



TECHNICAL SPECIFICATIONS
USA



Shown: PM 842ED with optional 7-Day Automatic On/Off Timer

Project _____

Item No. _____

Quantity _____

Date _____

PM 84X Series

PM 841ED, PM 842ED, PM 843ED, PM 844ED, PM 845ED

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 480V Single or multiple incoming supply cables
✓ XTREME Performance™ 932°F	✓ Stainless Steel Front	✓ International Voltages & Certifications Available upon request
✓ Ceramic Clay Stones w/ Crisping Function Rec. for baking temperatures up to 700°F	✓ Ventilated Front	✓ Start-Up Maintenance Kit Includes: Oven bulbs Cleaning supplies
✓ Sliding Unloading Shelf on 1/2/3-Deck Ovens 2 pcs included	✓ 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	

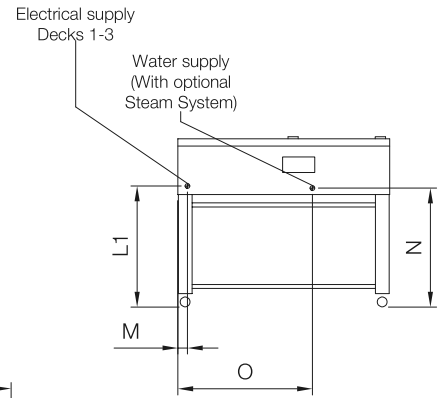
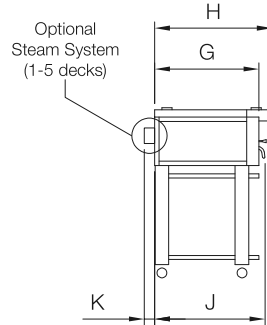
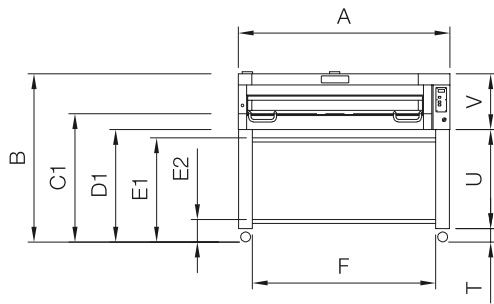
Optional Features

☐ Artisan High-Temperature Clay Stones Rec. for baking temperatures over 700°F	☐ Steam System Maximum baking temperature limited to 752°F	☐ Fixed Unloading Shelf on 4-Deck Oven
☐ Extended Ventilation Hood Rec. for Bakery and baking temp. over 700°F	☐ Extra High Deck Maximum baking temperature limited to 752°F	☐ Side Shelf Maximum 2 per side
☐ Factory Direct Ventilation System Requires Extended Ventilation Hood	☐ Power Guard™ Control system for limited power supply	☐ Oil and Spice Rack Includes pizza cutter
☐ 7-Day Automatic On/Off Timer	☐ Side Shield Panel	☐ Pizza Tool Holder Holds up to 3 tools
☐ Phantom Black Finish	☐ Marine Option Adapted for offshore installations	☐ Pizza Tools Loading Peels (13, 14, 17.7 and 19.7 in) Turning Peels (7.9 and 9 in) Oven Brush Freestanding Peel Holder
☐ Disassemble Design 2-Deck Oven	☐ Near Coastal Option Enhanced protection against saltwater	
☐ Lockable Casters for 5-Deck Oven		

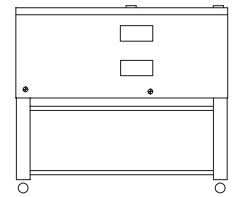
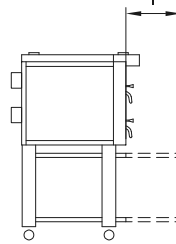
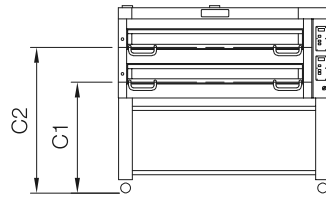
One oven, multiple possibilities. Individually configured decks let you bake different products at once.
Example: **Deck 1** for Bakery, **Deck 2** for Standard Pizza, and **Deck 3** for High Temperature Pizza.

Technical Drawings

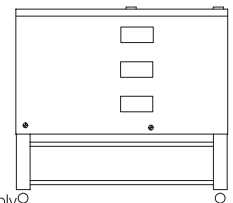
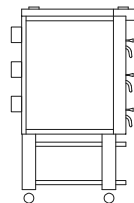
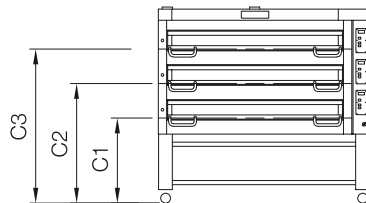
841
Front
Side
Rear



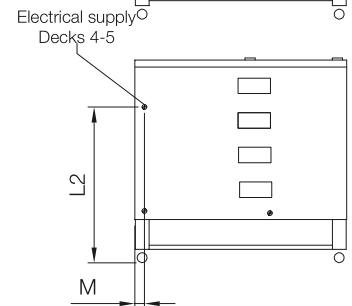
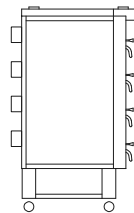
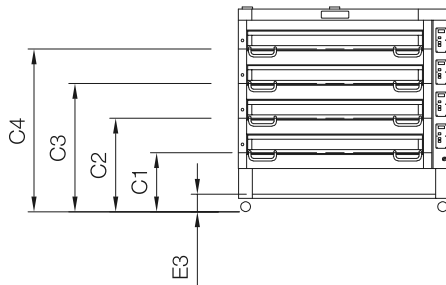
842
Front
Side
Rear



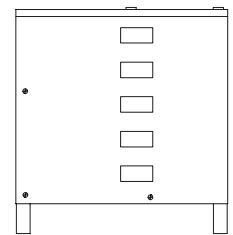
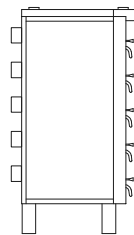
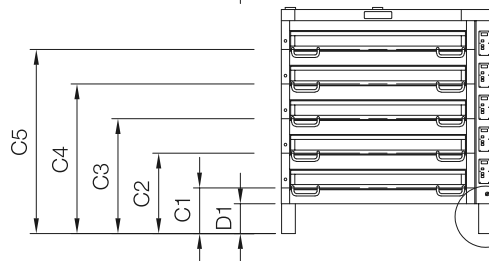
843
Front
Side
Rear



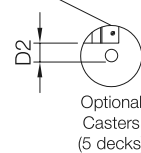
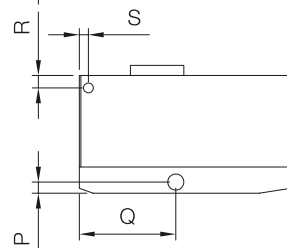
844
Front
Side
Rear



845
Front
Side
Rear



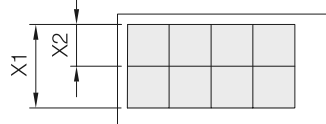
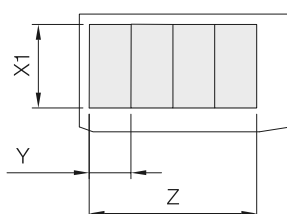
841 - 845
Top



Standard
Ceramic Clay Stones

Optional
Artisan High-Temperature Clay Stones

841 - 845
Baking Surface
Stone size



Notes

- Required 2" 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	841	842	843	844	845
A	Oven Width		in	81,7	81,7	81,7	81,7	81,7
B	Total Oven Height	a) With Hood (standard)	in	64,9	71,6	74,9	78,2	86,4
		b) Without Hood	in	62,2	68,8	72,1	75,5	83,6
C1	Height to Baking Surface, Deck 1 ¹⁾	a) Standard Deck	in	49,5	42,8	32,8	22,8	17,6
		b) Extra High Deck (option) ²⁾	in	48,5	41,9	31,8	21,8	16,6
C2	Height to Baking Surface, Deck 2 ¹⁾	a) Standard Deck	in	-	56,2	46,1	36,1	30,9
		b) Extra High Deck (option) ²⁾	in	-	55,2	45,2	35,2	30,0
C3	Height to Baking Surface, Deck 3 ¹⁾	a) Standard Deck	in	-	-	59,5	49,5	44,3
		b) Extra High Deck (option) ²⁾	in	-	-	58,5	48,5	43,3
C4	Height to Baking Surface, Deck 4 ¹⁾	a) Standard Deck	in	-	-	-	62,8	57,6
		b) Extra High Deck (option) ²⁾	in	-	-	-	61,9	56,7
C5	Height to Baking Surface, Deck 5 ¹⁾	a) Standard Deck	in	-	-	-	-	71,0
		b) Extra High Deck (option) ²⁾	in	-	-	-	-	70,0
D1	Height to Bottom of Oven (standard)		in	43,4	36,7	26,7	16,7	11,5
D2	Height to Bottom of Oven (for 5-deck ovens with optional casters) ³⁾		in	-	-	-	-	7,2
E1	Height to Upper Sliding Shelf		in	40,2	33,5	23,5	-	-
E2	Height to Lower Sliding Shelf		in	8,3	8,3	8,3	-	-
E3	Height to Fixed Shelf (option for 4-deck ovens)		in	-	-	-	7,0	-
F	Shelf Width		in	75,9	75,9	75,9	75,9	75,9
G	Oven Depth, with Hood	a) Ventilation Hood (standard)	in	45,6	45,6	45,6	45,6	45,6
		b) Extended Ventilation Hood (option)	in	50,7	50,7	50,7	50,7	50,7
H	Oven Depth, without Hood		in	40,3	40,3	40,3	40,3	40,3
I	Depth of Sliding Shelf when Fully Extended		in	21,2	21,2	21,2	-	-
J	Depth with Handles	a) Closed door	in	42,6	42,6	42,6	42,6	42,6
		b) Open door	in	48,1	48,1	48,1	48,1	48,1
K	Depth of Steam System (option)		in	3,9	3,9	3,9	3,9	3,9
L1	Height Position for Electrical Supply, Decks 1-3 [± 1 in]		in	46,8	40,1	30,0	20,0	14,8
L2	Height Position for Electrical Supply, Decks 4-5 [± 1 in]		in	-	-	-	60,1	54,9
M	Width Position for Electrical Supply [± 2 in]		in	3,7	3,7	3,7	3,7	3,7
N	Height Position for Water Supply (with optional Steam System)		in	45,9	39,2	29,2	19,2	14,0
O	Width Position for Water Supply (with optional Steam System)		in	51,9	51,9	51,9	51,9	51,9
P	Depth Position for Front Ventilation (with Hood attached)		in	4,3	4,3	4,3	4,3	4,3
Q	Width Position for Front Ventilation (with Hood attached)		in	37,3	37,3	37,3	37,3	37,3
R	Depth Position for Rear Ventilation		in	4,8	4,8	4,8	4,8	4,8
S	Width Position for Rear Ventilation		in	3,5	3,5	3,5	3,5	3,5
T	Height of Casters Only (1 to 4 decks)		in	5,2	5,2	5,2	5,2	-
U	Height of Legs Only		in	38,2	31,5	21,5	11,5	11,5
V	Height of Oven Only	a) With Hood (standard)	in	21,5	34,9	48,2	61,6	74,9
		b) Without Hood	in	18,8	32,1	45,5	58,8	72,2

Note 1) Add +0,5 in 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 4,3" with optional casters for 5-deck ovens.

Internal Dimensions

See page 2	Description	Unit	841	842	843	844	845
X1	Stone size, depth - Ceramic Clay Stone (standard)	in	32,3	32,3	32,3	32,3	32,3
X2	Stone size, depth - Artisan High-Temperature Clay Stone (option)	in	16,1	16,1	16,1	16,1	16,1
Y	Stone size, width	in	16,1	16,1	16,1	16,1	16,1
-	No. of Stones	a) Ceramic Clay Stone (standard)	pcs	4	4	4	4
		b) Artisan HT Clay Stone (option)	pcs	8	8	8	8
X1	Total baking surface, depth	in	32,3	32,3	32,3	32,3	32,3
Z	Total baking surface, width	in	64,6	64,6	64,6	64,6	64,6
-	Total baking surface, area	ft ²	14,5	14,5	14,5	14,5	14,5
-	Internal deck height	a) Standard Deck	in	8,3	8,3	8,3	8,3
		b) Extra High Deck (option)	in	9,6	9,6	9,6	9,6
-	Deck door opening height	a) Standard Deck	in	5,7	5,7	5,7	5,7
		b) Extra High Deck (option)	in	7,1	7,1	7,1	7,1

Packing Dimensions

Description		Unit	841	842	843	844	845
Net weight		lbs	659	1131	1594	2074	2481
Gross weight (total)		lbs	783	1261	1737	2218	2696
Size / Dimensions	a) Width	in	91	91	91	91	91
	b) Depth	in	55	55	55	55	55
	c) Height	in	29	39	53	66	83
Volume		ft	84.1	112.6	152.4	191.0	241.1

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 (in)	Capacity, per deck	Rectangular pizza (in)		Capacity, per deck
		Length	Width	
7	43	10	8	24
10	18	10	10	18
12	14	12	12	10
14	9	14	10	12
16	8	14	14	8
18	5	23,6	7,9	10
20	3	23,6	11,8	10
21	3	23,6	15,8	5
24	2	26	18	3

Electrical

Voltage	Parameters (Per deck, unless specified)		Unit	841	842	843	844	845
208 V 1 ph 50/60 Hz	Max. Current ¹⁾		Amps	81,5	81,8	82,0	82,2	82,5
	Average Current at normal operation		Amps	28,5	28,6	28,7	28,8	28,9
	Min. Breaker (Type C is rec.)		Amps	89,7	89,9	90,2	90,5	90,7
	Max. Power		kW	17,0	17,0	17,0	17,0	17,0
208 V 3 ph 50/60 Hz	Max. Current ¹⁾		Amps	47,3	47,3	47,4	47,6	47,8
	Average Current at normal operation		Amps	16,5	16,5	16,6	16,7	16,7
	Min. Breaker (Type C is rec.)		Amps	52,0	52,0	52,1	52,3	52,6
	Max. Power		kW	17,0	17,0	17,0	17,0	17,0
240 V 1 ph 50/60 Hz	Max. Current ¹⁾		Amps	76,9	77,2	77,4	77,6	77,8
	Average Current at normal operation		Amps	26,9	27,0	27,1	27,2	27,2
	Min. Breaker (Type C is rec.)		Amps	84,6	84,9	85,1	85,4	85,6
	Max. Power		kW	18,5	18,5	18,5	18,5	18,5
240 V 3 ph 50/60 Hz	Max. Current ¹⁾		Amps	44,6	44,6	44,7	44,9	45,1
	Average Current at normal operation		Amps	15,6	15,6	15,6	15,7	15,8
	Min. Breaker (Type C is rec.)		Amps	49,0	49,0	49,2	49,4	49,6
	Max. Power		kW	18,5	18,5	18,5	18,5	18,5
480 V 3 ph + N 50/60 Hz	Max. Current ¹⁾	a) Per deck	Amps	20,5	20,5	20,6	20,8	21,0
		b) Single cable	Amps	20,5	41,0	61,5	-	-
		c) Dual cables ²⁾	Amps	-	-	-	61,5 + 20,5	61,5 + 41,0
	Average Current at normal operation	a) Per deck	Amps	7,2	7,2	7,2	7,3	7,3
		b) Total (oven)	Amps	7,2	14,3	21,6	29,1	36,7
	Min. Breaker (Type C is rec.)	a) Per deck	Amps	22,5	22,5	22,7	22,9	23,1
		b) Total (oven)	Amps	22,5	45,1	68,0	91,4	115,3
	Max. Power	a) Per deck	kW	17,0	17,0	17,0	17,0	17,0
		b) Total (oven)	kW	17,0	33,9	50,9	67,8	84,8

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	831	832	833	834	835
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	831	832	833	834	835
Factory Direct Vent. System (option) ¹⁾	1	Center	in	8	CFM	537	618	699	779	860
Direct Ventilation ²⁾	2	Front	in	6-1/2	CFM	537	618	699	779	860
		Rear	in	4	CFM	17	35	52	70	87
Under External Hood	-	-	-	-	CFM	403	463	524	584	645

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" + 16 in	"B/b" + 40 in
Center ¹⁾	°F	-	108
Front ²⁾	°F	115	108
Rear ²⁾	°F	239	228

Note 1) With optional Factory Direct Ventilation System.

Note 2) Without optional Factory Direct Ventilation System.

Heat emission ¹⁾						
Type	Unit	831	832	833	834	835
Total	BTU/h	16063	32125	48188	64251	80313
Sensible	BTU/h	4589	9179	13768	18357	22947
Latent	BTU/h	11473	22947	34420	45893	57367

Note 1) At normal operation, all decks running.

Water Only for Optional Steam System

Requirements	Value	Requirements	Value
Water drain	Not required	Connection	NH 3/4"
Backflow protection	Required, not included	General water quality	Cold Drinking Water
Auto shut-off valve	Included	Water softener	Recommended
Incoming water pressure	29 - 58 psi	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