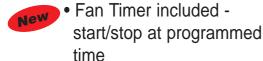
FAN INVERTER

A frequency control for NCF fans in process ventilation systems

- Clear text display
- Pre-programmed
- Multi language
- Energy counter



The Nederman Fan Inverter gives the possibility of full control of the fan capacity. This results in optimal economy as well as a low noise level in the area.

The power consumption is well balanced and the working environment is optimized.

Depending on how many work stations (extraction arms) are in use, the Fan Inverter will adjust the pressure in the duct system to a required level. The required air flow from each suction point will always be available.



The Fan Inverter has all functions presented in a well designed display and the customized programming is easy and quick to do.

It has of course multi language prompts.

Any extraction system with a larger number of workplaces and various need of capacity will have benefits like better economy, low noise level, no draft, less heated air extracted, in using a Nederman Fan Inverter.

No. 983147102



Fan Inverter is delivered pre-programmed for easy and quick commissioning.

Technical data

- Range 1.1 37 kW (larger on request)
- IP 54 (NEMA12) enclosure
- Voltage range 380-480V, 3~, 50/60 Hz
- Built-in RFI filter (EMC)
- PID controller Max 3 kPa, actual pressure displayed
- Ambient temp 0-40°C
- Built-in motor overload protection
- Various drive operating data available on text display
- Automatic fan start/stop by the easy-to-program Fan Timer in the control panel

Model	Part No.	Motor power kW	Dimensions h x w x d (mm)	For fan models 400V 50Hz / 460V 60Hz
Fan Inverter 1.1	14517837	1.1	461 x 222 x 234	N24
Fan Inverter 1.5	14517937	1.5	461 x 222 x 234	N29*, N40*, NCF 30/15*
Fan Inverter 2.2	14518037	2.2	461 x 222 x 234	N29, N40, NCF 30/15
Fan Inverter 3	14511837	3.0	461 x 222 x 234	N29, N40, NCF 30/15
Fan Inverter 4	14511937	4.0	461 x 222 x 234	NCF 30/25
Fan Inverter 5.5	14512037	5.5	461 x 222 x 234	NCF 40/25
Fan Inverter 7.5	14512137	7.5	561 x 222 x 246	NCF 50/25, 80/15, 80/25*, 120/15
Fan Inverter 11	14512237	11	561 x 222 x 246	NCF 80/25, 120/25*
Fan Inverter 15	14512637	15	629 x 267 x 354	NCF 120/25, 160/25*
Fan Inverter 18.5	14515137	18.5	629 x 267 x 354	NCF 160/25
Fan Inverter 22	14515237	22	760 x 267 x 285	NCF 240/25 *
Fan Inverter 30	14515337	30	760 x 267 x 285	NCF 240/25
Fan Inverter 37	14515437	37	760 x 267 x 285	

59%

Accessories	Part No.
Remote switch Fan Timer with overtime control	14374157
Main (safety/maintenance) switch, 3 pole, max 18.5 kW, EMC	14372075
Pressure transducer kit 500 Pa for airflow measurement. (in-duct device needed)	14374158
Fuse 6A incl. 4th pole (N) to main switch 14372075 for supply 230 V to external equipment (i.e. FilterMax)	14371984
PTC relay for motor with PTC termister	on request
Hose 6/4 mm, 100 m	14372082

Model Weight Material recycling (% of weight) Fan Inverter 1/1.5/2.2/3/4/5.5 8.4 kg 59% Fan Inverter 7.5/11 11.5 kg 59% 18.1 kg Fan Inverter 15/18.5 59%

26.6 kg

* In many applications the maximum fan power output is not required and gives the possibility to use one size smaller Fan Inverter.



Remote switch Fan Timer

The majority of Nederman's products are manufactured within ISO 9001 and ISO 14001-certified system.

lederman

Rights reserved for modification of design and measurements.

Fan Inverter 22/30/37

Environmental data