

CONNECTING THE POWER SUPPLY

The machine is designed to operate under single-phase 230 V~ voltage and is protected by 15 A fuses on each phase and on neutral.

Considering the power absorbed by the machine, it is advisable to connect it to a three-phase 400 V 3N line; a line with the following characteristics can be used for the power connection:

- Three-phase + N 400 V~ 50 Hz (recommended)
(see Fig. 1)
- Single-phase 230 V~ 50 Hz (see Fig. 2 and 3)

The machine is supplied without power cable; for connection to the power grid use only cables type H05 VV-F or H05 VV H2-F with adequate section. Before making the connection ensure that the ratings correspond to those of the power grid, and more specifically that the supply voltage rating is within the range recommended for the connection points

A main switch, suitable for withstanding the required peak load required, must be located within easy reach, and at the same time must ensure proper omnipolar disconnection from the power grid with the opening gap of the contacts of at least 3 mm.

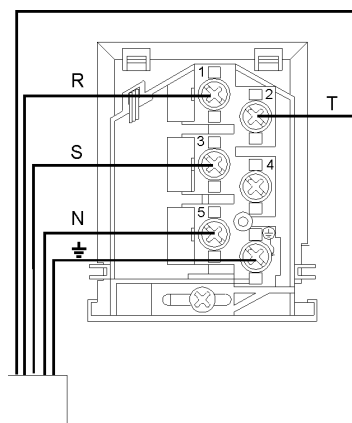
The machine electrical connections must be permanent. Do not use adapters, multiple sockets and/or extensions.

The electrical safety of the machine is ensured only when it is correctly earthed according to the safety regulations in force.

This fundamental safety requirement must be duly verified, and if in doubt the system must be carefully tested by qualified technicians.

The power cable must be connected to the specific terminal box located on the back panel of the machine, ensuring correct position of the phases as indicated in the diagrams.

Fig. 1



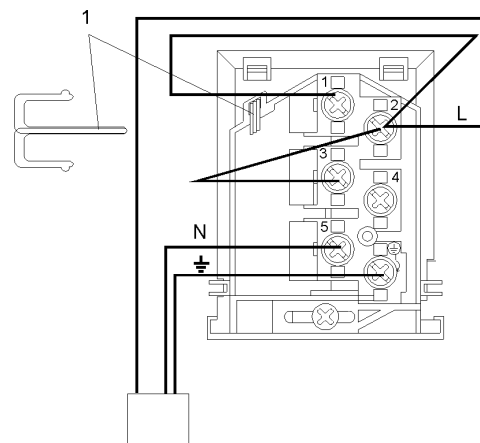
Three-phase + N connection

400 V*3N~ 50 Hz 11.8 A 5850 W
5 x 1,5 mm² cable

If a three-phase line is not available, the machine may be connected to a 230 V~ single-phase line, only after it is checked by qualified technicians to ensure that it is adequately sized for withstanding the required load of 5850 W.

The electrical connection, as indicated in the diagram of Fig. 2, is made using the special plates housed in the terminal box as jumpers.

Fig. 2
1 - Plates



Single-phase connection

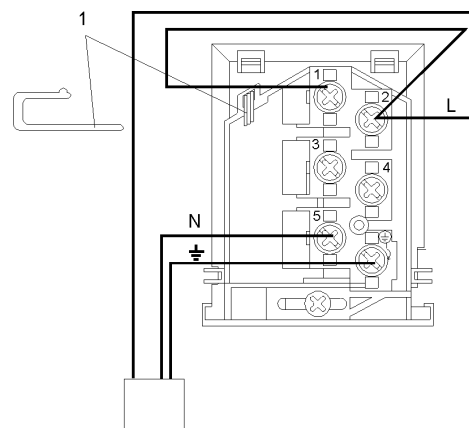
230 V~ 50 Hz 26 A 5850 W
3 x 4 mm² cable

If the line is not suitable for withstanding a load of 5850 W, it is possible to reduce the absorbed power to 3150 W, by excluding one of the two heating elements in the instant product boiler when making the electrical connection.

In this case the performance of the machine regarding hot water output will be halved.

The electrical connection, as indicated in the diagram of Fig. 3, is made using the special plate housed in the terminal box as jumper.

Fig. 3
1 - Plates



Single-phase connection

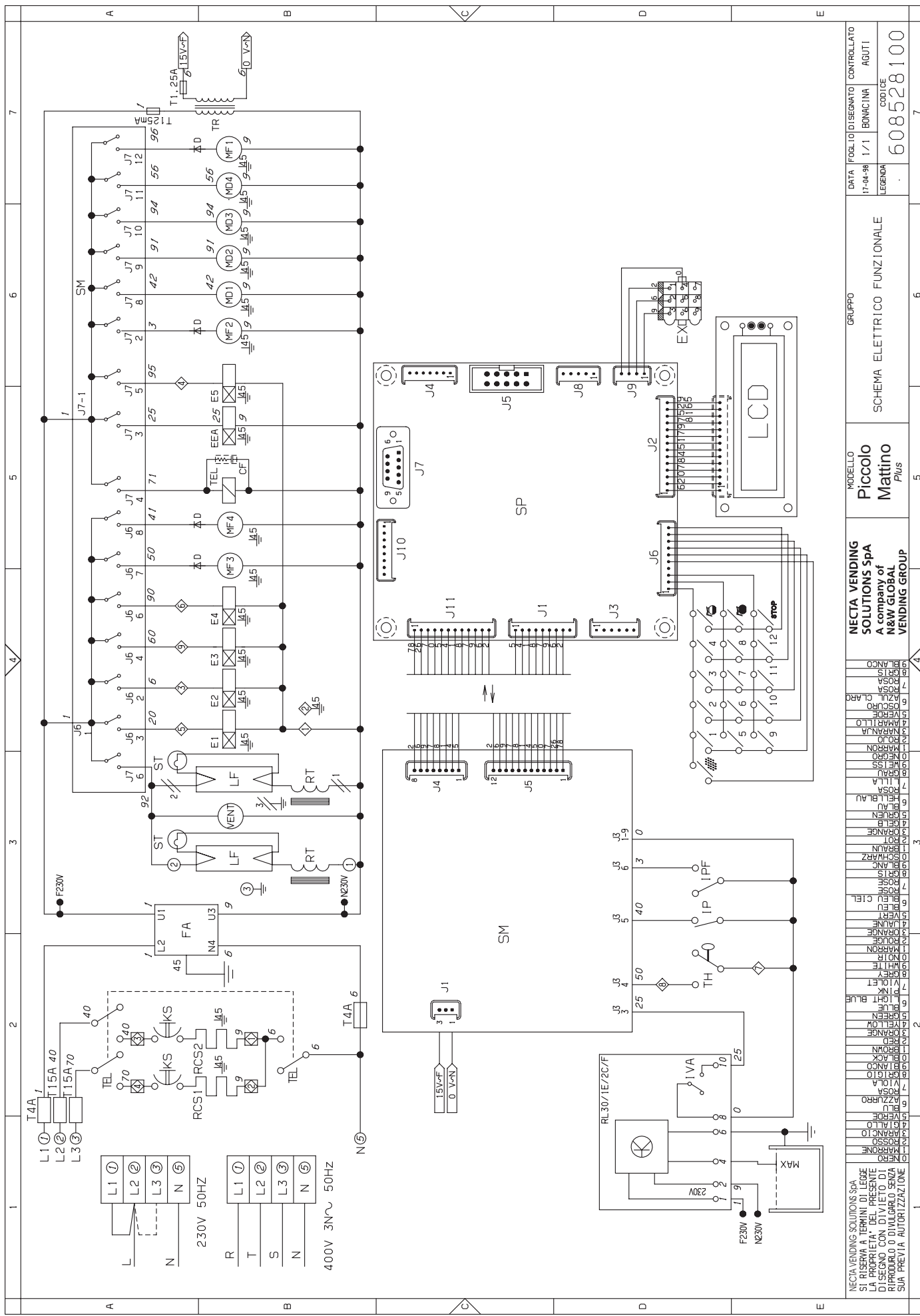
230 V~ 50 Hz 13 A 3150 W
3 x 1,5 mm² cable

The electrical connection must be made ensuring correct position of the phases as indicated in the diagram; the machine may not function with a different connection.

THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR ANY DAMAGE CAUSED BY THE NON-COMPLIANCE WITH THE ABOVE MENTIONED PRECAUTIONS.

WIRING DIAGRAM LEGEND

INITIALS	DESCRIPTION	INITIALS	DESCRIPTION
D	DIODE		
E1-...	INSTANT SOLENOID VALVE		
EEA	WATER INLET SOLENOID VALVE		
EX	EXECUTIVE COIN MECH CONNECTOR		
FA	RADIO INTERFERENCE SUPPRESSOR		
IP	DOOR SWITCH		
IPF	WASTE CONTAINER OVERFLOW SWI		
IVA	EMPTY BOILER MICRO-SWITCH		
KS	BOILER CUTOFF SWITCH		
LCD	LIQUID CRYSTAL DISPLAY		
LF	LAMP		
MAX	WATER LEVEL SENSOR		
MD1-..	INGREDIENT MOTOR - INSTANT		
MF1-..	WHIPPER MOTORS		
RCS	INSTANT BOILER HEATING ELEMENT		
RL30	WATER LEVEL CONTROL		
RT	BALLAST		
SM	CONTROL BOARD		
SP	PUSH-BUTTON BOARD		
ST	STARTER		
TEL	REMOTE CONTROL SWITCH		
TH	THERMOSTAT		
TR	TRANSFORMER		
TX....	DELAYED FUSE (X=COURRENT)		
VENT	FAN		



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MODELLO Piccolo Mattino Plus		GRUPPO		DATA 17-04-98	FUOGLIO DI SEGNAIO 1/1
LEGGENDA		CODICE 608528100			

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 RIPRODURLO O DIVULGARLO SENZA
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