

# DC/AC-converter NEDA074-V

NEDA074-V is a motor drive for running induction motors from a DC network for the control of motor outputs up to 22 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.
- Combined air/water cooler for maximum flexibility.



\*Difference may occur depending on requirements.

## General Technical Data

DC supply	280-700V*	*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.
Motor Power (50/60Hz)	<22 kW	
$I_n$ RMS	74 A	
$I_{60\text{ sec}}$ RMS	89 A	
$T_{\text{ambient}}$	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)	600x380x297 mm	
Weight	39 kg	