

N SERIES FANS

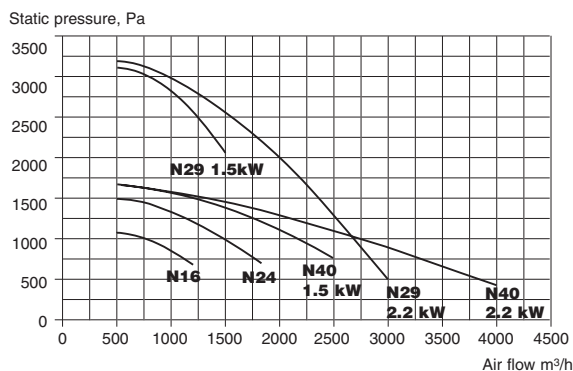


The N series fan is an important component in Nederman's wide range of quality products for fume extraction and filtering, as well as for vehicle exhaust extraction. A range of fans available from 0,55kW to 2,2kW, both single and three phase.

- Simple and powerful
- Available with sound absorbing enclosure

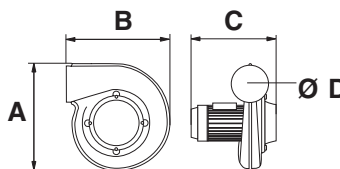


FAN DIAGRAM



DIMENSIONS

Fan	A	B	C	D
N16	478	457	321	160
N24	478	457	341	160
N40	493	582	482	250
N29	635	643	475	160



Voltage	Frequency	Phase	Rated current	Power	Air flow	Connection diameter in/out	Weight	Fan bracket inc.	Model	Part No.
115/230V	50Hz	1	8.7/4.4A	0.55kW	400-1200m³/h	160/160mm	15kg	No	N16	14510121
230/400V	50Hz	3	2.4/1.4A	0.55kW	500-1250m³/h	160/160mm	13kg	No	N16	14510521
115/230V	50Hz	1	13.6/6.5A	0.75kW	400-1500m³/h	160/160mm	17kg	No	N24	14510122
230/400V	50Hz	3	3.7/2.2A	0.9kW	400-1750m³/h	160/160mm	17kg	No	N24	14510422
230/400V	50Hz	3	7.9/4.6A	2.2kW	500-4000m³/h	200/250mm	29kg	No	N40	14510123
230/400V	50Hz	3	5.7/3.3A	1.5kW	500-2500m³/h	200/250mm	25kg	No	N40	14510623
230/400V	50Hz	3	7.9/4.6A	2.2kW	500-3000m³/h	160/160mm	32kg	Yes	N29	14510129
230/400V	50Hz	3	7.9/4.6A	2.2kW	500-3000m³/h	160/160mm	32kg	No	N29	14510829
230/400V	50Hz	3	5.7/3.3A	1.5kW	500-1500m³/h	160/160mm	28kg	Yes	N29	14520129
230/400V	50Hz	3	5.7/3.3A	1.5kW	500-1500m³/h	160/160mm	28kg	No	N29	14520929

PORTABLE FAN

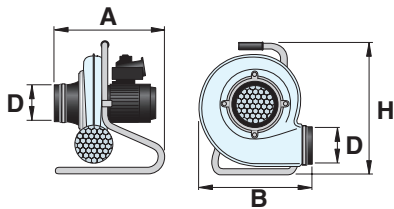


The Nederman portable fan is a simple and powerful ventilation unit for service, repair and other temporary work. Ideal as an extractor for welding fumes, steam, dust or for providing fresh air during work in confined and enclosed spaces. A compact and easy to use fan which, in combination with inlet and outlet hoses, make a flexible and versatile unit with a wide range of applications.

- Compact and easy to use
- Stand included, castor wheels as accessory
- On/Off switch and motor protector included
- Simple and powerful

DIMENSIONS

Fan	Dimensions in mm			
	A	B	D	H
N16	430	484	Ø160	550
N24	430	484	Ø160	550

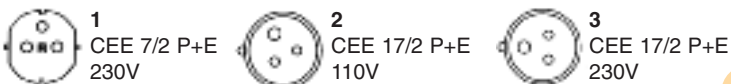


Portable Fans


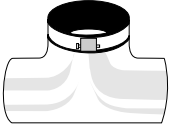
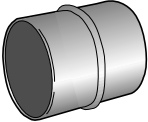
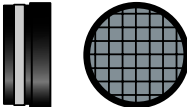
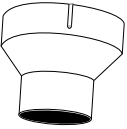



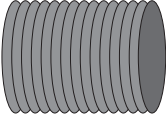
Electric connection	Voltage	Frequency	Phase	Rated current	Power	Air flow	Connection diameter in/out	Weight	Model	Part No.
1	220-240V	50Hz	1	8.7/4.35A	0.55kW	500-1200m³/h	160/160mm	15kg	N16	14511321
2	110-120V	50Hz	1	8.7/4.35A	0.55kW	500-1200m³/h	160/160mm	15kg	N16	14511921
3	220-240V	50Hz	1	8.7/4.35A	0.55kW	500-1200m³/h	160/160mm	15kg	N16	14512221
1	220-240V	50Hz	1	11/5.5A	0.75kW	500-1500m³/h	160/160mm	17kg	N24	14511322
2	110-120V	50Hz	1	11/5.5A	0.75kW	500-1500m³/h	160/160mm	17kg	N24	14511922
3	220-240V	50Hz	1	11/5.5A	0.75kW	500-1500m³/h	160/160mm	17kg	N24	14512222

Portable Fan System

Electric connection	Voltage	Frequency	Phase	Rated current	Power	Air flow	Connection diameter	Weight	Suction Hose*	Exhaust Hose*	Model	Part No.
1	220-240V	50Hz	1	8,7/4,35A	0.55kW	500-1200m³/h	160/160 mm	15kg	5m x 100mm	5m x 160mm	N16 System	14230090
3	220-240V	50Hz	1	8,7/4,35A	0.55kW	500-1200m³/h	160/160 mm	15kg	5m x 100mm	5m x 160mm	N16 System	14230590
1	220-240V	50Hz	1	11/5,5A	0.75kW	500-1500m³/h	160/160 mm	17kg	5m x 100mm	5m x 160mm	N16 System	14230100
3	220-240V	50Hz	1	11/5,5A	0.75kW	500-1500m³/h	160/160 mm	17kg	5m x 100mm	5m x 160mm	N24 System	14230600



FANS CONTINUED

Accessories		Part No.
	<p>Nozzle Nozzle with magnet. 250 x 30 mm. Aluminium. Ø100 mm. Nozzle with magnet. 260 x 100 mm. Polycarbonate. Ø100 mm. Nozzle with magnet. Polycarbonate. Ø160 mm.</p>	<p>14500226 14501226 10371410</p>
	<p>Split intake Split intake Ø125 int./2 x Ø100 mm ext. Split intake Ø125 int./2 x Ø125 mm ext. Split intake Ø125 int./2 x Ø75 mm ext. Split intake Ø160 int./2 x Ø100 mm ext. Split intake Ø160 int./2 x Ø125 mm ext. Split intake Ø160 int./2 x Ø75mm ext.</p>	<p>14500526 14500726 14500826 14510726 14510826 14510926</p>
	<p>Jointing tube Jointing tube 3"-3" (75 mm) Jointing tube 4"-4" (100 mm) Jointing tube 5"-5" (125 mm) Jointing tube 6"-6" (150 mm) Jointing tube Ø160-Ø160 mm</p>	<p>14503626 14504626 14505626 14506626 14511326</p>
	<p>Adaptor and guard net Inlet for fan N16/N24 In- and outlet connection including guard net for N16/N24 Guard net for fan N16/N24</p>	<p>14510326 14322166 14333181</p>
	<p>Adaptor Adaptor Ø125/Ø100 mm Adaptor Ø125/Ø75 mm Adaptor int. Ø160/ext. Ø75 mm Adaptor int. Ø160/ext. Ø100 mm Adaptor int. Ø160/ext. Ø125 mm Adaptor Ø150/Ø125 mm Adaptor Ø160/Ø150 mm</p>	<p>14341077 14341080 14510426 14510526 14510626 14511126 14511226</p>
	<p>Support bracket Support bracket for N16/N24 for fixed mounting Support bracket for N40 for fixed mounting Support bracket for portable N16/N24 fan Support bracket for fan N29</p>	<p>14510126 14510226 14511426 14321745</p>
	<p>Wheel set for portable fan Wheel set for portable N16 or N24 fan</p>	<p>14371707</p>
	<p>Silencer Silencer for fan when mounting on Original/Telescopic Silencer for fan when mounting on Nederman 5000 Silencer including quick release (for fan mounting on Filterbox) Wallbracket for silencer</p>	<p>14502126 14502626 14502226 14343089</p>
	<p>Hose Hose. L = 5 m. Ø100 mm. PVC. Black. Hose. L = 5 m. Ø125 mm. PVC. Black. Hose. L = 5 m. Ø150 mm. PVC. Black. Hose. L = 5 m. Ø160 mm. PVC. Black.</p>	<p>10500427 10500527 10500627 10511026</p>

FAN MANUAL STARTER

A series of Fan Starters suitable for N-Series and minor NCF-Series Fans.

- Lockable on/off switch
- Motor overload protector included
- Both for single and three phase fans
- Under voltage release available



Model	Amp	1 Phase		3 Phase		Part No.
		110V	230V	230V	400V	
FMS 1-1.6	1-1.6				N16, NOM4	14502137
FMS 1.6 - 2.5	1.6 - 2.5			N16 NOM4	N24 NOM11 NOM18	14502237
FMS 2.5 - 4	2.5 - 4		NOM4	N24 NOM11	N29/N40 - 1.5Kw	14502337
FMS 4 - 6.3	4 - 6.3	NOM4	N16 N24 NOM11	N29/N40 - 1.5Kw NOM18	N29/N40 - 2.2Kw NCF30/15 NOM 28	14502437
FMS 6.3 - 10	6.3 - 10	N16 N24 NOM11	NOM18	N29/N40 - 2.2Kw NCF30/15 NOM28	NCF30/25	14502537
FMS 10 - 16	10 - 16	NOM18		NCF0/25	(NCF40/25)	14502637
FMS 14.5 - 19	14.5 - 19					14503137
FMS 18 - 25	18 - 25					14503037

Accessories

Voltage	Hz	Description	Part No.
220 / 230	50	Undervoltage trip	14373715
380 / 400	50	Undervoltage trip	14373717

FAN CONTROLS - MANUAL AND AUTOMATIC



Less heated air is extracted to outside, and less electricity consumed if the fan only operates while the work is in progress. Two basic options give either the ability to switch on/off the fan manually at the hood, or automatically with a sensor clamp. Single phase power supply of the Operation Box, 110/120-220/240V, 50/60Hz

- Consists of a fan contactor and an Operation Box
- The automatic Fan Control has a sensor clamp to be attached on the ground cable of the welding set for automatic start of the fan. It is able to detect currents from 8A
- The Operation Box consists of a transformer 30VA for the light kit in the extraction arm, a timer for delay of fan stop variable 0-5 minutes, two separate connections for sensor clamps
- The Operation Box can be controlled by any closing contact from other processes
- The Fan Contactor has a fan motor protection included

Fan Controls - Manual

Fan controls - manual	Model	Phase	Amp	110V	230V	400V	Part No.
	FCM 3/1 - 2.9	3	1 - 2.9		N16	N16 / N24	14514337
	FCM 3/1.6 - 5	3	1.6 - 5		N24 N29	N24	14512837
	FCM 3/3.7 - 9	3	3.7 - 9		N40	N29 N40 NCF30/15 NCF30/25	14513237
	FCM 1/2 - 7	1	2 - 7		N16 N24		14514437
	FCM 1/5 - 12	1	5 - 12	N16 N24			14513637

Fan Controls - Automatic

Fan controls - automatic	Model	Phase	Amp	110V	230V	400V	Part No.
	FCM 3/1 - 2.9	3	1 - 2.9		N16	N16 / N24	14514137
	FCM 3/1.6 - 5	3	1.6 - 5		N24 N29	N24	14512737
	FCM 3/3.7 - 9	3	3.7 - 9		N40	N29 N40 NCF30/15 NCF30/25	14513137
	FCM 1/2 - 7	1	2 - 7		N16 N24		14514237
	FCM 1/5 - 12	1	5 - 12	N16 N24			14513537

MOTOR DAMPERS - MANUAL AND AUTOMATIC

Reduces energy costs and increases efficiency. Provides optimum airflow within a multi arm system, with the possibility of using a smaller fan and automatic start/stop. The motorised damper is available in two models.

Manual, using a hood mounted switch set, or automatic using a sensor clamp for welding. The closing can be delayed.

Single phase power supply of the Operation Box, 110/120-220/240V, 50/60Hz. Full technical details available upon request.

- Consists of a fan contactor and an Operation Box
- Three damper sizes available diameter 125, 160 and 200mm
- The Motor Damper Automatic has a sensor clamp to be attached on the ground cable of the welding set for automatic start of the fan and automatic control of the damper
- The Operation Box consists of a transformer 30VA for the light kit in the extraction arm, a timer for delay of fan stop variable 0-5 minutes, two separate connections for sensor clamps
- The Operation Box can be controlled by any closing contact from other processes
- Connect the Motor Damper to a Fan Control to start the fan



Motor Damper - Manual

	Model	Ø	Part No.
	MDM 125	125	14500191
	MDM 160	160	14500291
	MDM 200	200	14500391

Motor Damper - Automatic

	Model	Ø	Part No.
	MDM 125	125	14500491
	MDM 160	160	14500591
	MDM 200	200	14500691



Accessory for Motor damper manual, Motor damper automatic, Fan control manual and Fan control automatic

	Accessories	Part No.
	Sensor clamp One additional sensor clamp can be connected to the operation box. Used when using two different welding machines in the same area.	14372199

FAN CONTACTOR





To start/stop a central fan in combination with a number of Motor Dampers. (Larger capacity fans may be remote controlled via a Nederman Fan Starter or Fan Inverter.)

The Fan Contactor has a fan motor protection included. Protection class IP66.

Coil 24V AC, from Operation Box or transformer.

Model	Phase	Amp	110V	230V	400V	Part No.
FC 3/1 - 2.9	3	1 - 2.9		N16	N16 / N24	14514037
FC 3/1.6 - 5	3	1.6 - 5		N24 N29	N24	14512937
FCA 3/3.7 - 9	3	3.7 - 9		N40	N29 N40 NCF30/15 NCF30/25	14513337
FCA 1/2 - 7	1	2 - 7		N16 N24		14514837
FCA 1/5 - 12	1	5 - 12	N16 N24			14513937

TRANSFORMERS

	Input			Output	No. of light kits	Description	Part No.
	Voltage	Hz	Phase				
	230/250V	50/60	1	24V 35 VA	1 x 20W	Power supply to spotlight kits 24V 20W	10363189
	230/250V	50/60	1	24V 75 VA	3 x 20W	Power supply to spotlight kits 24V 20W	10361560