

Maintenance Schedule

WP07050618

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Title:

Maintenance Schedule KONVEKTA a/c units R134a - Bus

Date: 20.09.2021

Valid for:

Maintenance staff

File: WP07050618-R06 WP Bus HLK R134a_englisch

Pos.	Maintenance- / Repair Features	Approx. expenditure of time in minutes	Test parameter / settings - Comments	Maintenance Intervals					
				A	B	C	D		
WK									
1.	Check all air filters for fouling.	10 min.	Visual inspection, if necessary cleans, or rather renew them.	X					
2.	Check oil filling of compressor (at sight glass).	5 min.	After 5 min. running time the oil level should be visible in the sight glass.		X				
3.	Check condition and tension of v-belt at the compressor.	5 min.	Visual and functional inspection.		X				
4.	Check screwed connections at compressor and bracket on tight fit.	5 min.			X				
5.	Check proper function of the magnetic clutch	2 min.	Visual and functional inspection.			X			
6.	Check refrigerant liquid level of the climate system (at sight glass).	10 min.	After 2 min. operation time no bubbles should be visible in the sight glass any more			X			
7.	In case point 6 is not okay, check the refrigerant lines for leaks.	10 min.	Visual inspection.			X			
8.	Check refrigerant receiver.	5 min.	Visual check for corrosion and mechanical damages due to Pressure Equipment Directive			X			
9.	Exchange filter drier.	30 min.				X			
10.	Check condenser and evaporator heat exchangers for dirt	15 min.	Visual inspection, if necessary clean and align the fins			X			
11.	Check function of high (HP) and low pressure switch (LP).	10 min.	<u>Standard KONVEKTA:</u> <u>HP:</u> OFF: 25,0 (+/-0,5) bar / ON: 18,0 (+0,5/-0,5) bar <u>LP:</u> OFF 0,3 bar (+/-0,2) / ON 2,1 bar (+/-0,2) <u>Attention:</u> Depending on the model the settings can deviate among different manufacturers: See type labels!			X			

Pos.	Maintenance- / Repair Features	Approx. expenditure of time in minutes	Test parameter / settings - Comments	Maintenance Intervals				
				A	B	C	D	
12.	Check electrical wires, connections, sensors and fuses.	10 min.	Visual inspection for corrosion and chafes. Check plug connections and electrical connections for tight fit			X		
13.	Functional test (heating – cooling) with diagnosis. Read-out fault memory. Functional check of fans and blowers, as well as flaps and valves (incl. front box)	30 min	Functional test of the complete system.					
14.	Check all air-conditioning- and heating conduits for fit and impermeability.	10 min	Visual inspection			X		
15.	Exchange oil filling of compressor according to the instructions of the compressor manufacturer: We recommend to do the first exchange after one year at the latest, afterwards every 3 years or 5000 operating hours	Max. 180 min.	KVX40: 2.0 liters KVX50: 2,6 liters HGX34P / 255-2A to 380-4A: 1,4 liters Oil type: Triton SE 55 (ester oil) (H14-002-426)			(X)	X	
Maintenance Intervals for countries with a moderate climate		Maintenance Intervals for countries with a hot climate (countries with temperatures predominantly >40°C)	Maintenance Intervals for tropical countries with predominantly high humidity					
A	Quarterly maintenance works	Every two weeks	Monthly maintenance works.					
B	Half-yearly maintenance works	Half-yearly maintenance works	Half-yearly maintenance works					
C	Yearly maintenance works	Yearly maintenance works	Yearly maintenance works					
D	Maintenance works every 3 years.	Every 3 years or every 5000 hours of operation	Every 3 years or every 5000 hours of operation					

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Datum, Unterschrift	Datum, Unterschrift	Datum, Unterschrift	Datum: 20.09.2021