

Fan Manual Starter



A series of Fan Starters suitable for N-Series, smaller NCF-Series Fans and NOM Filters.

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

Model	Rated current, A	1 phase 110 V	1 phase 230 V	3 phase 230 V	3 phase 400 V	3 phase 575 V	Part no.
FMS 1-1.6	1-1.6				N10, N16, NOM4	N16, N24	14502137
FMS 1.6 - 2.5	1.6 - 2.5			N10, N16, NOM4	N24, NOM11, NOM18	N27	14502237
FMS 2.5 - 4	2.5 - 4		NOM4	N24, NOM11	N29/N40 - 1.5kW	N29, N40	14502337
FMS 4 - 6.3	4 - 6.3	NOM4	N10, N16, NOM11	N29/N40 - 1.5kW, NOM18	N29/N40 - 2.2kW, NCF30/15, NOM 28		14502437
FMS 6.3 - 10	6.3 - 10	N10, N16, NOM11	N24, NOM18	N29/N40 - 2.2kW, NCF30/15, NOM28	NCF30/25		14502537
FMS 10 - 16	10 - 16	N24, NOM18		NCF30/25	(NCF40/25)		14502637
FMS 14.5 - 19	14.5 - 19						14503037
FMS 18 - 25	18 - 25						14503137

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	Rated current, A	Phase	110 V	230 V	400 V	575 V	Part no.
FC 3/1 - 2.9	1 - 2.9	3		N10, N16	N10, N16, N24	N26, N24	14514037
FC 3/1.6 - 5	1.6 - 5	3		N24	N24	N27, N29, N40	14512937
FC 3/3.7 - 9	3.7 - 9	3		N40	N29 2.2 kW, N40 2.2 kW, NCF30/15, NCF30/25		14513337
FC 1/2 - 7	2 - 7	1		N10, N16, N24			14513837
FC 1/5 - 12	5 - 12	1	N10, N16				14513937

Product availability may differ by country

Fan Controls



Less heated air is extracted to outside, and less electricity consumed if the fan operates only while the work is in progress. Switch on/off the fan manually at the hood, or automatically with a sensor clamp. Single phase power supply of the 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, and two separate connections for sensor clamps.

Manual

Model	Rated current, A	Phase	110 V	230 V	400 V	575 V	Part no.
FCM 3/1 - 2.9	1 - 2.9	3		N10, N16	N10, N16, N24	N16, N24	14514337
FCM 3/1.6 - 5	1.6 - 5	3		N24	N24, N29, N40, NCF 30/15	N27, N29, N40	14512837
FCM 3/3.7 - 9	3.7 - 9	3		N40	N29 2.2 kW, N40 2.2 kW, NCF 30/15, NCF 30/25		14513237
FCM 1/2 - 7	2 - 7	1		N10, N16, N24			14514437
FCM 1/5 - 12	5 - 12	1	N10, N16, N24				14513637

Automatic

Model	Rated current, A	Phase	110 V	230 V	400 V	575 V	Part no.
FCA 3/1 - 2.9	1 - 2.9	3		N10, N16	N10, N16, N24	N16, N24	14514137
FCA 3/1.6 - 5	1.6 - 5	3		N24	N24, N29, N40, NCF 30/15	N27, N29, N40	14512737
FCA 3/3.7 - 9	3.7 - 9	3		N40	N29 2.2 kW, N40 2.2 kW, NCF30/15, NCF30/25		14513137
FCA 1/2 - 7	2 - 7	1		N10, N16, N24			14514237
FCA 1/5 - 12	5 - 12	1	N10, N16, N24				14513537

Accessory	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

Motor Damper



The Motor Damper consists of a Fan Contactor and an Operation Box that can be controlled by a closing contact. 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, and two separate connections for sensor clamps. Single phase power supply, 110/120-220/240V, 50/60Hz.

The Motor Damper is available in two models: manual, using a hood mounted switch set, or automatic, using a sensor clamp on the welding set, for automatic start of the fan and automatic control of the damper.

- Provides optimum airflow within a multi-arm system
- Reduces energy consumption and increases efficiency
- Makes it possible to use a smaller fan and automatic start/stop

Manual

Model	Ø, mm (in.)	Part no.
MDM 125	125 (5)	14500191
MDM 160	160 (6 1/4)	14500291
MDM 200	200 (8)	14500391

Accessory	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

Automatic

Model	Ø, mm (in.)	Part no.
MDA 125	125 (5)	14500491
MDA 160	160 (6 1/4)	14500591
MDA 200	200 (8)	14500691

Transformers

1

2



	Description	Input voltage, V	Input frequency, Hz	Input phase	Output	No. of light kits	Part no
1	Power supply to spotlight kits 24V	230/250	50/60	1	24V 35VA	1x20W	10363189
2	Power supply to spotlight kits 24V	230/250	50/60	1	24V 75VA	3x20W	10361560

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