Product leaflet
2007-05-14

Fan NCF 80/20

Centrifugal fan for industrial process ventilation

Nederman NCF 80/20 is a centrifugal fan designed for use in all types of industrial process and ventilation systems, mounted indoor as well as outdoor.

Accessories

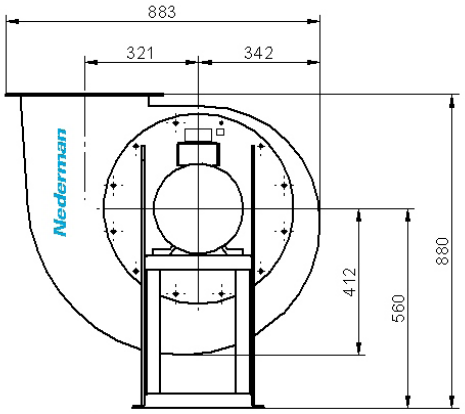
- Vibration absorbers
- In and outlet adapters
- Flexible in and outlet adapters
- Guard nets for in and outlet adapters
- Fan Starters
- Fan Inverters

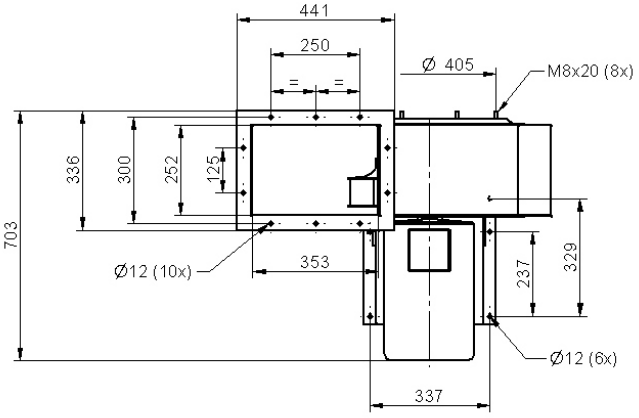
See separate information

Part no 230Δ/400Y V: 14520728
Part no 400Δ/690Y V: 14521528

Technical specification

Capacity:	2300 - 9100 m^3/h
Total pressure:	3070 - 1150 Pa
Motor power:	7.5 kW
Speed:	2930 rpm
Voltage:	3~, 230Δ/400Y V, alt 3~, 400Δ/690Y V
Frequency:	50 Hz
Current at rated voltage:	24,0/13,8 A, alt 13,8/8,0 A
Degree of protection:	IP 55
Weight:	150 kg
Working temperature:	Maximum +60°C
Ambient temperature:	-30°C to +40°C
Impeller:	Backward curved blades
General material:	Sheet metal steel
Type of fan joining:	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, 20µm
Top coat:	2 component acrylic, 30µm
Max dust concentration:	200 mg/m^3
Max particle size:	0.1 mm
Applied directives:	98/37/CE Machine Directive 73/23/EEC Low Voltage Directive (LVD) 89/336/EEC Electromagnetic compatibility (EMC)



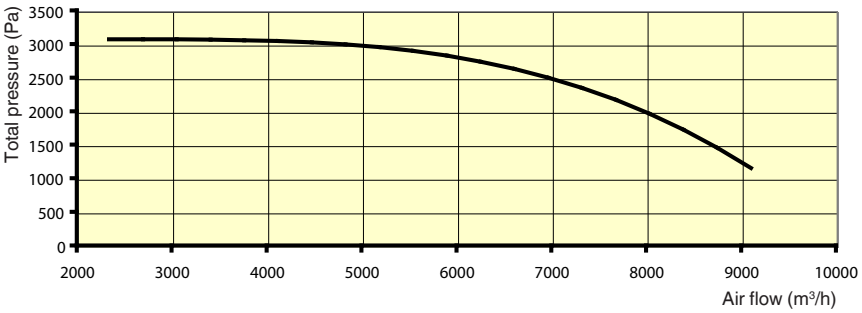


Duct inlet diameter 400 mm

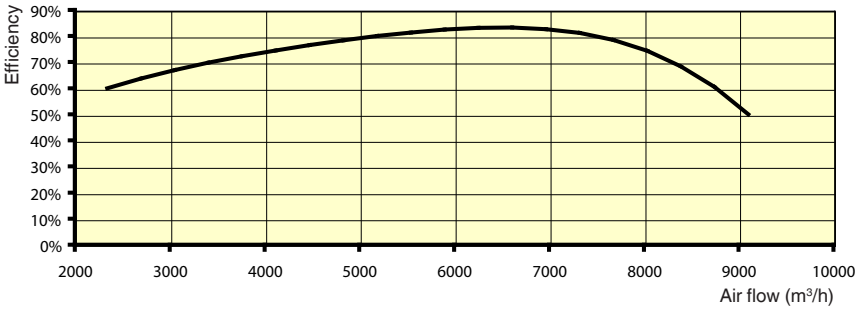
WARNING!

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.

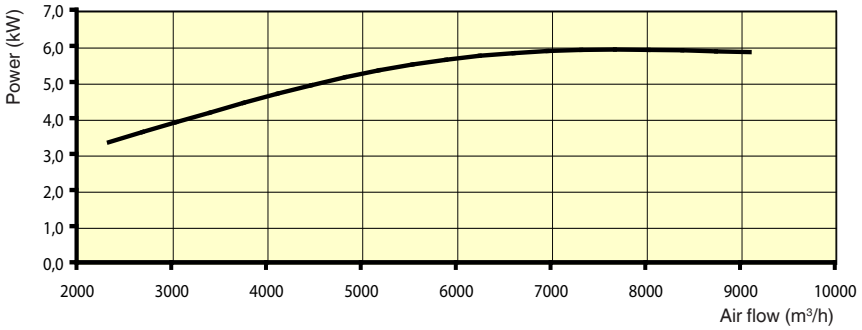
Fan diagram



Efficiency



Shaft Power



Sound power level

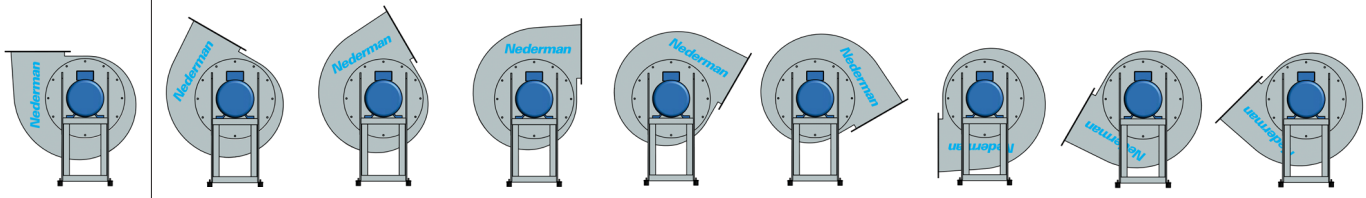
Measured according to ISO 3741

Sound pressure level

According to ISO 11203

The graphs are based on measurements with the inlet and exhaust ducts connected to fan.
Air density = 1.2 kg/m³

Outlet directions



Standard	*Outlet directions possible to position before installation*

Nederman

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