

Guide for electrical installation

Kodiak series

Requirement for installation

General requirements

The Kodiak series is designed for small industrial applications.

Mixers are intended to be connected to standard residential outlets.

Fuse requirements

Varimixer A/S recommends following local electrical code regarding the plug and fuse requirements.

Model	Voltage	Cable (standard) 17A rated	Internal fuse	Recommended external fuse	Notes
CR10	200–230 V	1.5 mm ²	12.5 A	C13 / 13A	For residential outlet use
CR20	200–230 V	1.5 mm ²	12.5 A	C13 / 13A	For residential outlet use
CR30	200–230 V	1.5 mm ²	15 A	C16 / 16A	For residential outlet use

AR Series

Requirement for installation

General requirements

All AR series mixers are built for industrial operations.

The mixer is built with the intent of using it with industrial outlets.

Fuse requirements

Varimixer A/S recommends following local electrical code regarding the plug and fuse requirements

Varimixer A/S recommends a C16 / 16A fuse for all models.

Varimixer A/S recommends a permanent connected installations box but termination and installation in standard industrial CEE 16/32A plug is acceptable. It is the responsibility of the local electrician to install a tariff fuse that doesn't exceed 16A for all models.

Model	Voltage	RCD type recommendation	Cable (standard)	Internal protection	Recommended external fuse	Notes
All models	208 – 480 V	Type A RCD or C16-RCBO	1.5 mm ²	Local safety fuses inside the electrical box	C16 / 16A	Permanent connection recommended. CEE 16/32A plug acceptable. Tariff fuse must not exceed 16A

VL5 series

Requirement for installation

General requirements

All models need to have a 300 mA Type B (AC/DC) RCD.

The built-in frequency inverter generates DC leakage currents; therefore, a Type B RCD (AC/DC sensitive, 300 mA) is mandatory.

Fuse requirements

Specification sheet for mixer size, fuse size and voltage ratings.

Size	Voltage	Required RCD	Cable (standard)	Recommended external fuse	Notes
60	200–230 V	Type B (AC/DC) 40A	2.5 mm ²	C13 / 13A	Max tariff fuse: 16A
60	380–480 V	Type B (AC/DC) 40A	2.5 mm ²	C10 / 10A	Max tariff fuse: 16A
100	200–230 V	Type B (AC/DC) 40A	2.5 mm ²	C20 / 20A	Max tariff fuse: 16A
100	380–480 V	Type B (AC/DC) 40A	2.5 mm ²	C13 / 13A	Max tariff fuse: 16A
140	200–230 V	Type B (AC/DC) 40A	6 mm ²	C30 / 30A (C25 / 25A)	Max tariff fuse: 32A
140	380–480 V	Type B (AC/DC) 40A	2.5 mm ²	C16 / 16A	Max tariff fuse: 16A

As a standard, all machine variants are delivered with 2.5mm² / AWG14 (Ergo 140 200-230V 6mm² / AWG10) power cord.

It is up to the local electrician to deliver the correct wire size from the fuse panel to the connection of the mixer. Varimixer A/S cannot be held accountable for too small wiring or fuse upon installation.

Varimixer Denmark recommend a permanent attached installations box but termination and installation in standard industrial CEE 16/32A plug is acceptable. It is the responsibility of the local electrician to install a tariff fuse that doesn't exceed 20A for all models except for the Ergo 140 200-230V which has wiring rated for a maximum of 32A.