

# MAINTENANCE PLAN WEG FANS

## STAINLESS STEEL EVAPORATIVE CONDENSER ECOSS

The main objectives of the maintenance and monitoring program are a longer life of the equipment and a reduction of faults and defects.

It is recommended that the maintenance and monitoring program is adequate for the operating conditions of the equipment.

For motors stored and/or installed more than two years ago, but not in operation, it is recommended to replace the bearings, or remove, wash, inspect, and re-lubricate them before they are put into operation.

For better detailing of the operation, the checking of the mentioned page is suggested.

Maintenance plan for WEG fans						
Type of operation	Operation	Operation to be performed every				
		Start-up	15 days	30 days	90 days	2 years and 10 months
Control and Monitoring	Motor rotation direction (pg.41)	X				
	Motor drive system (pg.41)	X			X	
	Correct installation of the assembly (pg.41)	X				
	Junction box integrity (pg.41)	X			X	
	Motor connections (pg.41)	X			X	
	Operation of accessories (pg.41)	X			X	
	Data from the nameplate and if it is in accordance with the application (pg.41)	X				
	Motor insulation resistance (pg.41)	X			X	
	Condition of capacitors (pg.41)	X			X	
	Complete air outlet clearing (pg.41)	X		X		
	Protection of rotating parts (pg.41)	X		X		
	Air inlets and outlets (pg.45)	X		X		
	Tightening of connection, support and fixing bolts (pg.45)	X		X		
	Check the condition of the cable passage at the junction box, the cable gland seals and the seals at the junction boxes, and replace them if necessary	X				

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**Maintenance plan for WEG fans**

	Monthly	Annually	Every 3 years
Motor on the whole	Inspection of noise, vibration, clearing of cooling fins.	Retighten bolts and fittings.	Disassemble motor, check parts.
Pillow blocks	NA	Noise control.	Clean pillow blocks and/or replace them, inspect slide track (shaft) and recover it when necessary.
Junction boxes		Clean inside, retighten bolts, check connection terminals.	NA
Cooling	Clear air inlet of fan cover.	Check condition of blades.	Check condition of blades.
Grounding	NA	Check connection and retightening of bolts.	Check connection and retightening of bolts.

Note: If the equipment is stored/non-operating long before installation, to avoid oxidation of the pillow blocks and ensure an even distribution of the lubricant, turn the motor shaft by hand at least once a month (making at least 5 turns) and always leave it in a different position.

## Important!

When using frequency inverters, always set the fan speed to 50% (30 Hz).  
If you have any questions or need more information please refer to our technical department.