Compressor Maintenance Report

for COMBI 8-22 and COMBI SC 11 & 22

Customer:	
Machine Model:	**Serial Number:**
Operating Hours Total:	**Operating Hours Loaded:**

Maintenance Task	Maintenance Interval (operating hours or elapsed time, whichever occurs first)							
	500 h Initial	1,000 h	2,000 h	4,000 h	16,000 h	24,000 h	Done Yes / No	Comment
	3 mth	6 mth	1 yr	2 yr	4 yr	5 yr		
Control system (compressor)	C	C	C	C	C	C		
Error log (control system)	C	C	C	C	C	C		
Error log (frequency converter) *	C	C	C	C	C	C		
Operation check	C	C	C	C	C	C		
Vibration	C	C	C	C	C	C		
Compressor - noise check	C	C	C	C	C	C		
Electric motor - noise check	C	C	C	C	C	C		
Intake filter (element)	C		●	●	●	●		
Compressor oil	●	C	●	●	●	●		Type:
Oil filter	●	●	●	●	●	●		
Fine separator (cartridge)	C		●	●	●	●		
Seal set	C		●	●	●	●		
Oil temperature regulator	C			●	●	●		
Intake regulator incl. control block	C			●	●	●		
Solenoid valve(s)	C			●	●	●		
Minimum pressure valve	C			●	●	●		
Safety valve(s)	C	C	C	C	C	C		
Residual oil extraction system	C	C	C	C	C	●		
Air cooler	C	C	C	C	C	C		
Oil cooler	C	C	C	C	C	C		
Hoses (oil, air)	C	C	C	C	●	C		
Pipe joints and fittings	C	C	C	C	C	C		
Threaded fasteners	C	C	C	C	C	C		
Pressure sensor	C	C	C	C	●	C		
Electrical system	C	C	C	C	C	C		
Wiring	C	C	C	C	C	C		
Frequency converter **	C	C	C	C	C	●		
Fan for frequency converter *	C	C	C	C	C	●		
Electric motor	C	C	C	C	C	C		
Electric motor bearings	C		●	●	●	●		
Elec. motor anti-vibration mounts *	C		C	C	C	C		
Drive belts (condition, tension, align)	C	C	C	●	●	C		
Pulleys	C	C	C	C	●	C		

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	500 h Initial	1,000 h	2,000 h	4,000 h	16,000 h	24,000 h		
	3 mth	6 mth	1 yr	2 yr	4 yr	5 yr		
Compressor air end	C		C	C	C	●		
Shaft sealing ring for air end	C		C	C	C	●		
Temperature sensor for air end	C		C	C	C	●		
Refrigeration dryer	C	C	C	C	C	C		
Refrigerant compressor	C	C	C	C	C	C		
Refrigerant	C	C	C	C	C	C		
Pressure switch	C	C	C	C	C	C		
Capacitor	C	C	C	C	C	C		
Fan	C	C	C	C	C	C		
Line filter elements (pre-filters, fine filters and active carbon filters)	C		●	●	●	●		
Condensate drain	C	C	C	C	C	C		
Clean compressor components	C	C	C	C	C	C		
Direction of rotation, drive motor	C	C	C	C	C	C		
Test run	C	C	C	C	C	C		
Seal integrity	C	C	C	C	C	C		
Maintenance message	C	C	C	C	C	C		
Service label	●	●	●	●	●	●		

The following must be documented each time maintenance is performed:					
Loaded supply voltage (100%) L1/L2, L1/L3, L2/L3				Volt	
Idle mode supply voltage L1/L2, L1/L3, L2/L3				Volt	
Loaded current draw (100%) (terminal current) L1, L2, L3				Ampere	
Idle mode current draw (terminal current) L1, L2, L3				Ampere	
Frequency converter current draw *				Ampere	
Refrigeration dryer current draw				Ampere	
Compression end temperature				°C	
Pressure dew point				°C	
Idle mode pressure				bar	
Operating pressure (from - to)				bar	
Ambient temperature				°C	
Ambient relative humidity				%	

C = Check. If required set, correct, delete, clean or lubricate.

● = Service or replace.

* = If present.

** = If present, after 5 years, independent of the number of operating hours.

The maintenance intervals depend on the operating environment and are valid for cool, dry and clean ambient conditions. In adverse working conditions or high frequency load / unload switching, the maintenance intervals should be reduced by as much as 50%.

Date: **Technician Name:** **Signature:**

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Comments and Notes