Technical leaflet	Date
9880022 10 02	December 8, 2009

Nederman
IMPROVING YOUR WORKSPACE

Fan NCF 30/25, 60 Hz, 3 ph

Centrifugal fan for industrial process ventilation

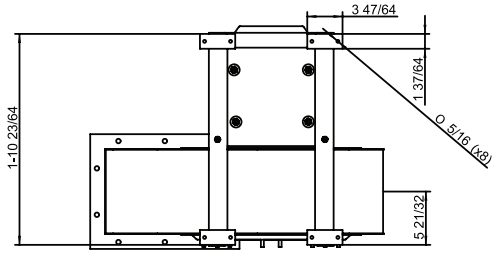
Nederman NCF 30/25 is a centrifugal fan designed for use in all types of industrial process and ventilation systems, mounted indoor as well as outdoor. The fan is equipped with vibration absorbers as standard.

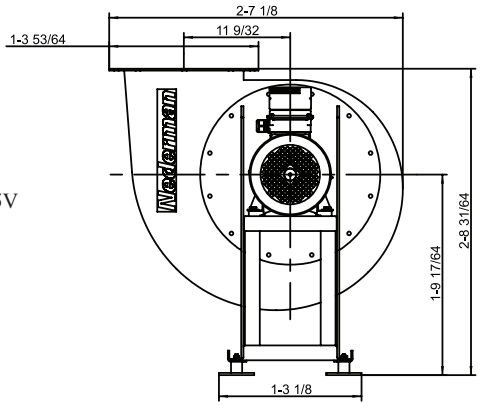
Accessories

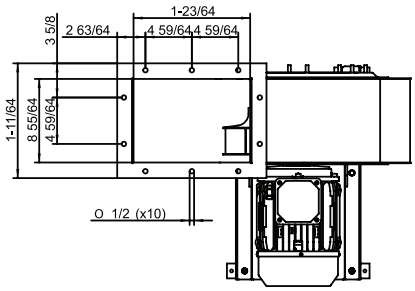
- In and outlet adapters
- Guard nets for in and outlet adapters
- Fan Starters
- Fan Inverters

See separate information

Part no 14522028, 208V
Part no 14522928, 230/460V
Part no 14523828, 575V







Technical specification

Capacity:	490 - 3535 cfm
Total pressure:	10.2 - 3.5 in w.g.
Motor power:	5.5 hp
Speed:	3535 rpm
Voltage:	208V/3ph, 230/460V/3ph, 575V/3ph
Frequency:	60 Hz
Current at rated voltage:	15.1A at 208V, 13.6A at 230V, 6.8A at 460V, 5.5A at 575V
Degree of protection:	IP 55
Weight:	231 lbs
Impeller:	Backward curved blades
General material:	Sheet metal steel
Construction:	On the outside the fan scroll is joined to the standing fan sides by folded seams. The inside is intermittently welded.
Color:	Grey, RAL 7045
Surface treatment:	Anodic electro coating
Pre coat:	Epoxy, 0.8 mil
Top coat:	2 component acrylic, 1.2 mil
Max dust concentration:	0.0874 grain/ft3
Max particle size:	4 mil
Applied directives:	2006/42/CE Machine Directive 2006/95/EC Low Voltage Directive (LVD) 2004/108/EC Electromagnetic compatibility (EMC)

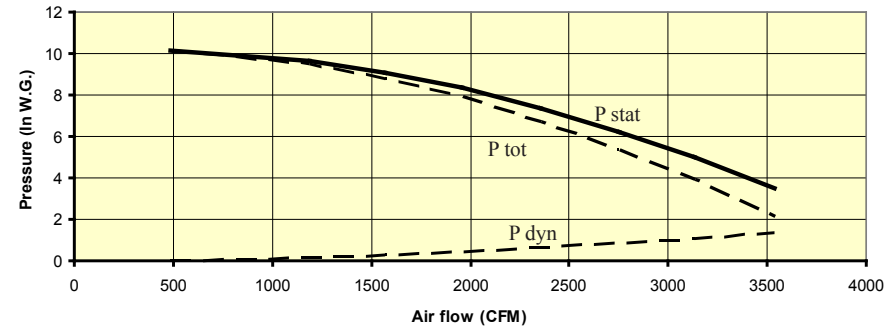
AB PH NEDERMAN & CO certifies that the Fan NCF 30/25 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211, AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Duct inlet diameter 12 2/5 in
Duct outlet diameter 15 3/4 in

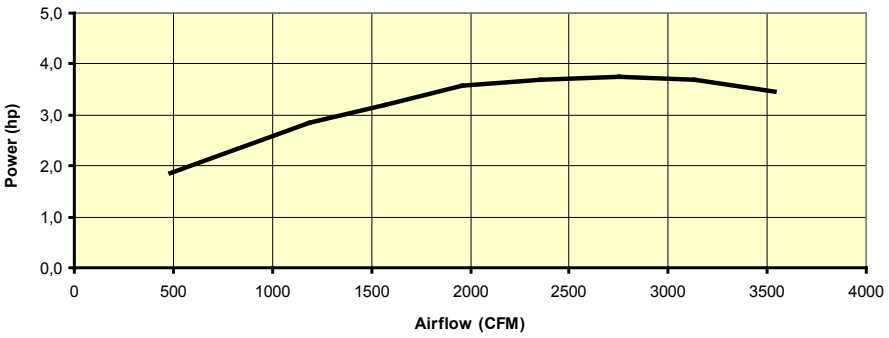
WARNING!

Risk of fire or explosion! The fan must not be used in an environment with danger of explosion or for transport of inflammable or explosive gases.

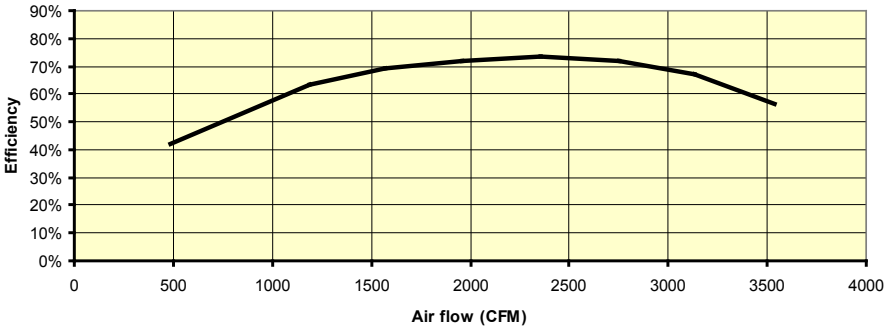
Fan diagram



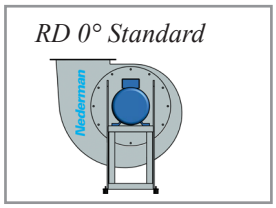
Shaft Power



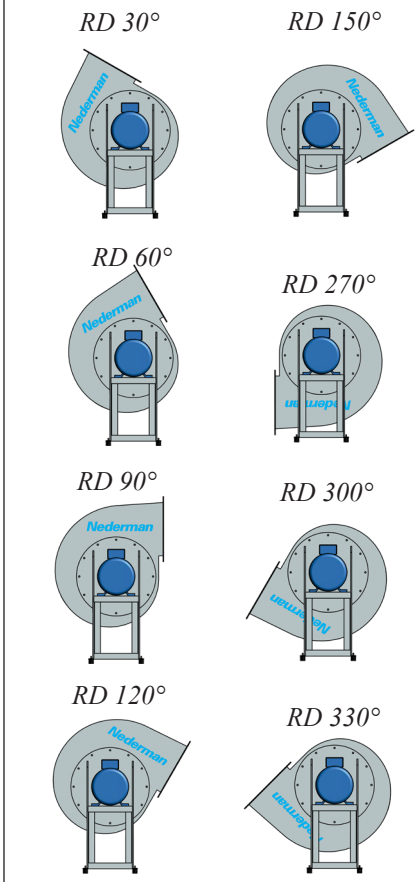
Efficiency



Outlet directions



Outlet directions possible to position before installation



Impeller speed: 3535 rpm
Test method per ANSI/AMCA Standard 210-99, figure 12 set up.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).
Values shown are for inlet Lwi sound power levels for Installation Type B: free inlet, ducted outlet.
The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA International Standard 301.

Lwmi (Sound power level measured at the open inlet of the fan) unit of measure dB											
Center frequency (Hz)								Operation point			
								pressure (in.wg)	flow (cfm)	rotation speed (r.p.m)	number
63	125	250	500	1000	2000	4000	8000				
84	85	82	87	87	86	88	86	0,00	3958	3562	1
85	80	81	85	84	83	83	76	4,80	2963	3556	2
84	80	82	84	83	81	80	74	8,00	1984	3556	3
90	86	95	91	86	86	84	76	9,90	983	3568	4