Nominal or rated current intensity

This is the sum of the nominal current intensities (working current intensities consumed simultaneously by the three movements) of:

- the hoisting winch,
- the trolley winch,
- the slewing mechanism.

Note
The nominal intensity value makes it possible to determine the cross-section of the crane power supply cable.

Starting current intensity

This is the sum of the current intensities consumed temporarily by these same three movements under the following conditions:

- starting current intensity of the mechanism with the highest current consumption (in general: the hoisting winch),
- nominal current intensity of the other two mechanisms.

Note
The starting current intensity value makes it possible to determine the length of the crane power supply cable.

Crane power and current intensity values

Note
The "Power control" function makes it possible to limit the power required by the machine by reducing movement speed when hoisting a load.

Supply voltage	Supply frequency	Hoisting winch	Required power	Nominal intensity	Starting current intensity
400 V	**50 Hz**	**Treuil levage 100LVF40 OPTIMA**	64 kV·A to 104 kV·A	188 A	224 A
480 V	**60 Hz**	**Treuil levage 100LVF40 OPTIMA**	64 kV·A to 104 kV·A	156 A	186 A

4.22.6 Connecting the motors

Before connecting the crane or when replacing a motor, check the connection in the terminal boxes.