

Connection side channel blower 230 V

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The **connection** of the **side channel blower** may only be realized by **electrotechnical qualified personnel!**

A **wrong connection** will **damage** the **capacitor** or the whole **side channel blower** and the **warranty claim expires**. The 230 V/AC may be **connected in no case parallel** to the **capacitor**. Improper installation or operation of the device may damage the electronics or the machine and may **endanger** the **health** of the operating personnel.

Please consult our technical department if there are any obscurities.

Vorgehensweise:

- Open the wiring board. The motor windings and the capacitor are already connected. (see Fig. 1 and Fig. 2)



Fig. 1

Capacitor-Connection at U1 and V1

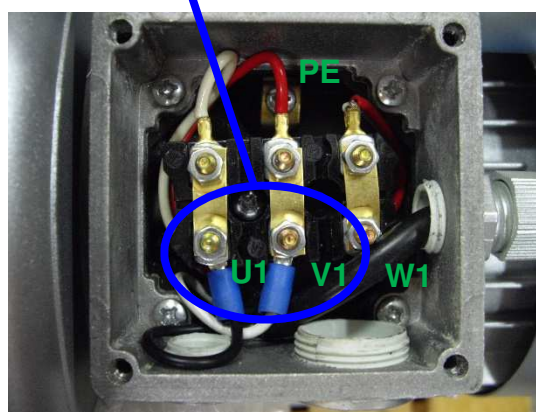


Fig. 2

- Insert the 230 V connecting cable (see Fig. 3)
- The protective conductor (green / yellow) is connected to the screw provided for this purpose (see Fig. 4)
- The connection wires L / N (depending on the cable black and labeled with numbers or brown / black and blue) must be connected to the terminals V1 and W1 (see Fig. 4)



Fig. 3



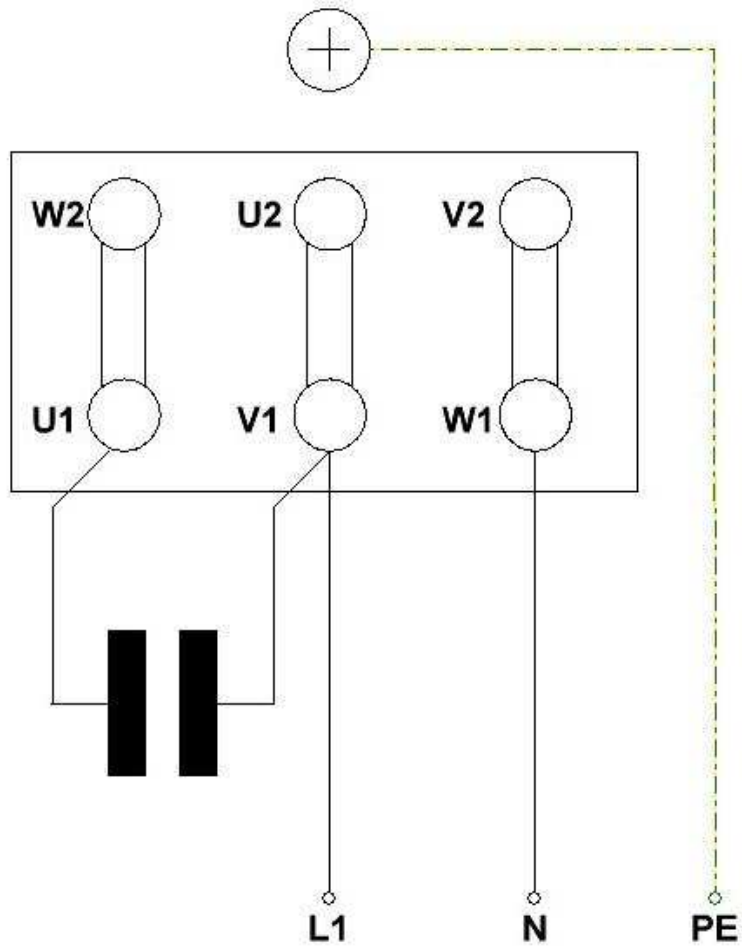
Fig. 4

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Connection diagram:





Safety measures:

A suitable circuit breaker must be fitted to the connecting cable of the motor to ensure protection of the cable and to be able to disconnect the machine from the mains.

To ensure proper operation, the machine must be installed indoors, in a clean, dry, well-ventilated and non-corrosive environment. Make sure there is always good ventilation in the room. Even in summer, the room temperature in the entire environment of the machine must be kept below 40°C.

Always attach the machine with the feet on a solid surface.

Make sure the machine is properly grounded.



ATTENTION:

Do not carry wide clothes or hanging objects in the danger area of the machine.

Make sure that no unauthorized persons, children or animals are in the vicinity of the running machine. Never allow objects to get into the slots of the motor fan protective housing.

The machine surface can reach temperatures over 70°C. After switching off the machine and before carrying out any work, wait until the surface has cooled down.

The machine must under no circumstances be operated in explosive or dangerous environments.

Always protect the electric motor with a thermal circuit breaker or with a circuit breaker corresponding to the rating on the rating plate.



Recommendation for the vacuum operation:

It is recommended to install a suction-side safety valve to prevent the negative pressure from being higher than allowed for the engine.