

Product Information

Electrical Connection Values

SM518.3 / SM620.3 / SM720.3

The machines in the SMXXX.3 screening machine series are equipped with main drives in the power classes of 37 kW, 45 kW, and 75 kW. These drives are controlled by a frequency converter, allowing the use of 400 V, 50 Hz motors regardless of the on-site power supply (380–500 V).

Power	Rated Current	Reduced to	CEE-Outlet	Supply Line	Fuse protection
37 kW	66,8 A	90 % (60,1 A)	63 A	4G25 mm ²	3x 63A
45 kW	83,4 A	100% (83,4 A)	125 A	4G35 mm ²	3x 125A
75 kW	130 A	90 % (117 A)	125 A	4G35 mm ²	3x 125A

Connection via CEE connection box

The connection cables are already connected to the frequency converter (with built-in main switch) and are equipped with a CEE wall-mounted plug on the machine side. The connection cable to be provided by the customer must have a conductor cross-section as specified in the table. This connection cable must be a flexible cable and must be fused on site according to the table.

General Notes:

The power supply must be designed to prevent overvoltage and undervoltage. A deviation of max. 10% ± is permissible.

For safe operation of the machine, the ambient temperature must be between -10°C and 50°C. Conductive dust and condensation are not permitted.

A 4-wire power supply (L1, L2, L3, PE) is sufficient for operating the machine. If the on-site power supply is configured as a 5-wire system (L1, L2, L3, N, PE), ensure strict separation between the neutral conductor (N) and the protective conductor (PE).

Local technical and legal regulations governing system installation must be strictly observed.

Example: CEE wall-mounted plug



We reserve the right to make technical changes.

Doppstadt Umwelttechnik GmbH
