

DC/AC-converter NEDA210-V

NEDA210-V is a motor drive for running induction motors from a DC network for the control of motor outputs up to 65 kW at 50 Hz.

The input voltage is allowed to vary over a broad range to enable a battery to be the feeding source. Important considerations in the design and development of this unit has been reliability and performance. The design is made according to military specifications.

The main features are:

- Possibility to operate a standard three-phase asynchronous motor from DC-mains. It is possible to choose different rated motor voltage e.g. 115V or 230V, 50/60Hz.
- Possibility to control the speed of the motor across the full range.
- Noise problems can be minimized by avoiding certain speeds.
- Built-in soft start, no high start current.
- Built-in overload protection.
- Adjustable acceleration and deceleration time.
- Short circuit protection.
- Controls:
 - Local by user friendly touch display.
 - Remote by Modbus or hardware signals, 0(2)-10V or 0(4)-20mA and digital.
- HF tight cabinet with minimum IP54 protection.
- Water cooler for efficient cooling.



*Difference may occur depending on requirements.

General Technical Data

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|-----------------------------------|---------------------------------|
| DC supply | 280-700V* |
| Motor Power (50/60Hz) | <65 kW |
| I_n RMS | 210 A |
| $I_{60\text{ sec}}$ RMS | 252 A |
| T_{ambient} | 0-45°C At rated duty |
| Degree of protection | IP54 |
| Shock resistance | Half Sine Shock Pulse 15g 20 ms |
| Vibration | MIL-STD-167-1A |
| EMC | Corresponding to MIL-STD-461 |
| Dimensions excl. fittings (HxWxD) | 1360x600x382 mm |
| Weight | 237 kg |

*This is the standard voltage range. Other voltage ranges can be supplied upon request, however lowest voltage is 160 V DC and highest voltage is 835 V DC.