

**22.1 Commissioning protocol (attention, required details for damage claim!) Download from: www.wittfan.de Downloads/Documentation**

Project name	Machine Number	FAN TYPE			Maintenance No.	
		AXIAL	JET	RADIAL	EXAMINER	DATE
<b>JOB STEPS</b>						
<b>First inspection</b>						
- Inspection of transport damages		X	X	X		
- Inspection of completeness		X	X	X		
<b>Inspection after mounting</b>						
- flexible connection not damaged		X		X		
- Vibration damper correctly adjusted		X	X	X		
- Align belt disk				X		
- Align coupling halves				X		
- Secure erection guaranteed		X		X		
- Secure suspension guaranteed			X			
- All screw connections on the suspension construction tightened with correct torque			X			
- Catch ropes/ securing chains mounted correctly with slack of < 10mm			X			
- All damages to paint rectified		X	X	X		
- All basic safety instructions considered		X	X	X		
<b>Inspection during commissioning</b>						
- All basic safety instructions considered		X	X	X		
- Check tension of belt drive				X		
- Functioning of bearing status analysis checked		X	X	X		
- Functioning of fluctuation monitoring checked		X	X	X		
- Functioning of tear-off monitoring checked			X			
- Direction of rotation checked		X	X	X		
- Vibration values of bearing or motor measured max. between 4,5 to 7,1 mm/s horizontal / vertical / axial acc. to ISO 14694/ ISO 10816-3 .....mm/s mm/s mm/s		X	X	X		
- Sound pressure level measured (1 - 3m / 45° removed from suction) .....dB(A)		X	X	X		
- Operation on frequency converter (yes/ no / TYPE of FC)		X	X	X		
- Electrical values measured Voltage / Frequency .....V / ..... Hz Current Phase U / V / W ..... A / ..... A / ..... A		X	X	X		

**22.2 Status- and maintenance protocol(attention, required details for damage claim!) Download under: www.wittfan.de Downloads/Documentation**

Project name	Machine Number	FAN TYPE			Maintenance No.	
		AXIAL	JET	RADIAL	EXAMINER	DATE
<b>WORKING STEP</b>						
<b>Maintenance (at least every 6 months)</b>						
- Bearing status checked/ re-greased		X	X	X		
- Shaft seal checked/ re-greased				X		
- Belt tension checked				X		
- Flexible connections checked for leakage		X		X		
- Start-up coupling checked				X		
- Coupling checked (Alignment/ rubber elements)				X		
- Vane controller- movement of blades checked		X		X		
- Vibration values of motor B-bearing measured horizontal / vertical / axial .....mm/s mm/s mm/s		X	X	X		
- Vibration values of casing measured ≤ = 4,5 mm/s : good horizontal / vertical / axial ≥ = 9,0 mm/s : caution .....mm/s mm/s mm/s ≥ = 12,5 mm/s : switch off		X	X	X		
- Sound pressure level measured (3 m / 45° removed from suction) .....dB(A)		X	X	X		
- Electrical values measured voltage / Frequency.....V / ..... Hz Current Phase U / V / W ..... A / ..... A / ..... A		X	X	X		
- Visual check for corrosion (possible rectification of paint damages) - Blower - Vibration damper - Impeller		X	X	X		
- Visual check for corrosion - Motor		X	X	X		
damages checked - Blower - Vibration damper - Impeller		X	X	X		
- Check all screw connections of suspension construction (look at chapter 14.2)			X			
- Check catch device/ catch rope			X			
- Insulation measurement at wrm motor (Resistance winding –mass with 500 V DC voltage) ..... MegaOhm		X	X	X		
- In case stainless steel-blower / -silencer -> All deposits of corroded particles on the surface removed		X	X	X		
- Functioning of fluctuation observation checked Read-off values horizontal / vertical / axial ..... mm/s .....mm/s .....mm/s		X	X	X		
- E-Kit of tear-off –safety checked						