Template for energy optimization of AHU

Building & Industry
NOVENCO
SCHAKO Group

Date

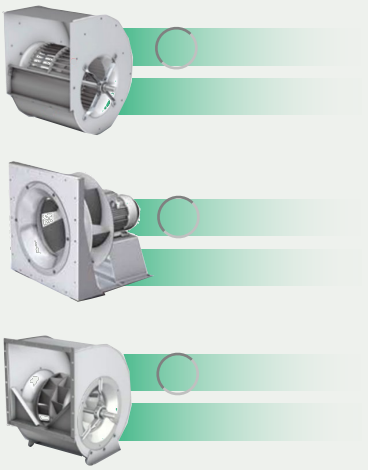
Company

Project name

Unit name

Manufacturer

Fan type



Take a photo of the fan and motor nameplate if possible

Existing fan data

		Supply	Extract
1	Suction pressure	_____ Pa	_____ Pa
2	Discharge pressure	_____ Pa	_____ Pa
3	Total pressure*	_____ Pa	_____ Pa
4	Airflow*	_____ m³/h	_____ m³/h
5	Airflow max	_____ m³/h	_____ m³/h

Motor data

		Supply	Extract
6	Input power	_____ kW	_____ kW
7	Rated power	_____ kW	_____ kW
8	Rated voltage	_____ V	_____ V
9	Rated current/power factor	_____ A	_____ A

Fan compartment dimensions

		Supply	Extract
10	Length	_____ mm	_____ mm
11	Width	_____ mm	_____ mm
12	Height	_____ mm	_____ mm
13	Fan discharge (WxH or Ø)	_____ mm	_____ mm
14	Connecting duct (WxH or Ø)	_____ mm	_____ mm
	Discharge orientation (horizontal/vertical)	H ◯ V ◯	H ◯ V ◯

Operating hours

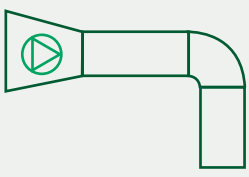
		Supply	Extract
15	Operating hours	_____ h/yr	_____ h/yr
16	Electricity rate	_____ Currency/kWh	

Distance from unit to component/obstacle after fan

_____ mm

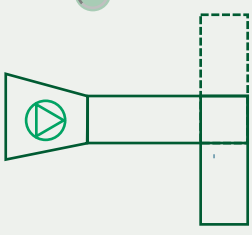
Rounded bend 17

Select ◯



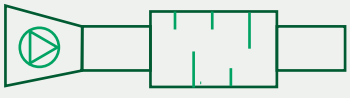
90° bend or T-junction 18

Select ◯



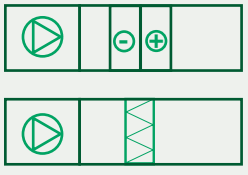
Baffle silencer 19

Select ◯



Cooling/heating coil or filter 20

Select ◯



* If no other data is available, total pressure and airflow is an absolute minimum
Other units allowed include m³/s, ft³/min, mmWC and inWC