuilt Cabinet with Proofer (UBC-P)	☐ Oil and Spice Rack Includes pizza cutter
☐ Phantom Black Finish	☐ Lockable Casters for 5-Deck Oven	☐ Pizza Tool Holder Holds up to 3 tools
☐ Disassemble Design 2-Deck Oven	☐ Marine Option Adapted for offshore installations	☐ Pizza Tools Loading Peels (33, 36, 45, 50 cm) Turning Peels (20, 23 cm) Oven Brush Freestanding Peel Holder
☐ Steam System N/A with XTREME Performance 500°C	☐ Near Coastal Option Enhanced protection against saltwater	

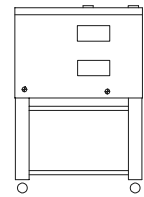
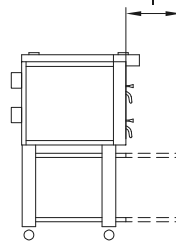
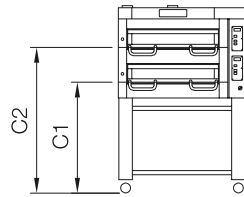
One oven, multiple possibilities. Individually configured decks let you bake different products at once.
Example: **Deck 1** for Bakery, **Deck 2** for Standard Pizza, and **Deck 3** for High Temperature Pizza.

Technical Drawings

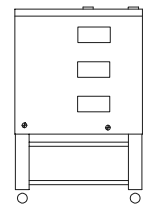
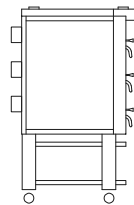
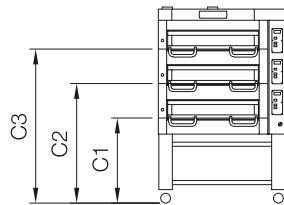
821
Front
Side
Rear



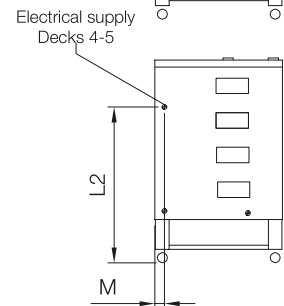
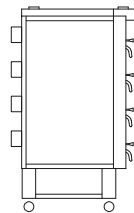
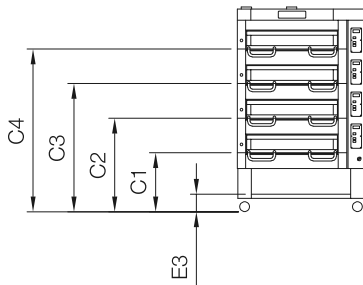
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Front
Side
Rear



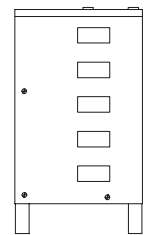
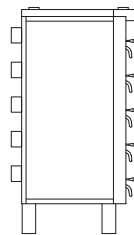
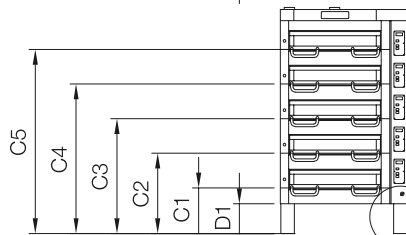
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Front
Side
Rear



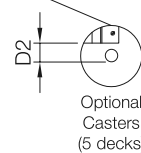
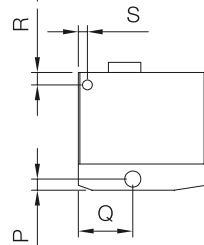
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Front
Side
Rear



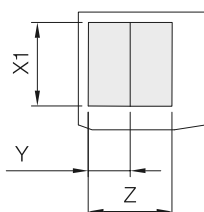
825
Front
Side
Rear



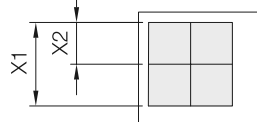
821 - 825
Top



Standard
Ceramic Clay Stones



Optional
Artisan High-Temperature Clay Stones



Notes

- Required 50 mm minimum clearance on all sides.
- Optional Steam System: Measurement "K" includes the required minimum clearance.
- Oven must be installed on a flat horizontal surface.
- Installation next to a deep fryer, hub, pasta cooker or similar equipment requires an optional Side Shield Panel.
- Optional Extra High Deck does not change the oven exterior height in measurement "B".

External Dimensions

See page 2	Description	Unit	821	822	823	824	825
A	Oven Width	mm	1250	1250	1250	1250	1250
B	Total Oven Height	a) With Hood (standard)	mm	1649	1818	1902	1987
		b) Without Hood	mm	1579	1748	1832	1917
C1	Height to Baking Surface, Deck 1 ¹⁾	a) Standard Deck	mm	1258	1088	833	579
		b) Extra High Deck (option) ²⁾	mm	1233	1063	808	554
C2	Height to Baking Surface, Deck 2 ¹⁾	a) Standard Deck	mm	-	1427	1172	918
		b) Extra High Deck (option) ²⁾	mm	-	1402	1147	893
C3	Height to Baking Surface, Deck 3 ¹⁾	a) Standard Deck	mm	-	-	1511	1257
		b) Extra High Deck (option) ²⁾	mm	-	-	1486	1232
C4	Height to Baking Surface, Deck 4 ¹⁾	a) Standard Deck	mm	-	-	-	1596
		b) Extra High Deck (option) ²⁾	mm	-	-	-	1571
C5	Height to Baking Surface, Deck 5 ¹⁾	a) Standard Deck	mm	-	-	-	-
		b) Extra High Deck (option) ²⁾	mm	-	-	-	-
D1	Height to Bottom of Oven (standard)	mm	1102	932	677	423	291
D2	Height to Bottom of Oven (for 5-deck ovens with optional casters) ³⁾	mm	-	-	-	-	184
E1	Height to Upper Sliding Shelf	mm	1021	851	596	-	-
E2	Height to Lower Sliding Shelf	mm	212	212	212	-	-
E3	Height to Fixed Shelf (option for 4-deck ovens)	mm	-	-	-	179	-
F	Shelf Width	mm	1231	1231	1231	1231	1231
G	Oven Depth, with Hood	a) Ventilation Hood (standard)	mm	1158	1158	1158	1158
		b) Extended Ventilation Hood (option)	mm	1288	1288	1288	1288
H	Oven Depth, without Hood	mm	1023	1023	1023	1023	1023
I	Depth of Sliding Shelf when Fully Extended	mm	539	539	539	-	-
J	Depth with Handles	a) Closed door	mm	1083	1083	1083	1083
		b) Open door	mm	1223	1223	1223	1223
K	Depth of Steam System (option)	mm	100	100	100	100	100
L1	Height Position for Electrical Supply, Decks 1-3 [± 25 mm]	mm	1188	1018	763	509	377
L2	Height Position for Electrical Supply, Decks 4-5 [± 25 mm]	mm	-	-	-	1526	1394
M	Width Position for Electrical Supply [± 50 mm]	mm	93	93	93	93	93
N	Height Position for Water Supply (with optional Steam System)	mm	1166	996	741	487	355
O	Width Position for Water Supply (with optional Steam System)	mm	905	905	905	905	905
P	Depth Position for Front Ventilation (with Hood attached)	mm	110	110	110	110	110
Q	Width Position for Front Ventilation (with Hood attached)	mm	537	537	537	537	537
R	Depth Position for Rear Ventilation	mm	122	122	122	122	122
S	Width Position for Rear Ventilation	mm	90	90	90	90	90
T	Height of Casters Only (1 to 4 decks)	mm	132	132	132	132	-
U	Height of Legs Only	mm	970	800	545	291	291
V	Height of Oven Only	a) With Hood (standard)	mm	547	886	1225	1564
		b) Without Hood	mm	477	816	1155	1494

Note 1) Add +12 mm for optional Artisan High-Temperature Clay Stones.

Note 2) Optional Extra High Deck does not change the oven exterior height in measurement "B".

Note 3) All other heights are lowered by 107 mm with optional casters for 5-deck ovens.

Internal Dimensions

See page 2	Description	Unit	821	822	823	824	825
X1	Stone size, depth - Ceramic Clay Stone (standard)	mm	820	820	820	820	820
X2	Stone size, depth - Artisan High-Temperature Clay Stone (option)	mm	410	410	410	410	410
Y	Stone size, width	mm	410	410	410	410	410
-	No. of Stones	a) Ceramic Clay Stone (standard)	pcs	2	2	2	2
		b) Artisan HT Clay Stone (option)	pcs	4	4	4	4
X1	Total baking surface, depth	mm	820	820	820	820	820
Z	Total baking surface, width	mm	820	820	820	820	820
-	Total baking surface, area	m ²	0,7	0,7	0,7	0,7	0,7
-	Internal deck height	a) Standard Deck	mm	210	210	210	210
		b) Extra High Deck (option)	mm	245	245	245	245
-	Deck door opening height	a) Standard Deck	mm	146	146	146	146
		b) Extra High Deck (option)	mm	181	181	181	181

Packing Dimensions

Description	Unit	821	822	823	824	825
Net weight	kg	238	342	445	499	536
Gross weight (total)	kg	270	377	485	540	635
Size / Dimensions	a) Width	mm	1600	1600	1600	2000
	b) Depth	mm	1400	1400	1400	1400
	c) Height	mm	740	990	1340	1680
Volume	m	1,66	2,22	3,00	3,76	5,94

Guidelines for choosing the right oven

1. Measure the available space for the oven.
2. Determine the maximum capacity need per hour and average bake time.
(See capacity tables for guidance).
3. Note that different bake temperatures require separate decks.
4. Factor in time needed for loading and unloading pizzas.
5. Consider potential future expansion plans and the need for additional decks.



SmartIQ™
Oven
Configurator

Capacity tables

Round pizza (mm)	Capacity, per deck	Rectangular pizza (mm)		Capacity, per deck
		Length	Width	
200	16	800	600	4
250	9	762	457	2
300	6	700	500	1
330	5	660	457	1
350	4	650	530	1
400	4	630	470	1
450	2	600	400	1
500	1	600	450	1
600	1	400	300	1

Electrical

Voltage	Parameters (Per deck, unless specified)		Unit	821	822	823	824	825
230 V 1 ph + N 50/60 Hz	Max. Current ¹⁾		Amps	39,1	39,3	39,5	39,7	39,9
	Average Current at normal operation		Amps	13,7	13,7	13,8	13,9	14,0
	Min. Breaker (Type C is rec.)		Amps	43,0	43,2	43,5	43,7	43,9
	Max. Power		kW	9,0	9,0	9,0	9,0	9,0
230 V 3 ph 50/60 Hz	Max. Current ¹⁾		Amps	22,6	22,7	22,9	23,1	23,3
	Average Current at normal operation		Amps	7,9	8,0	8,0	8,1	8,2
	Min. Breaker (Type C is rec.)		Amps	24,8	25,0	25,2	25,4	25,6
	Max. Power		kW	9,0	9,0	9,0	9,0	9,0
400 V 3 ph + N 50/60 Hz	Max. Current ¹⁾	a) Per deck	Amps	13,0	13,2	13,4	13,6	13,9
		b) Single cable	Amps	13,0	26,1	39,1	-	-
		c) Dual cables ²⁾	Amps	-	-	-	39,2 + 13,0	39,4 + 26,1
	Average Current at normal operation	a) Per deck	Amps	4,6	4,6	4,7	4,8	4,8
		b) Total (oven)	Amps	4,6	9,2	14,1	19,1	24,2
	Min. Breaker (Type C is rec.)	a) Per deck	Amps	14,3	14,5	14,8	15,0	15,2
		b) Total (oven)	Amps	14,3	29,0	44,3	60,0	76,2
	Max. Power	a) Per deck	kW	9,0	9,0	9,0	9,0	9,0
		b) Total (oven)	kW	9,0	18,0	27,0	35,9	44,9

Note 1) Only at start-up (~20 min) with activated TurboStart or all heat zones at max.

Note 2) First cable for decks 1-3; Second cable for decks 4-5.

Ventilation

EPA 202 Tested	821	822	823	824	825
PizzaMaster electric deck ovens conform to ventilation recommendations set forth by ANSI/NFPA96 using EPA 202 test method. Grease-laden vapor test, EPA 202 (ventless requirement): 8 hr, Pepperoni pizza, < 5,00 mg/m3.	✓	✓	✓	✓	✓

How to install	Connection(s)				Air flow					
	Qty	Pos	Unit	Value	Unit	821	822	823	824	825
Factory Direct Vent. System (option) ¹⁾	1	Center	mm	200	m³/h	688	791	894	997	1100
Direct Ventilation ²⁾	2	Front	mm	160	m³/h	688	791	894	997	1100
		Rear	mm	100	m³/h	20	40	59	79	99
Under External Hood	-	-	-	-	m³/h	516	593	670	748	825

Note 1) Requires Extended Ventilation Hood.

Note 2) For best performance, Extended Ventilation Hood is recommended.

Exhaust temperature (See page 3 for measurement "B/b")			
Connection	Unit	"B/b" + 400 mm	"B/b" + 1000 mm
Center ¹⁾	°C	-	42
Front ²⁾	°C	46	42
Rear ²⁾	°C	115	109

Note 1) With optional Factory Direct Ventilation System.

Note 2) Without optional Factory Direct Ventilation System.

Heat emission ¹⁾						
Type	Unit	821	822	823	824	825
Total	kW	3,1	6,3	9,4	12,6	15,7
Sensible	kW	0,9	1,8	2,7	3,6	4,5
Latent	kW	2,2	4,5	6,7	9,0	11,2

Note 1) At normal operation, all decks running.

Water Only for Optional Steam System

Requirements	Value	Requirements	Value
Water drain	Not required	Connection	G 3/4"
Backflow protection	Required, not included	General water quality	Cold Drinking Water
Auto shut-off valve	Included	Water softener	Recommended
Incoming water pressure	0,2 - 0,4 MPa	Particle filter	Recommended

Water quality requirements	Unit	Value
Magnesium (Mg)	mg/l	< 30
Calcium (Ca)	mg/l	20 - 100
Hardness	dH	4,0 - 7,0
Acidity at 20°C	pH	7,5 - 8,5
Alkalinity (HCO)	mg/l	> 60