

Maintenance Schedule

WP07050637

Page 1 of 2

Title:

Maintenance Schedule KONVEKTA a/c units R744 (CO2)

Date: 21.09.2021

Valid for:

Maintenance staff

File: WP07050637-R05 WP Bus HLK R744 CO2_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 (incl. Frontbox) 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 mechanical shaft-seal (visual inspection).	5 min.	Replacement in case of leakage.		X				
4.	Check tension and condition of v-belt.	5 min.	Visual and functional inspection.		X				
5.	Check screwed connections at compressor and bracket on tight fit.	5 min.			X				
6.	Check proper function of the magnetic clutch.	5 min.	Visual and functional inspection.		X				
7.	Check evaporator- and gas cooler- heat exchangers for dirt.	15 min.	Visual inspection and if necessary clean and align the fins.			X			
8.	Functional check of all air flaps (incl. FB).	5 min.	Visual and functional inspection.			X			
9.	Functional check of fans and blowers (incl. Frontbox).	5 min.	Visual and functional inspection.			X			
10.	Check all air-conditioning- and heating conduits for fit and impermeability.	10 min.	Necessary after soldering work at the refrigerant circuit.			X			
11.	Check function of high pressure switch.	10 min.	OFF: 125 bar / ON: 90 bar (+/- 10)			X			
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.	15 min.	Functional test of the complete system.			X			

Pos.	Maintenance- / Repair Features	Approx. expenditure of time in minutes	Test parameter / settings - Comments	Maintenance Intervals				
				A	B	C	D	
WK								
14.	Clean filter sieve of the roof unit.	10 min.	Necessary after soldering work at the refrigerant circuit.			X		
15.	Exchange oil filling of compressor according to the instructions of the compressor manufacturer.	Ma. 180 min.	Oil type: C85E (for R744 CO2), Oil volume 1,6 liter (H14-006-439).			X		
A	Quarterly maintenance works.							
B	Half-yearly maintenance works.							
C	Yearly maintenance works.							
D	Maintenance works every 3 years.							

Erstellt: O. Aubel (TKD)	Geprüft R. Boland	Freigegeben B. Kern (TKD)	Revisionsstand: R05
Datum, Unterschrift	Datum, Unterschrift	Datum, Unterschrift	Datum: 21.09.2021