

Evaporative Cooler - Indirect type

Last Issue Date: 03/11/2020		Type Of Service				
Activity		A	B	C	D	E
1	<p>ELECTRICAL:</p> <p>a) Carry out a visual inspection for obvious damage to the equipment.</p> <p>b) To the unit frame and pump shaft test the earthing continuity to AS3000 (hard wired). Note: The tests are to be done before & after isolation, & after re-instatement.</p>		Y	Y	Y	Y
2	<p>ELECTRICAL CONDITION AND OPERATIONAL:</p> <p>a) Check the connections; and</p> <p>b) Check the operation of the components incl.: fan motor, PCBs, control box.</p>			Y	Y	
3	AIR INLET FILTERS - Check and clean.		Y	Y	Y	
4	AIR INLET FILTERS - Replace when required by site conditions.					Y
5	<p>CABINET FAN:</p> <p>a) Check the condition and operation for correct impellor cone alignment; and</p> <p>b) Adjust as required.</p>			Y	Y	
6	<p>CABINET TANK:</p> <p>a) Check the tank integrity looking for any contamination, leaks & damage;</p> <p>b) Clean the tank.</p>			Y	Y	
7	<p>WATER CONNECTIONS AND DISTRIBUTION SYSTEM:</p> <p>Check the system's overall condition, cleanliness & operation & adjust as required. To include:</p> <p>a) Water level;</p> <p>b) Drain valve;</p> <p>c) Inlet solenoid;</p> <p>d) Water probes;</p> <p>e) Chlorinator; and</p> <p>f) Water pump.</p> <p>g) Water supply hose between the pump and water distributor for free running water. Replace any damaged or clogged up hoses. Note: Calcium build-up is common in areas with hard water (quality).</p>			Y	Y	
8	<p>VISUAL INSPECTION OF THE INSTALLATION:</p> <p>Check the condition and integrity of the:</p> <p>a) Ducting;</p> <p>b) Roof penetrations including flashings and waterproofing;</p> <p>c) Mounting;</p> <p>d) Vibration isolation material; and</p> <p>e) Access.</p>			Y	Y	
9	<p>OPERATIONAL CHECK:</p> <p>a) Undertake a start up and run sequence, control operation and check the air outlet vane setting;</p> <p>b) Adjust as required; and</p> <p>c) Record the setting in Pa in the log book / customer service report.</p>				Y	
10	Record the results in the logbook and submit a customer report to the FMSP.		Y	Y	Y	Y

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Special Comments and Technical Data

B SERVICE: MONTHLY.

C SERVICE: 3 MONTHLY.

D SERVICE: ANNUAL AND AT THE START OF THE COOLING SEASON DEPENDING ON SITE REQUIREMENTS.

E SERVICE: FILTER REPLACEMENT WHEN REQUIRED BY SITE CONDITIONS.

SERVICE ACTIVITIES AND FREQUENCIES MAY VARY DEPENDING ON SITE CONDITIONS AND MANUFACTURER'S RECOMMENDATIONS.

NOTE:

1/ IF THE UNIT IS USED FOR HEATING AS WELL IT WILL RUN THROUGHOUT THE YEAR.

2/ THIS GENERIC TDS HAS BEEN PREPARED ON THE BASIS THE UNIT IS USED FOR COOLING AND HEATING OPERATIONS.

3/ A GUIDELINE FOR THE REPLACEMENT OF THE CORE FOR NORMAL COMFORT COOLING IS AFTER APPROXIMATELY 15+ YEARS OPERATION.

IF A HEATING COIL IS ASSOCIATED WITH THE UNIT USE TDS ME43: HEATING - COILS.

APPLICABLE LEGISLATION: MINISTERIAL BUILDING STANDARD MBS 002 - MAINTAINING THE PERFORMANCE OF ESSENTIAL SAFETY PROVISIONS, PUBLIC HEALTH (LEGIONELLA) REGULATIONS, AS3666.2.

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