

# FAN INVERTER

A frequency control  
for NCF fans in  
process ventilation  
systems

- Clear text display
- Pre-programmed
- Multi language
- Energy counter
- Fan Timer included -  
start/stop at programmed  
time

**New**



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**.

Improving your workspace



*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	

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

*\* 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

Environmental data

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%
Fan Inverter 15/18.5	18.1 kg	59%
Fan Inverter 22/30/37	26.6 kg	59%

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

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**Nederman**<sup>®</sup>  
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