

Fan Inverter

Frequency control for Nederman fans in process ventilation systems.



Frequency control to maintain a constant system pressure

Nederman Fan Inverter is a frequency controller that is preprogrammed with an extraction fan application for Nederman fans. It is equipped with a pressure sensor and a PID controller that can maintain a constant negative pressure in an extraction system.

As a result, Nederman Fan Inverter can maintain an almost constant airflow in extraction devices. The fan capacity is regulated to the actual demand of the airflow, depending on the number of extraction devices in use at the same time.

Nederman Fan Inverter comes with a clear multi- language display to easily view and change settings.

Save Energy with Nederman Fan Inverter

The benefit of using Nederman Fan Inverter is that it reduces running costs, heat loss to the atmosphere and noise levels. It conserves energy and improves performance by regulating the system's power usage as the demand from extraction devices increases or decreases.

- **Preprogrammed for quick and easy commissioning**
- **Clear multi- language display for information and settings**
- **Fan timer included for automatic fan start/stop**
- **Built-in motor overload protection and energy counter**
- **Pressure supervision**

Product name	Fan Inverter
Installation	[Indoor]
Further technical data	Voltage: 380-500V, 3~, 50/60 Hz Ambient temperature: -10-40 C. Built in RFI filter: EMC level C2 PID controller: Built in pressure sensor, actual pressure displayed Protection class: IP 54



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Description	Weight (kg)	[model]
Fan Inverter for 1,1 kW motor power	6	14527837*
Fan Inverter for 1,5 kW motor power	6	14527937*
Fan Inverter for 2,2 kW motor power	6	14528037*
Fan Inverter for 3,0 kW motor power	6	14521837*
Fan Inverter for 4,0 kW motor power	6	14521937*
Fan Inverter for 5,5 kW motor power	6	14522037*
Fan Inverter for 7,5 kW motor power	10	14522137**
Fan Inverter for 11 kW motor power	10	14522237**
Fan Inverter for 15 kW motor power	10	14522637**
Fan Inverter for 18,5 kW motor power	20	14525137**
Fan Inverter for 22 kW motor power	20	14525237**
Fan Inverter for 30 kW motor power	20	14525337**
Fan Inverter for 37 kW motor power	38	14525437**
Fan Inverter for 45 kW motor power	38	14525537**
Fan Inverter for 55 kW motor power	38	14525637**
Fan Inverter for 75 kW motor power	70	14525737**

*Pressure sensor 2000 Pa

**Pressure sensor 5000 Pa

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	[accessory]	[partno]
	Main / Maintenance switch, 3 pole, maximum 22 kW (400V), EMC, plastic IP65 (non UL), cable entry top/bottom 12-21mm	14376611
	Main switch, 3 pole, maximum 37 kW (400V), plastic IP65 (non UL), cable entry top/bottom 21-35mm	14376604
	Maintenance switch, 3 pole, maximum 37 kW (400V), EMC, plastic IP65 (non UL), cable entry top/bottom 21-35mm	14376607
	Maintenance switch, 3 pole, maximum 55 kW (400V), EMC, steel IP65 (non UL), cable entry bottom only 22-35mm	14376609
	Remote switch Fan Timer, with overtime control	14374157
	Fuse 6A including 4th pole (N) only to main switch 14376611 in order to supply 230 V from 400 V (TN-S) to external equipment	14371984
	STO and ATEX therm. option board, varn, PTC	14377016
	Hose 6/4. 100m.	14372082
	Control cable USB-RS485	14376596
	Alarm flashlight amber 24V AC/DC 2W	12374651
	Connection box with relay	14374307
	Transformer 230/250V to 24V, 25 VA	10363189
	Airflow indicator 40-600 Pa	10375374
	Airflow indicator 500-4500 Pa	10375373
	Pressure sensor kit 2000Pa	14376378
	Pressure sensor kit 5000Pa	14376597