



# Michelangelo

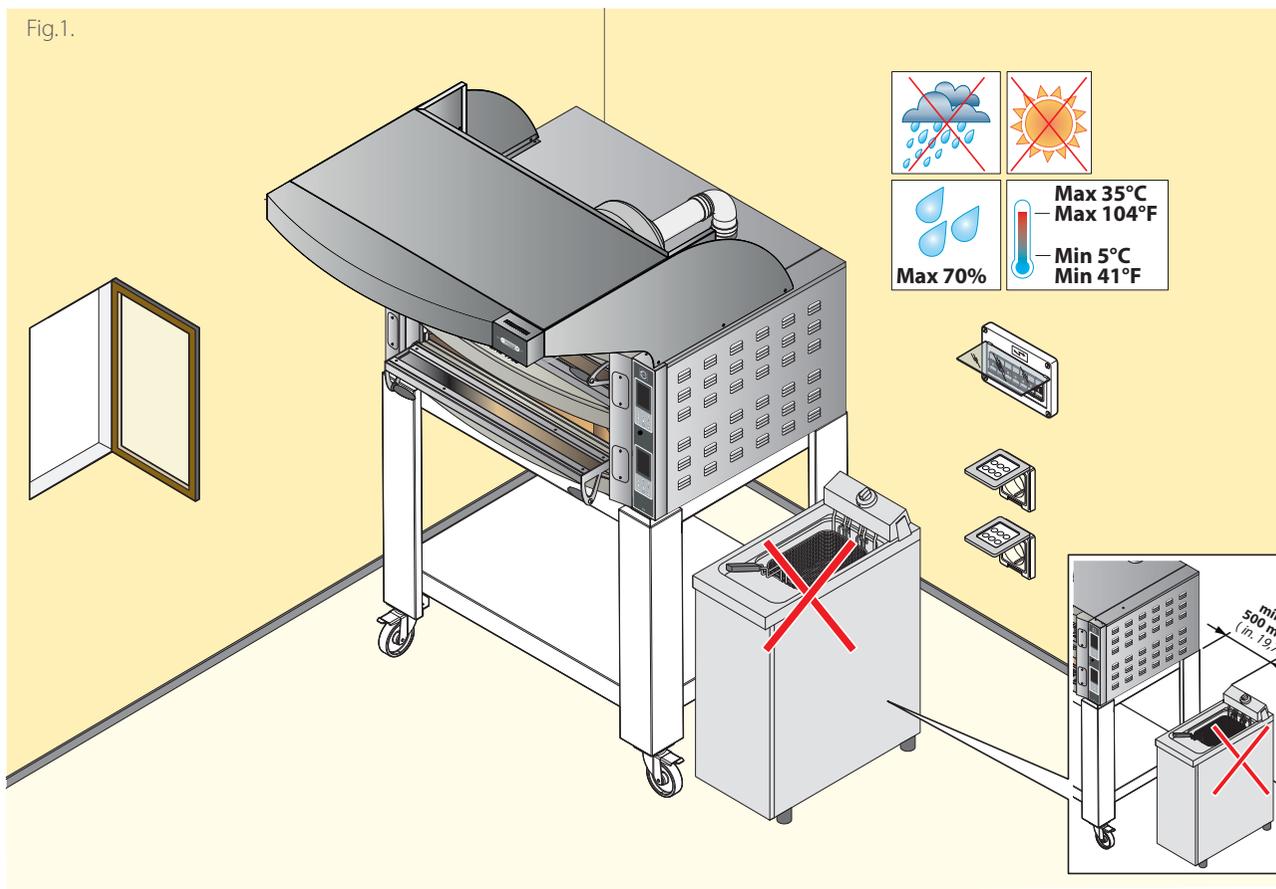
OVEN

Pre-installation manual

# Preparations

After purchasing the oven and before its installation, check the following conditions, necessary for the correct installation, operation and maintenance of the oven.

A	<b>Transport (Owner's inspection)</b>
√	Make sure that, on the day when you receive the oven or it is installed:
	<ul style="list-style-type: none"> <li>lifting equipment is available that can handle the appliance safely (check weight and dimensions in the following pages), together with staff qualified to carry out this operation;</li> </ul>
	<ul style="list-style-type: none"> <li>personal protection equipment is available (e.g. safety shoes, gloves, etc.)</li> </ul>
B	<b>Installation room (Owner's inspection)</b>
√	Make sure that:
	<ul style="list-style-type: none"> <li>the floor of the installation room is fireproof, perfectly flat and capable of withstanding the weight of the appliance;</li> </ul>
	<ul style="list-style-type: none"> <li>the installation room:                             <ul style="list-style-type: none"> <li>is dedicated and suitable to cooking food;</li> <li>has adequate air ventilation;</li> <li>complies with the current regulations on health and safety and systems in the workplace;</li> <li>is protected from the weather;</li> <li>has a maximum temperature of between +5° (41°F) and +35°C (104°F);</li> <li>has a maximum humidity of 70%.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>the appliance easily passes through doorways;</li> </ul>
	<ul style="list-style-type: none"> <li>there are NO other sources of heat (i.e. grills, fryers, etc.), highly flammable substances or fuels (i.e. gasoline, petrol, bottles of alcohol, etc...) in the vicinity of the appliance. It is vital to comply with the minimum safety distances between the oven and the other equipment or flammable materials                              ► <b>Fig.2.</b> The stated distances must be increased in the presence of objects in materials sensitive to heat;</li> </ul>
	<ul style="list-style-type: none"> <li>there is adequate ventilation according to the regulations in force in the Country of installation. If this is not the case, a Ø14 cm air intake is mandatory, communicating with the outside or a ventilated room (i.e. storeroom, attic, garage, basement).</li> </ul>



 When choosing the positioning room, take into account that the appliance must be **easy to move** for any extraordinary maintenance: be careful since any brickwork after installation (e.g.: wall construction, door replacement with narrower ones, renovations, etc.) do not hamper movements.

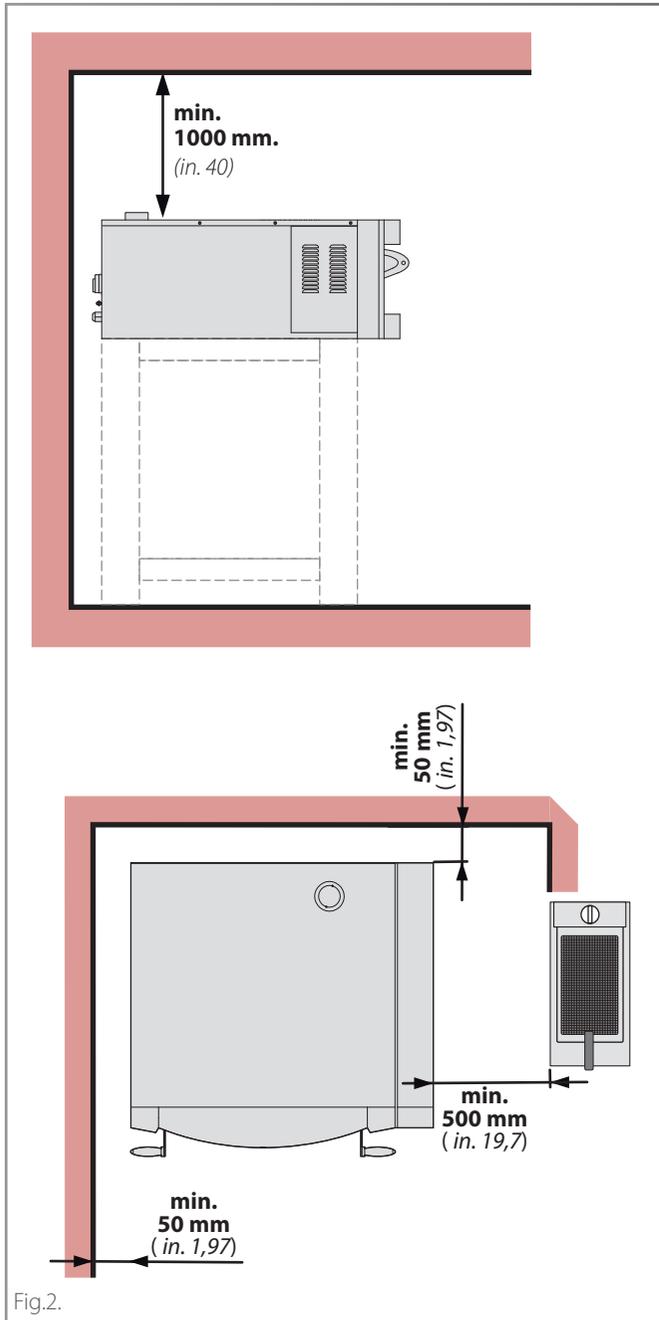


Fig.2.

### C Electrical connection (qualified electrician's inspection)

✓ For a correct connection during the installation:

- **provide sockets** connecting to the electrical network near the oven. If the oven has a double chamber, **there must be two connecting sockets.**
- **use a cable and a plug:** appliances are supplied without either power cable or plug: they must both be fitted by qualified personnel. The cable must be only **of the type stated** and the plug fitted to it must be suitable for the consumption and connection of the oven to the electrical mains.

Oven type	Supply V	Power kW	Cable type	Client's panel prot. nxA	Oven type	Supply V	Power kW	Cable type	Client's panel prot. nxA
435	Single phase 230V	5,8	H07RN-F 3G4	2x32	635L	three-phase 400V	8,6	H07RN-F 5G1,5	4x16
	three-phase 400V		H07RN-F 5G1	4x16					
	three-phase 30V		H07RN-F 4G1,5	3x16					
	three-phase 208V		15/4 SOOW CABLE	3x16					
635	three-phase 400V	8,4	H07RN-F 5G1,5	4x16	935	three-phase 400V	12,6	H07RN-F 5G2,5	4x20
	three-phase 230V		H07RN-F 4G2,5	3x25					
	three-phase 208V		13/4 SOOW CABLE	3x25					

- **check that the systems in the room comply with the legal provisions in force in the country of use** and meet the specifications on the serial number plate. For a correct electrical connection, the appliance must:
  - be included in an **equipotential system** in compliance with the legislation in force. This connection must be made between the various devices with the terminal marked with the equipotential symbol (⏚). The cable must have a maximum cross-section of 10 mm<sup>2</sup> (in compliance with IEC EN 60335-2-42:2003-09) and must be yellow-green;
  - must be **grounded** (⏚) to the mains (green-yellow wire);
  - must be connected to a **thermal differential switch** in compliance with the regulations in force (0.03A A type);
  - must be connected to an **omnipolar circuit breaker** allowing complete disconnection in overvoltage III category conditions.

### D Smoke evacuation (Owner's inspection)

✓

The oven is fitted with an adjustable exhaust in the top to get rid of the steam from the cooking chamber. This steam, together with the one from the door during the work phases, **must be conveyed outside** in one of the following ways:

- through a **hood supplied by the Manufacturer** that ensures perfect compatibility with the oven. For its correct assembly and fastening to the oven, please refer to the instruction sheet accompanying it.
- through an adequate extraction system supplied by the user: in this case a draught switch must be installed between the extractor and the oven chimney (the extractor and switch are not supplied by the Manufacturer).

The extractor flue must serve only the appliance, have a minimum diameter of **150 mm** and comply with the current regulations.

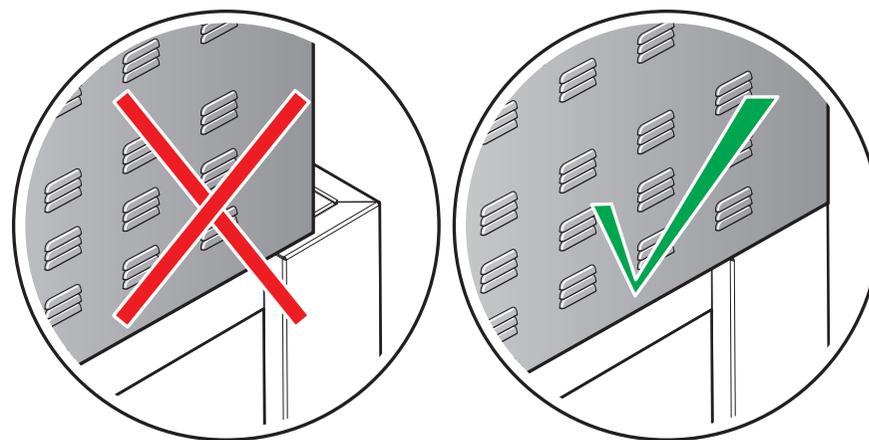
## Michelangelo ML 435

	Units of measurement	Models	
		single	double
Pizza cooking capacity	No.	4 (ø350mm) 1 (ø500mm)	4+4 (ø350mm) 1+1 (ø500mm)
Power supply (50/60 Hz)	Volt	AC 230 EU AC 3 N400 EU AC 3 230 EU AC 3 208 USA	
Maximum absorption	kW max	5,8	11,6
Connecting cable (n x mm <sup>2</sup> )	<b>Cable type:</b> single-phase 230V: H07RN-F 3G4 three-phase 400V: H07RN-F 5G1 three-phase 230V: H07RN-F 4G1,5 three-phase 208V: 15/4 SOOW CABLE		
Minimum protection onboard customer's panel (n x A)	single phase 230V Europe n x A	2 x 32*	
	three-phase 3Nx400V Europe n x A	4 x 16*	
	three-phase 3x230V Europe n x A	3 x 16*	
	three-phase 3x208V America n x A	3 x 16*	
Average consumption	kWh	3,5	7,0
Net weight	kgs	140	245
External packaging dimensions	Width (mm)	1200	1200
	Depth (mm)	1200	1200
	Height (mm)	620	960

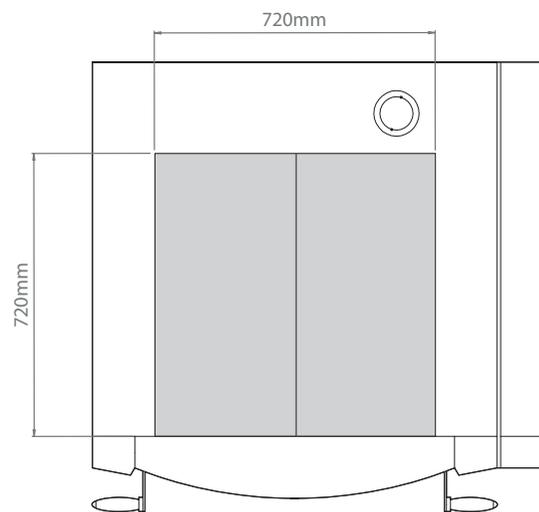
\* Warning: the values indicated refer to an oven chamber.  
The double chamber ovens also have a double inlet (2 separate entrances), so the cable sections will always be those of the single chamber (but with two distinct strings)

## ALIGNMENT OF THE OVEN WITH THE SUPPORT

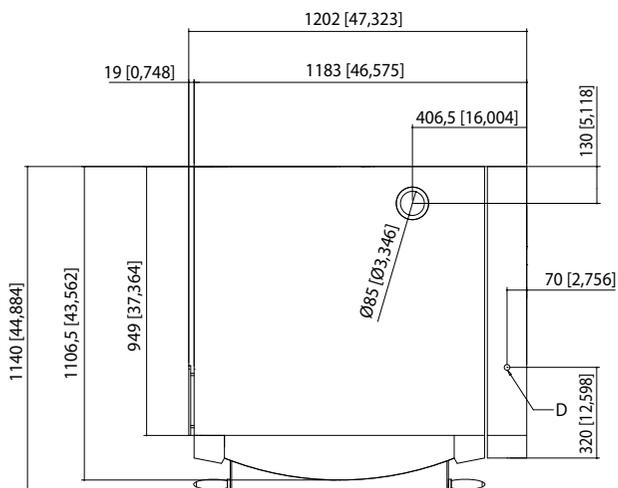
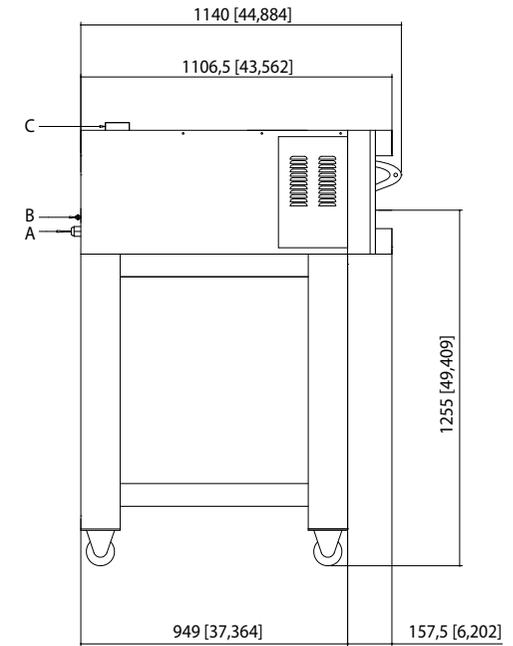
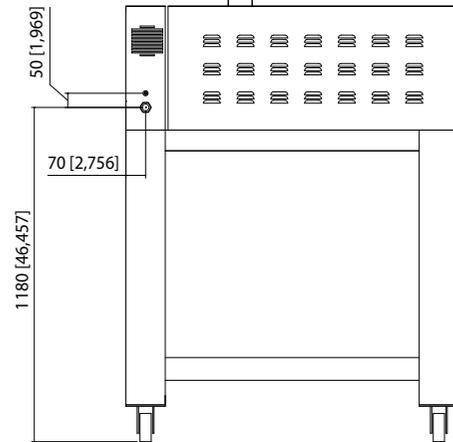
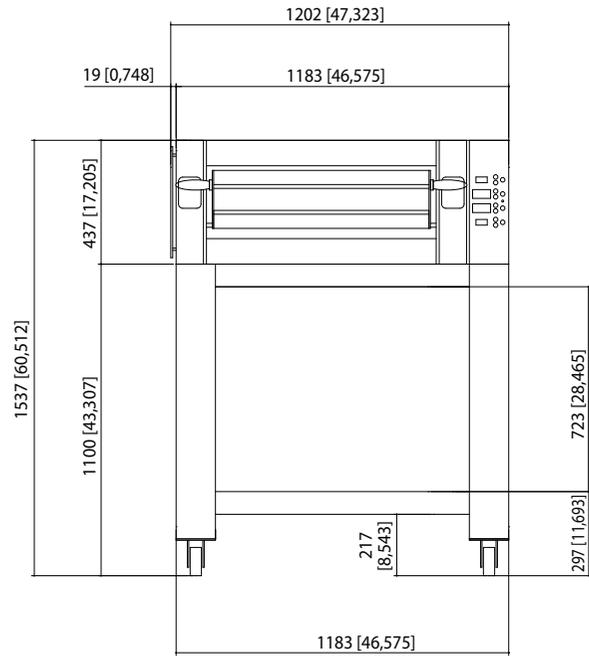
If the Michelangelo oven is to be placed on a Cuppone support, make the oven corners match those of the support.



## COOKING CHAMBER DIMENSIONS

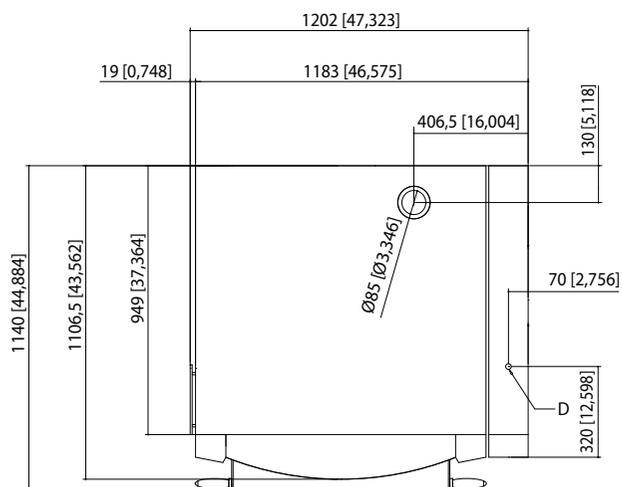
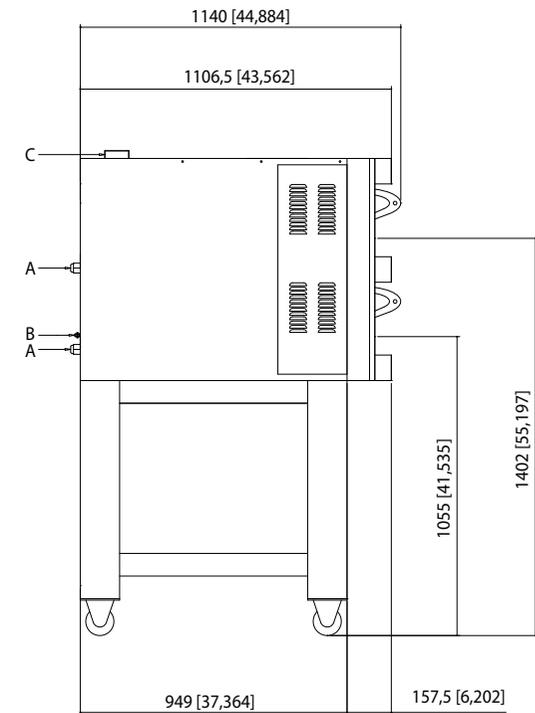
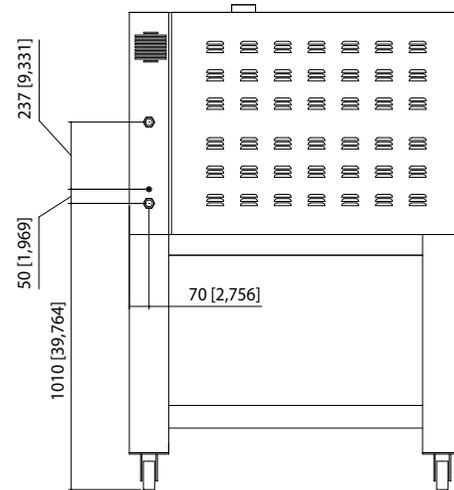
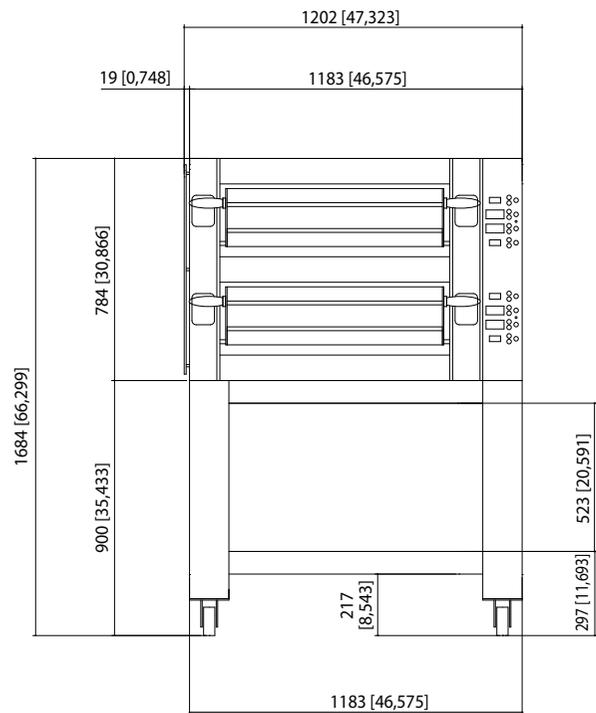


# Michelangelo ML 435/1



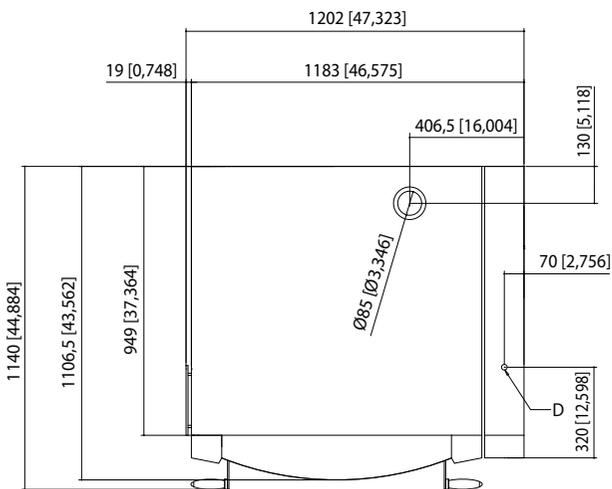
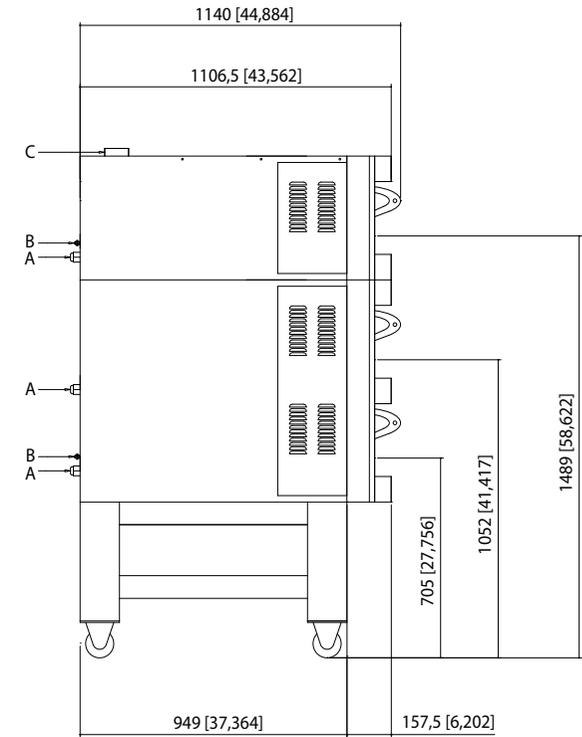
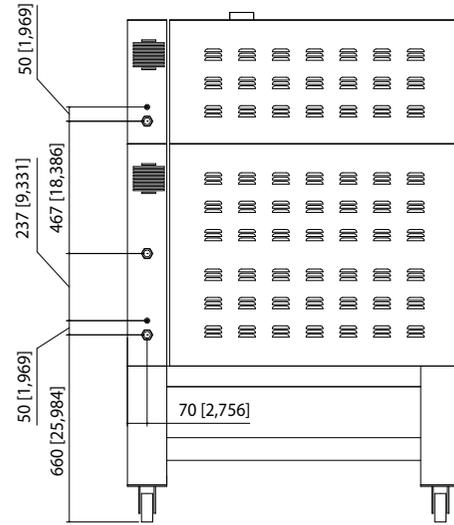
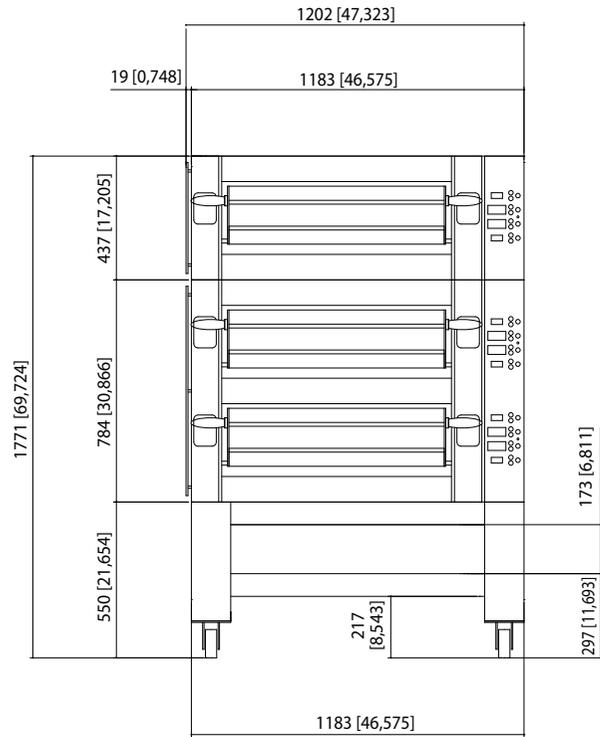
A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

## Michelangelo ML 435/2



A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

# Michelangelo ML 435/3



A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

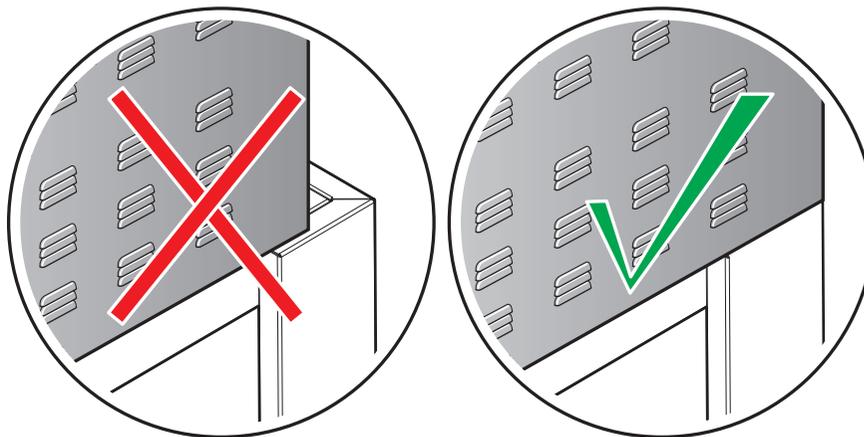
## Michelangelo ML 635

	Units of measurement	Models	
		single	double
Pizza cooking capacity	No.	6 (ø350mm) 2 (ø500mm)	6+6 (ø350mm) 2+2 (ø500mm)
Power supply (50/60 Hz)	Volt	AC 3 N400 EU AC 3 230 EU AC 3 208 USA	
Maximum absorption	kW max	8,4	16,8
Connecting cable (n x mm <sup>2</sup> )	<b>Cable type:</b> three-phase 400V: H07RN-F 5G1,5 three-phase 230V: H07RN-F 4G2,5 three-phase 208V: 13/4 SOOW CABLE		
	three-phase 3Nx400V Europe n x A	4 x 16*	
	three-phase 3x230V Europe n x A	3 x 25*	
	three-phase 3x208V America n x A	3 x 25*	
Average consumption	kWh	5,0	10,0
Net weight	kgs	179	310
External packaging dimensions	Width (mm)	1200	1200
	Depth (mm)	1560	1560
	Height (mm)	620	960

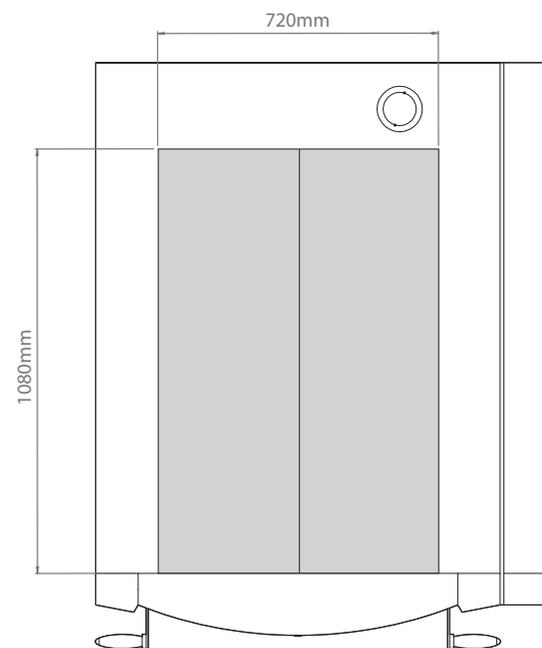
\* Warning: the values indicated refer to an oven chamber.  
The double chamber ovens also have a double inlet (2 separate entrances), so the cable sections will always be those of the single chamber (but with two distinct strings)

### ALIGNMENT OF THE OVEN WITH THE SUPPORT

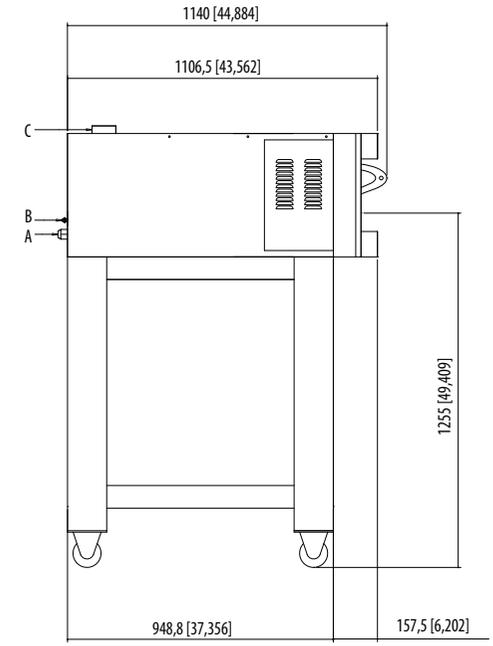
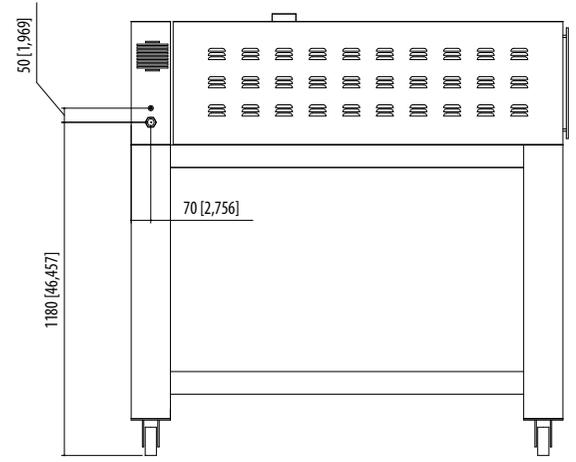
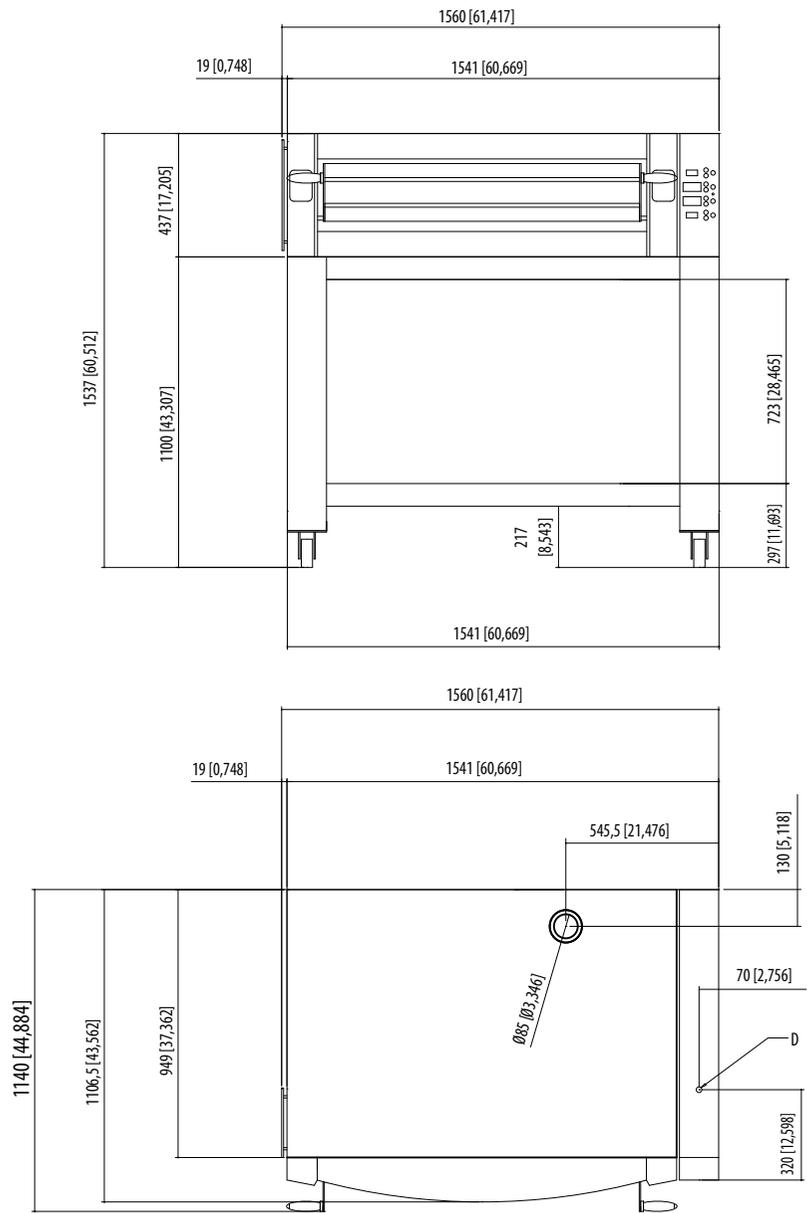
If the Michelangelo oven is to be placed on a Cuppone support, make the oven corners match those of the support.



### COOKING CHAMBER DIMENSIONS



# Michelangelo ML 635/1



A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input





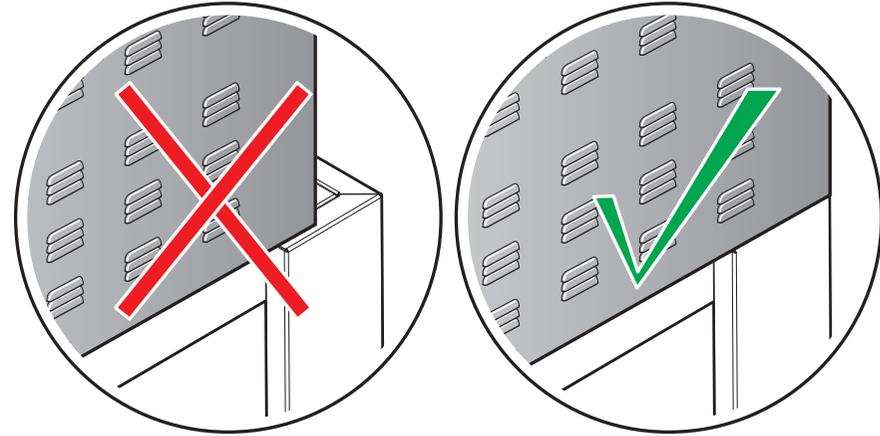
## Michelangelo ML 635L

	Units of measurement	Models	
		single	double
Pizza cooking capacity	No.	6 (ø350mm) 2 (ø500mm)	6+6 (ø350mm) 2+2 (ø500mm)
Power supply (50/60 Hz)	Volt	AC 3 N400 EU AC 3 230 EU AC 3 208 USA	
Maximum absorption	kW max	8,6	17,2
Connecting cable (n x mm <sup>2</sup> )	<b>Cable type:</b> three-phase 400V: H07RN-F 5G1,5 three-phase 230V: H07RN-F 4G2,5 three-phase 208V: 13/4 SOOW CABLE		
	three-phase 3Nx400V Europe n x A	4 x 16*	
	three-phase 3x230V Europe n x A	3 x 25*	
	three-phase 3x208V America n x A	3 x 25*	
Average consumption	kWh	5,2	10,4
Net weight	kgs	183	316
External packaging dimensions	Width (mm)	1560	1560
	Depth (mm)	1200	1200
	Height (mm)	620	960

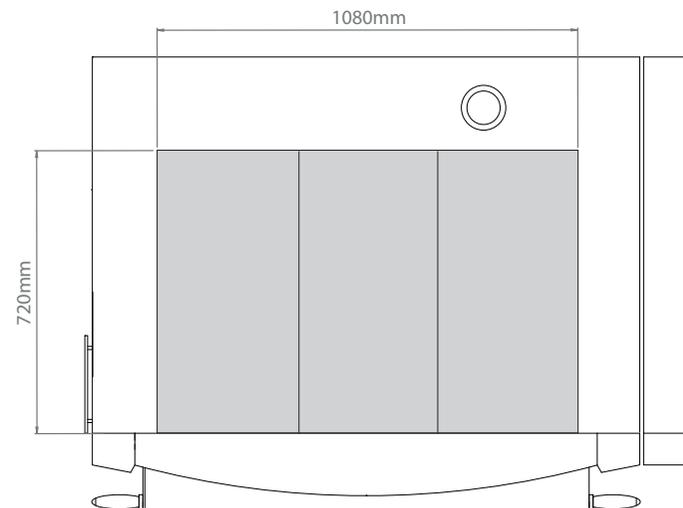
\* Warning: the values indicated refer to an oven chamber.  
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### ALIGNMENT OF THE OVEN WITH THE SUPPORT

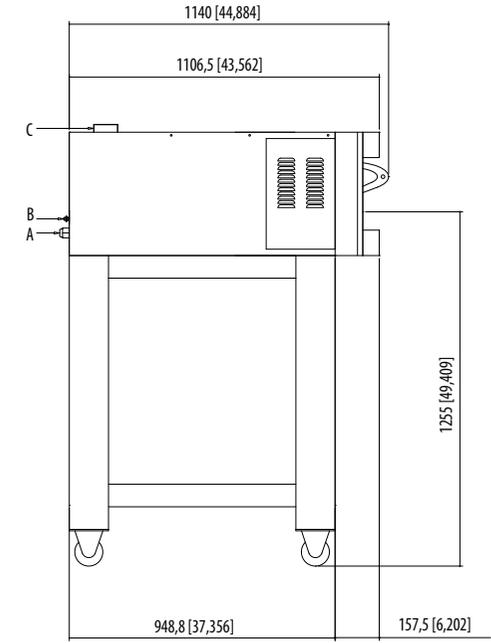
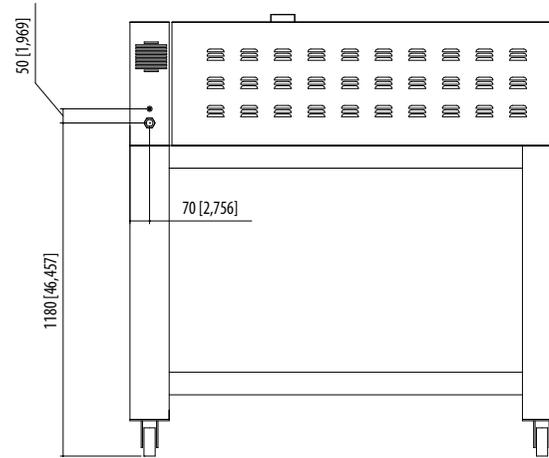
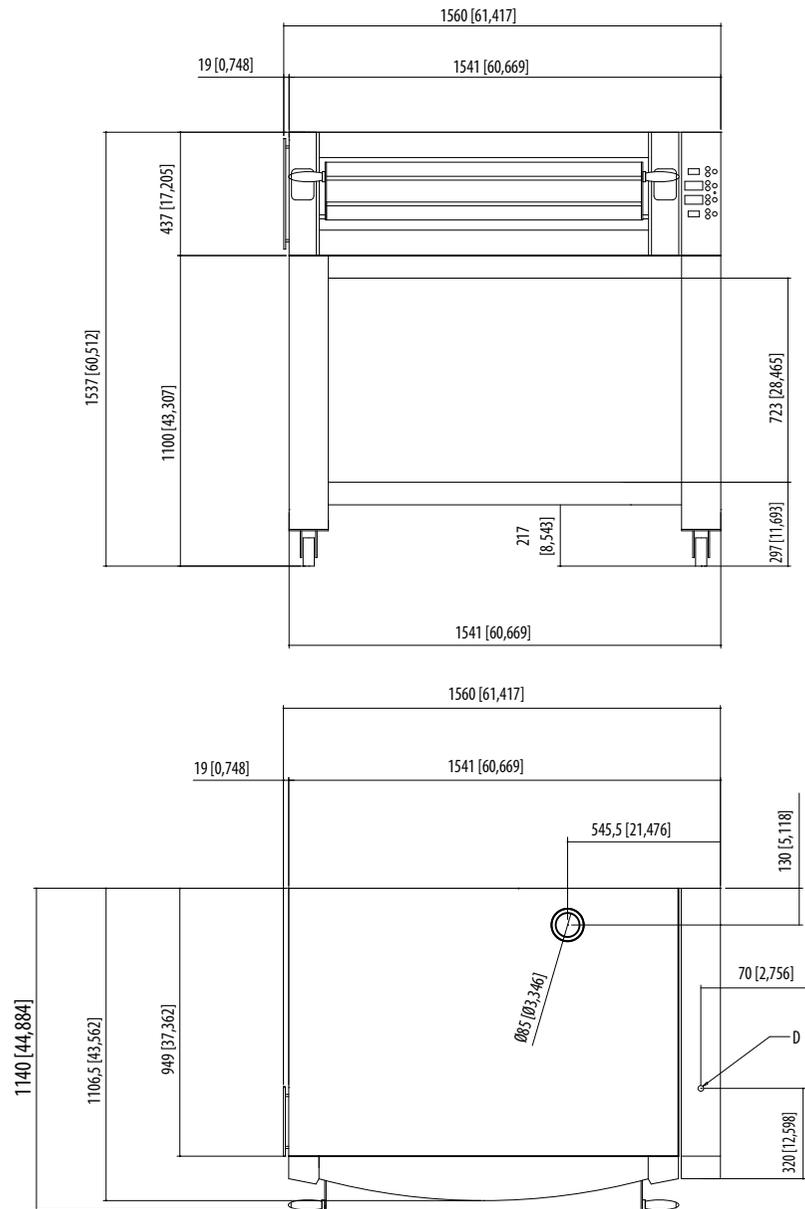
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### COOKING CHAMBER DIMENSIONS

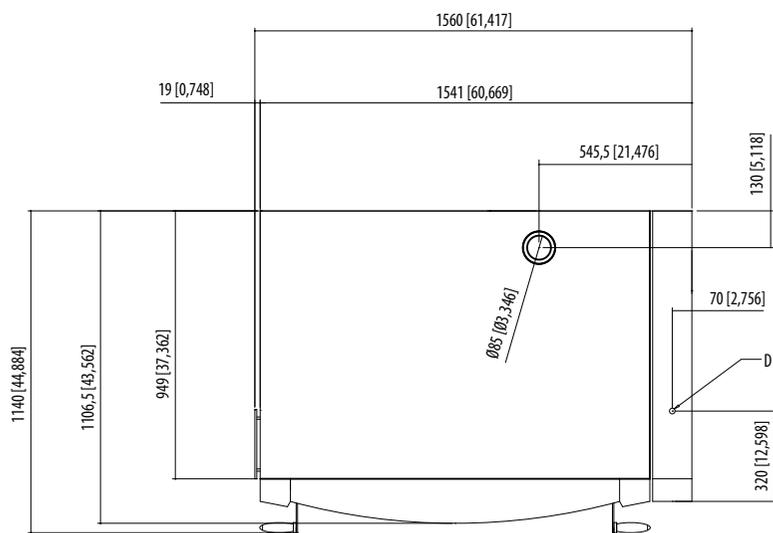
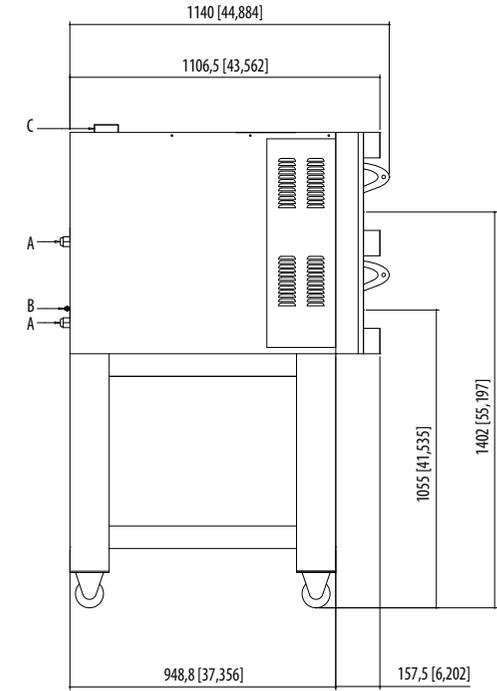
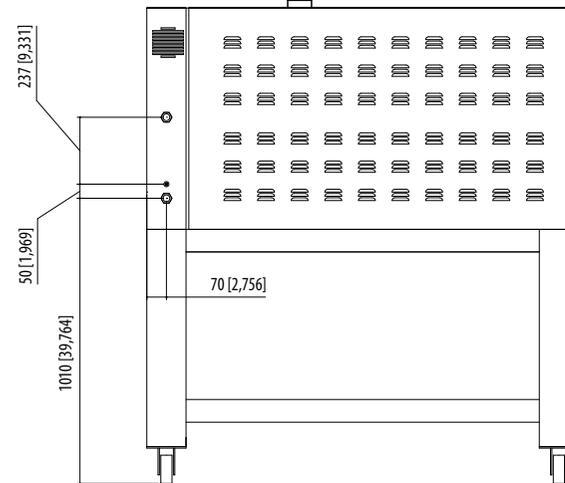
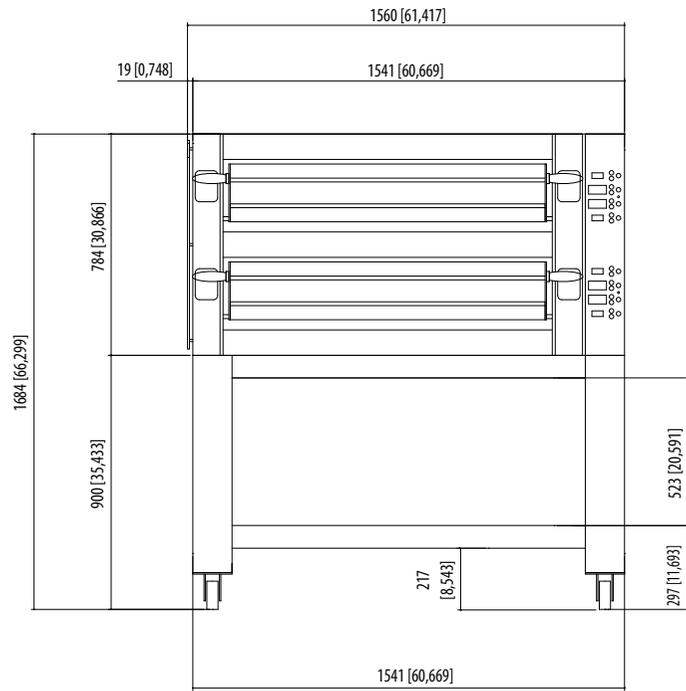


# Michelangelo ML 635L/1



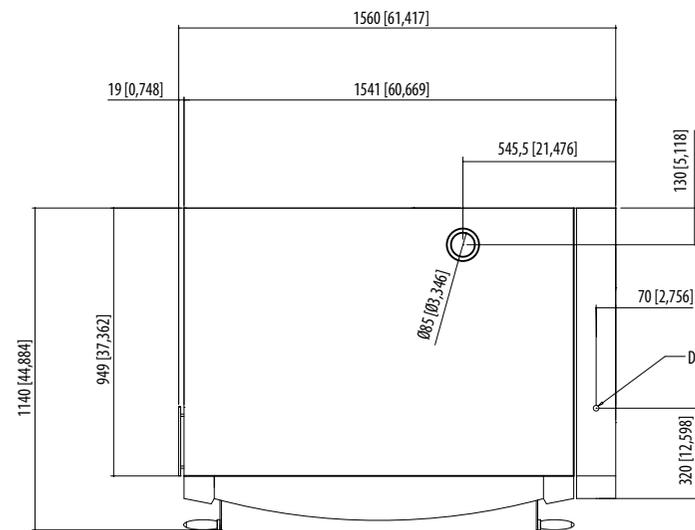
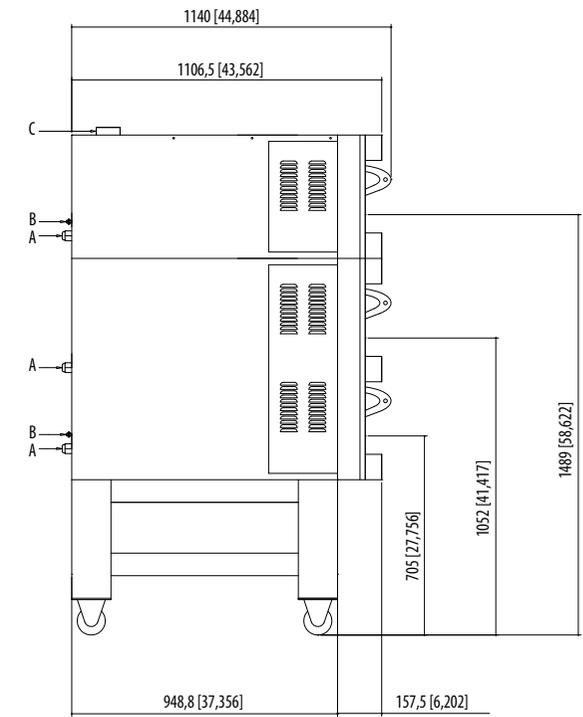
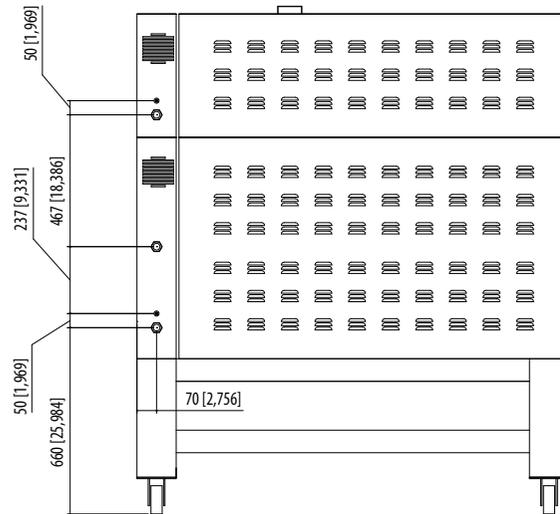
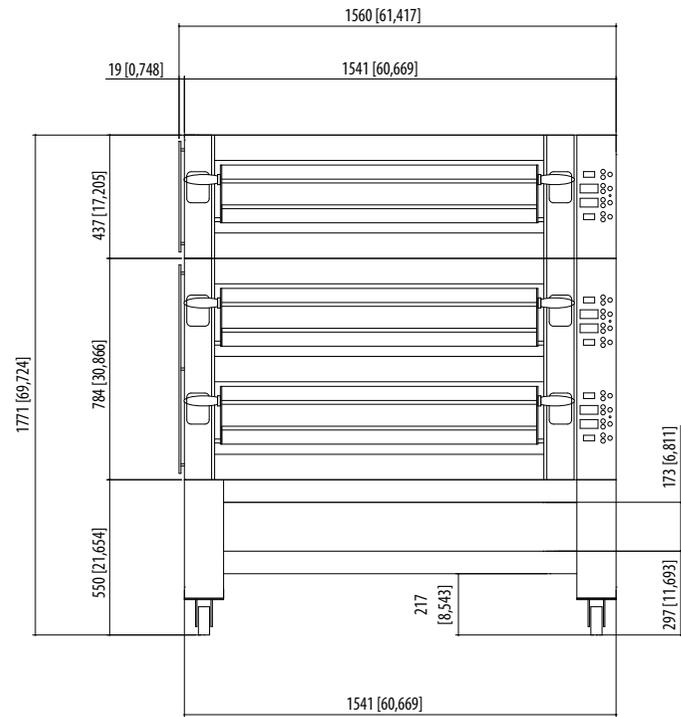
A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

## Michelangelo ML 635L/2



A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

# Michelangelo ML 635L/3



A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input

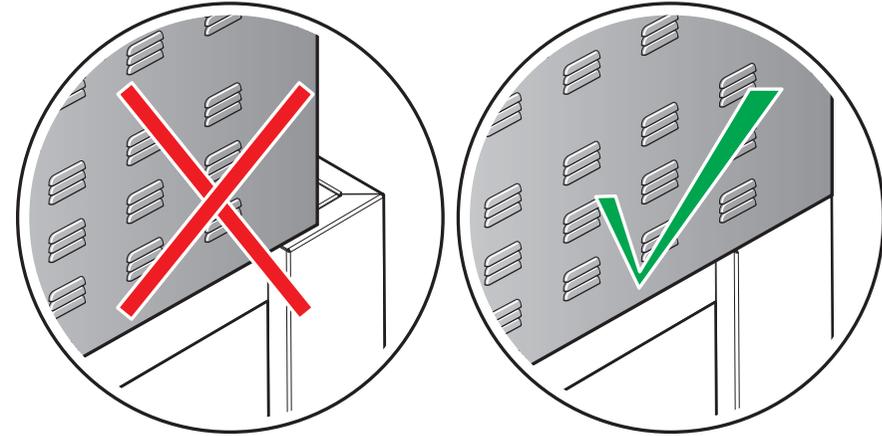
## Michelangelo ML 935

	Units of measurement	Models	
		single	double
Pizza cooking capacity	No.	9 (ø350mm) 4 (ø500mm)	9+9 (ø350mm) 4+4 (ø500mm)
Power supply (50/60 Hz)	Volt	AC 3 N400 EU AC 3 230 EU AC 3 208 USA	
Maximum absorption	kW max	12,6	25,2
Connecting cable (n x mm <sup>2</sup> )	<b>Cable type:</b> three-phase 400V: H07RN-F 5G2,5 three-phase 230V: H07RN-F 4G4 three-phase 208V: 9/4 SOOW CABLE		
	three-phase 3Nx400V Europe n x A	4 x 20*	
	three-phase 3x230V Europe n x A	3 x 32*	
	three-phase 3x208V America n x A	3 x 40*	
Average consumption	kWh	7,6	15,2
Net weight	kgs	233	405
External packaging dimensions	Width (mm)	1560	1560
	Depth (mm)	1560	1560
	Height (mm)	620	960

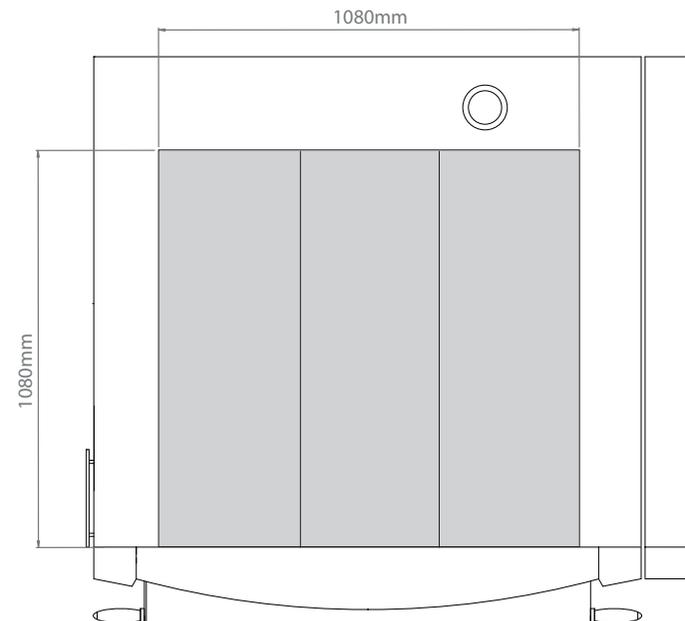
\* Warning: the values indicated refer to an oven chamber.  
The double chamber ovens also have a double inlet (2 separate entrances), so the cable sections will always be those of the single chamber (but with two distinct strings)

### ALIGNMENT OF THE OVEN WITH THE SUPPORT

If the Michelangelo oven is to be placed on a Cuppone support, make the oven corners match those of the support.

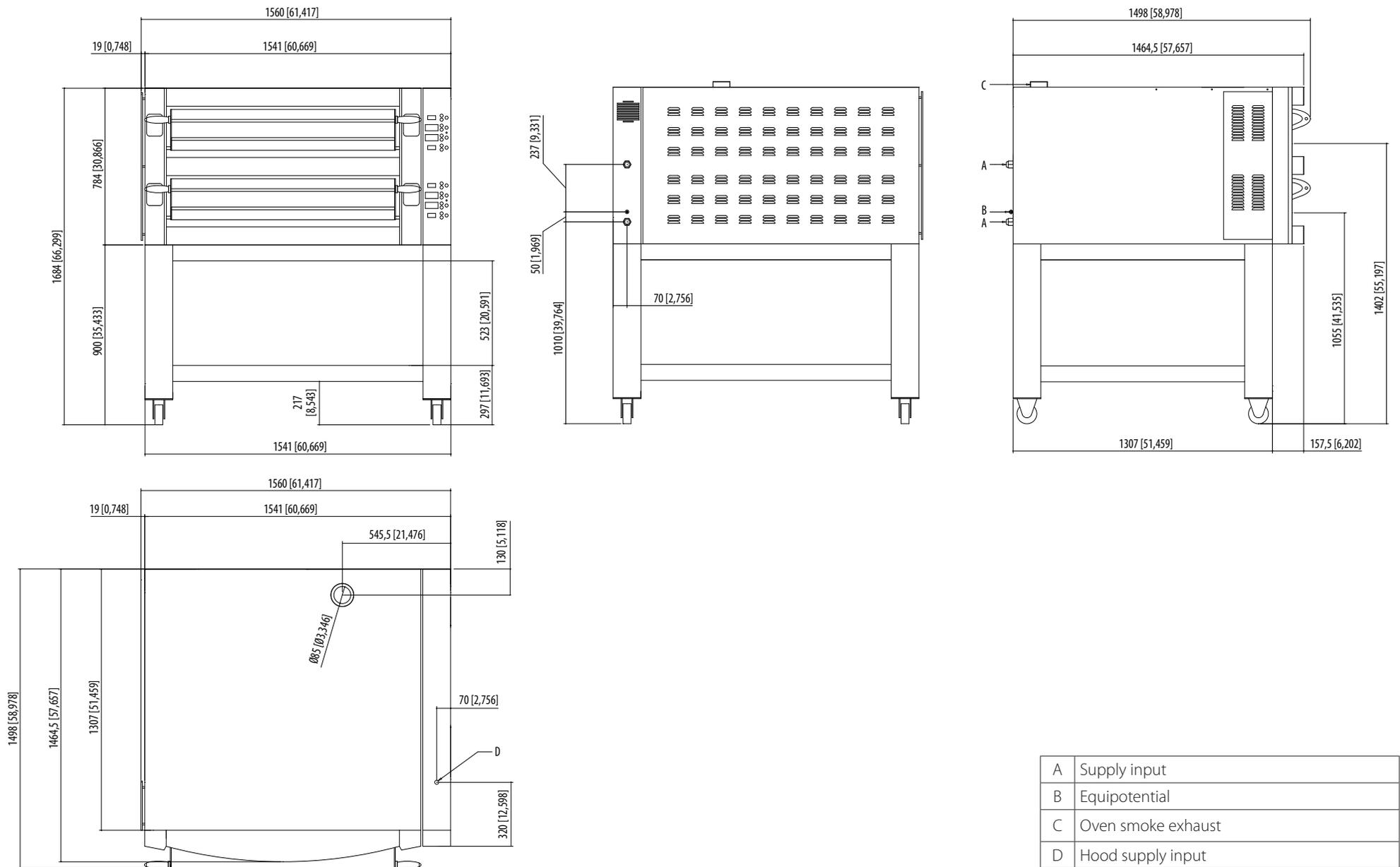


### COOKING CHAMBER DIMENSIONS

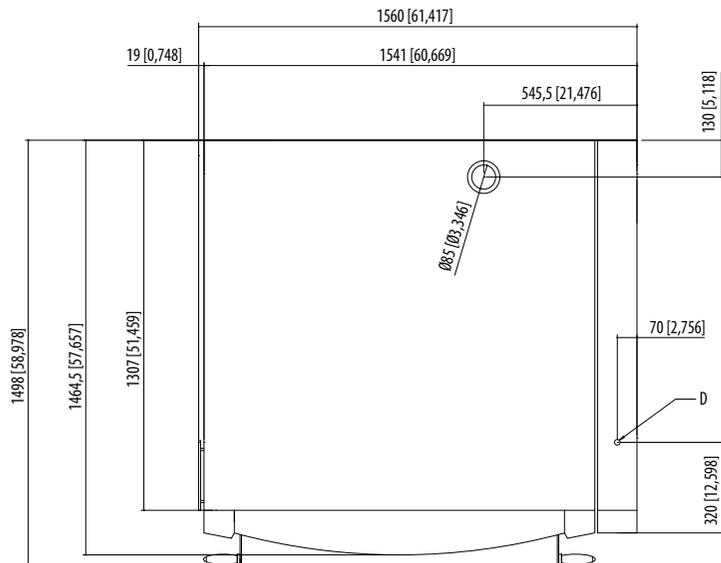
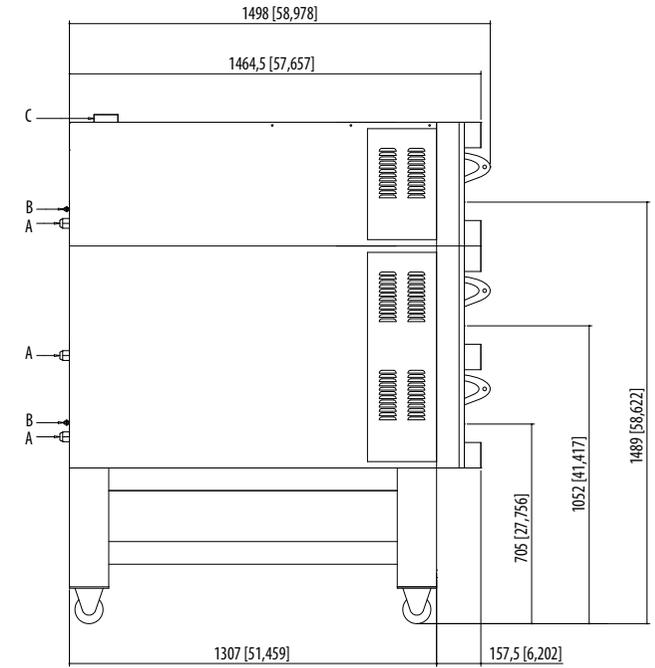
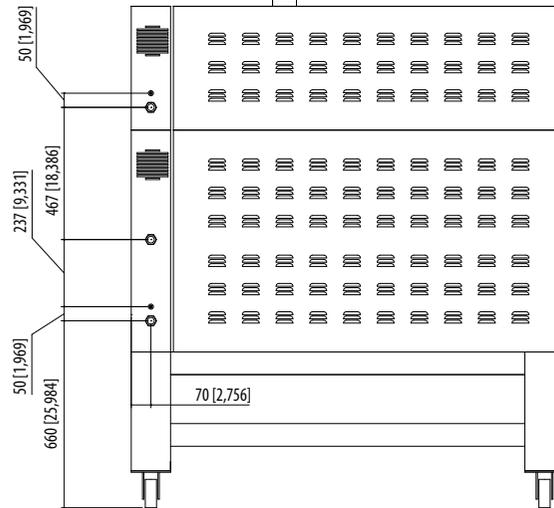
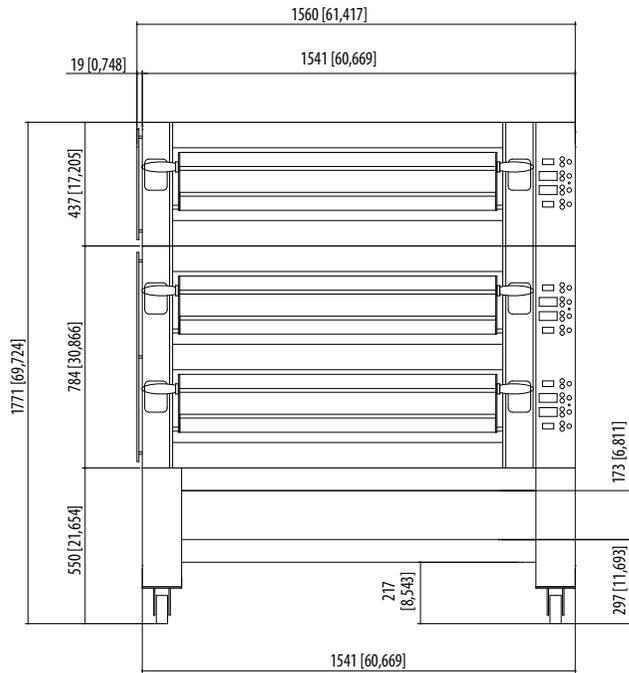




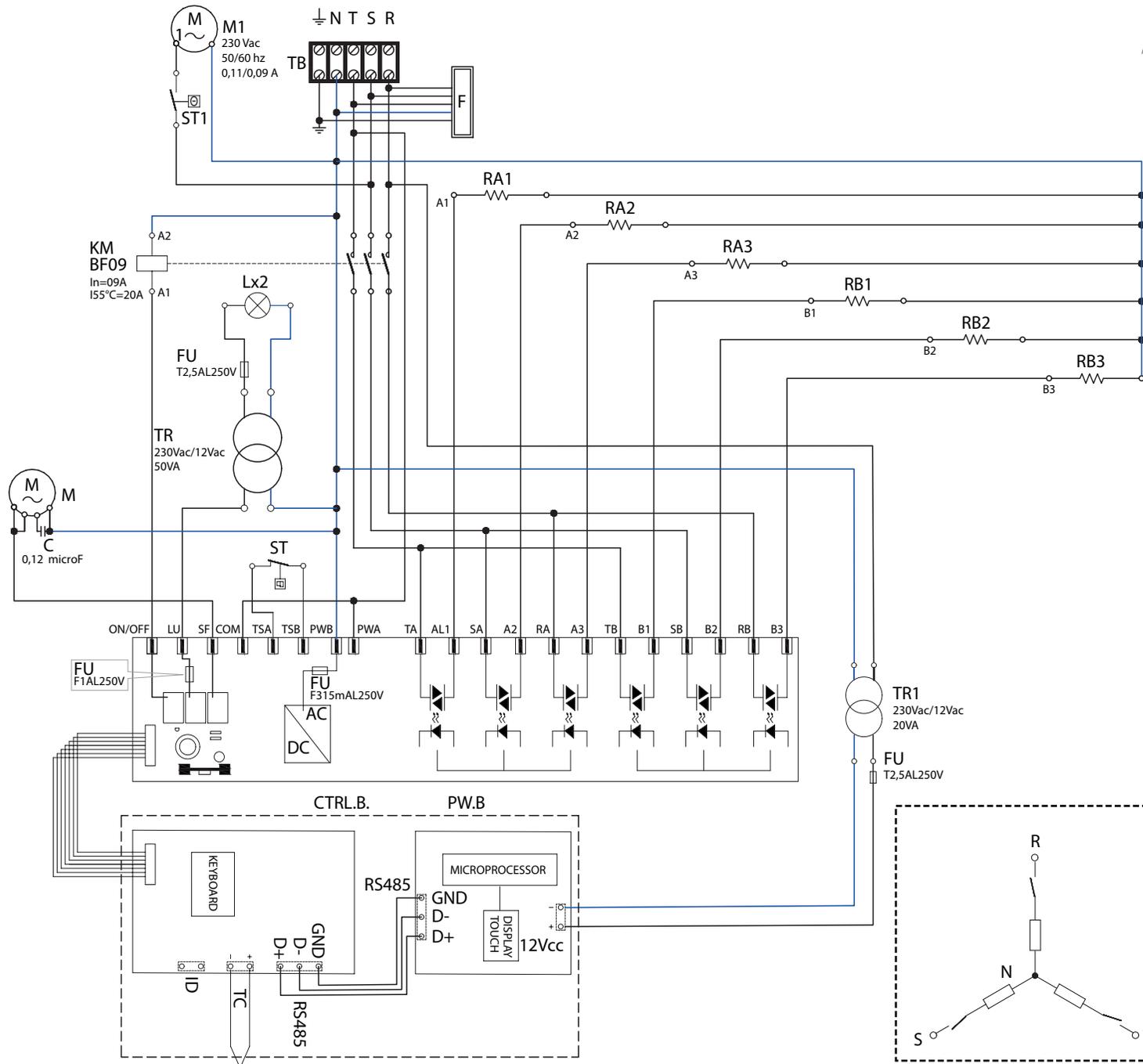
## Michelangelo ML 935/2



# Michelangelo ML 935/3



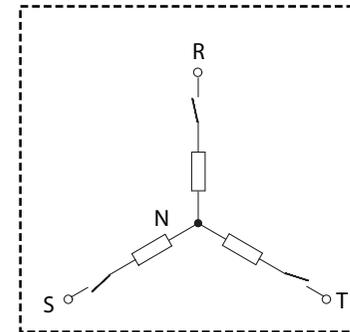
A	Supply input
B	Equipotential
C	Oven smoke exhaust
D	Hood supply input



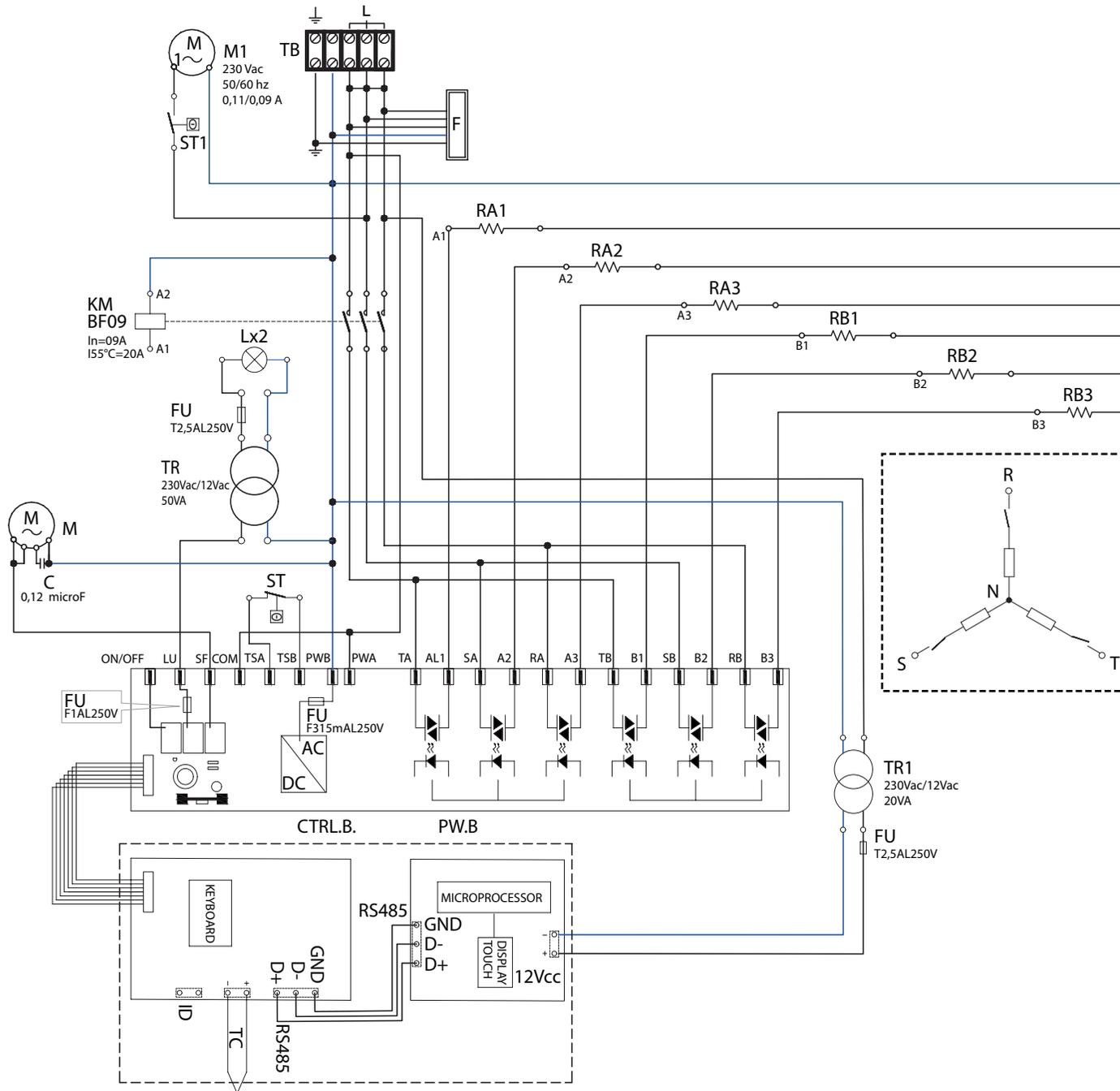
## AC 3 N400 mod. TS



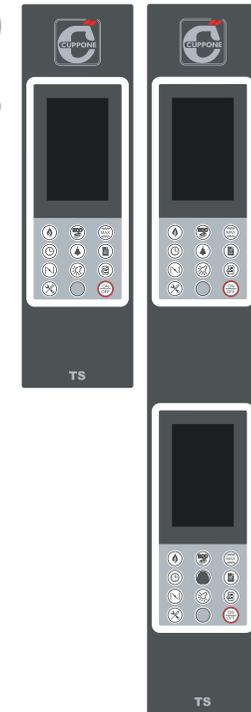
Abbreviation	Description
CTRL.B	Oven control board
C	Motor start capacitor
F	Noise filter
FU	Fuses
ID	Digital input for remote ignition
KM	Contactur BF09-MC09
L	Cooking chamber lights
M1	Board cooling fan motor
M	Chimney opening motor
PW.B	Power board
RA1,2,3	Top resistors
RB1,2,3	Bottom resistors
ST	Safety thermostat
ST1	Cooling fan klixon
TB	Terminal board
TC	Thermocouple
TR	Light transformer 50VA, 230/12Vac
TR1	Transformer 20VA, 230/12Vac



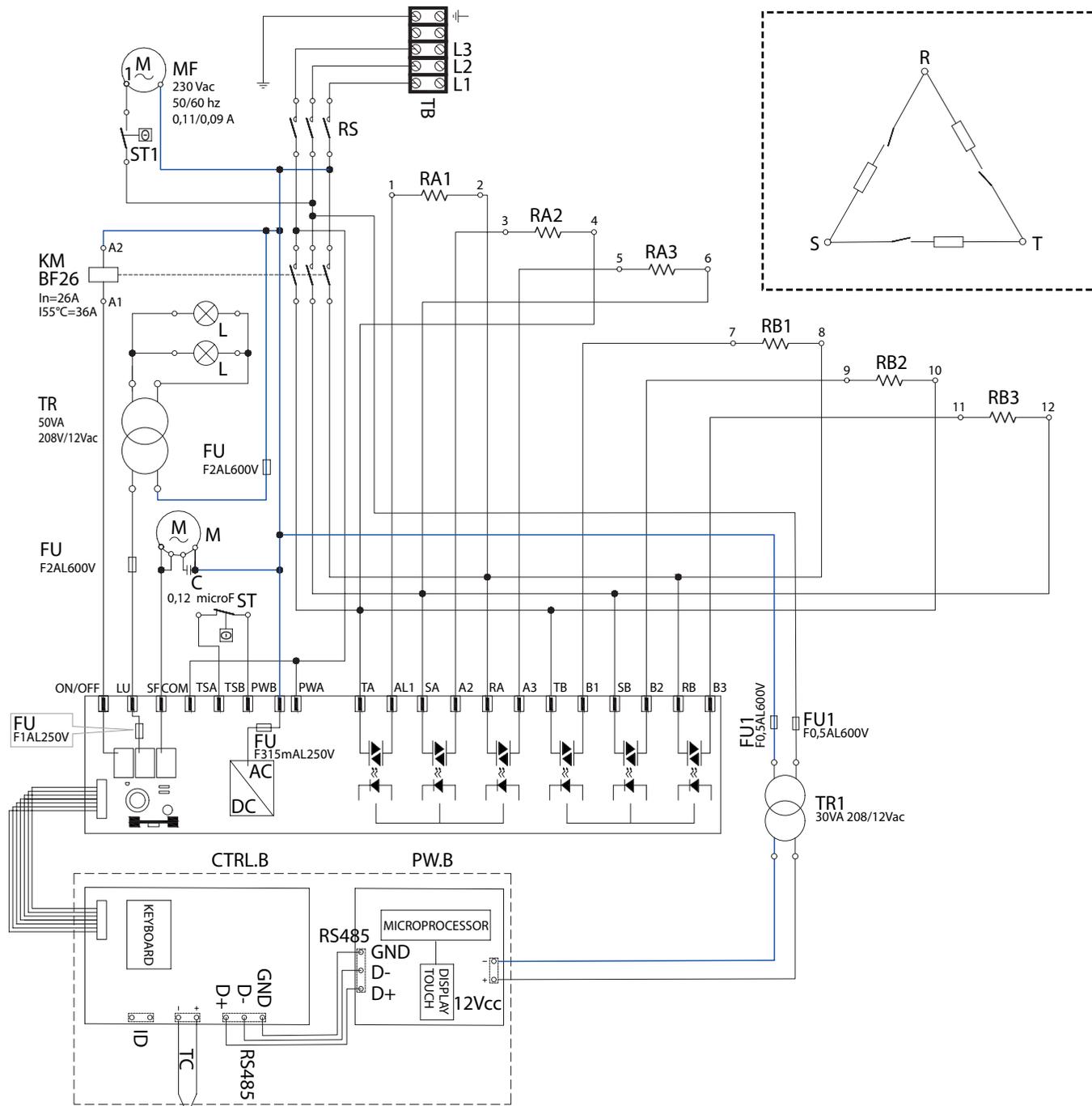
# Wiring diagrams



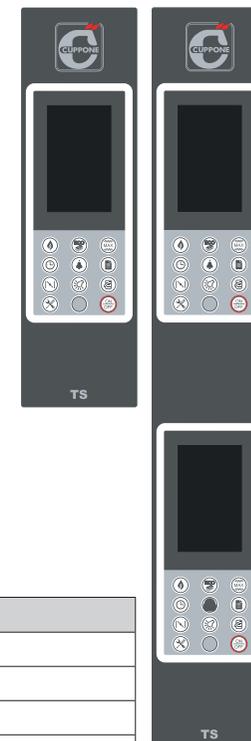
## AC 230 mod. TS



Abbreviation	Description
CTRL.B	Oven control board
C	Motor start capacitor
F	Noise filter
FU	Fuses
ID	Digital input for remote ignition
KM	Contactur BF09-MC09
L	Cooking chamber lights
M1	Board cooling fan motor
M	Chimney opening motor
PW.B	Power board
RA1,2,3	Top resistors
RB1,2,3	Bottom resistors
ST	Safety thermostat
ST1	Cooling fan klixon
TB	Terminal board
TC	Thermocouple
TR	Light transformer 50VA, 230/12Vac
TR1	Transformer 20VA, 230/12Vac



# AC 3 208 mod. TS



Abbreviation	Description
CTRL.B	Oven control board
C	Motor start capacitor
F	Noise filter
FU	Fuse ULTK 600V 2A
FU1	Fuse ULTK 600V 0.5A
ID	Digital input for remote ignition
KM	Contactore BF26-MC32
L	Cooking chamber lights
MF	Fan
M	Chimney opening motor
PW,B	Power board
RA1,2,3	Top resistors
RB1,2,3	Bottom resistors
RS	Rotary switch
ST	Safety thermostat
ST1	Cooling fan klixon
TB	Terminal board
TC	Thermocouple
TR	Light transformer 50VA, 208/12Vac
TR1	Transformer 30VA, 208/12Vac



## CUPPONE 1963

Cuppone F.lli S.r.l.

Via Sile, 36

31057 Silea (TV) - ITALY

T +39 0422 361143

F +39 0422 360993

info@cuppone.com - www.cuppone.com

