

IQ – Installation Qualification / OQ – Operation Qualification		
	Report	
Report		
Report reference no.		
Tested by (+ signature)		
Date of testing		
Reviewed by (+ signature)		
Date of review		
Total number of pages		
Installation location		
Name		
Address		
Contact Person		
Commissioner for installation		
Name		
Address		
Contact Person		
Test item		
Description		
Model and/or type reference		
Serial number		
Rating(s)		
Remark(s)		
Manufacturer of test item	Liebberr Heuegeröte Liebz OmbH	
Addross	Dr. Hone Liebberr Straces 1, A 9000 Liepz / Austria	
This report shall not be reproduced except in full and with the written approval of the Manufacturer. The results presented in this report relate only to the items tested.		
The purpose of this IQ/OQ report is to show documented evidence that the test item from Liebherr has been installed in accordance to the specifications provided within this document.		
"(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.		

IQ/OQ	Requirement + Test	Result - Remark	Verdict
Delivery	information		1
IQ	Nameplate inside test item	[visual check]	
IQ	Serial number on name plate	[state serial number]	
IQ	Invoice and delivery note correspond with nameplate	[check model and serial number]	
IQ	Operating/Installation instructions delivered with test item	[state document number]	
IQ	EC-conformity statement delivered with test item	[state document number]	
IQ	Wiring diagram delivered with test item	[state document number]	
IQ	Test item and/or accessories delivered without damage and injury	[check test item and/or accessories]	
Setting up			
IQ	Operation/Installation instructions have been read before switching on for the first time	[yes/no]	
IQ	Operation/Installation instructions stored in a proper way to have it available any time	[yes/no - describe]	
IQ	New users have examined the operation/installation instructions for the first time	[yes/no]	
IQ	Does new users have been trained according this IQ/OQ report	[yes/no]	
IQ	Test item levelled	[check floor/adjustable feet]	
IQ	No sources of heat (sunlight, cookers, radiators) next to the test item	[check installation location]	
IQ	No sources of vibration next to the test item	[check installation location]	
IQ	Ventilation openings of test item not blocked (rear wall condenser and top)	[check test item]	
IQ	Under counter test item: Installed according operation/installation instructions	[yes/no if applicable]	

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IQ	Built in test item: Installed according operation/installation instructions	[yes/no if applicable]	
IQ	Freestanding test item: Installed according operation/installation instructions	[yes/no if applicable]	
IQ	Test item door can be opened and closed in an adequate way during handling	[check door opening; check insertion and removal of products]	
IQ	Door closes / door gasket seals correctly	[visual check]	
IQ	Door lock	[visual check]	
IQ	Function of door lock	[check operation]	
IQ	Room size according EN 378 \rightarrow 1m ³ /8g of HC refrigerant	[state room size and refrigerant charge size]	
Connecti	ng to the mains		
IQ	Power supply according name plate	[state power supply]	
IQ	Power socket fused with 10A and higher	[state fuse size]	
IQ	Power socket grounded	[yes/no]	
IQ	Power socket easily accessible and away from rear of the test item	[check installation location]	
IQ	No extension socket or power strip used	[yes/no]	
IQ	No stand-alone inverter used	[yes/no]	
Climate r	ating		
IQ	Ambient conditions correspond with climate class of test item	[describe ambient conditions and climate class of test item]	
Range of test item use			
	Test item correspond with user requirements	[yes/no, describe requirements]	
IQ	- Temperature range		
	- Gross/net capacity		
	- Size of shelves/drawers		
Accesso	ries		
IQ	Product sensor connected to the optional temperature sensor connection according operation/installation instructions	[yes/no]	
IQ	Product sensor fitted in a proper way inside the test item	[describe]	
IQ	Product sensor activated according operation/installation instructions	[yes/no]	

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IQ	External temperature sensor used	[yes/no]	
IQ	External temperature sensor fitted according operation/installation instructions	[yes/no]	
IQ	External alarm relay used	[yes/no]	
IQ	External alarm relay connected according operation/installation instructions	[yes/no]	
IQ	When an alarm occurs, does the user be aware of the further requirements/steps	[describe]	
IQ	In case of an alarm or malfunction all important phone numbers of service staff or maintenance team are available	[yes/no]	
IQ	Test item equipped with interior light	[yes/no]	
IQ	RS485 interface connected according operation/installation instructions	[yes/no]	
IQ	Liebherr LTM software is used for monitoring and installed according LTM operating instructions	[yes/no]	
IQ	LTM operation instructions stored in a proper way to have it available any time	[yes/no - describe]	
IQ	If a spark free model is used, the Ex- classification is in agreement with the working conditions	[describe]	
IQ	A copy of the relevant ATEX certificate for the spark free model is available at any time	[yes/no]	
Operating	g		
	Connecting to the main supply:	[visual check]	
OQ	Connect the test item to the main supply \rightarrow Display reads OFF		
	Switching ON:	[check function]	
OQ	Press $\textcircled{0}$ button for 5 seconds for the first time \rightarrow Display reads ON		
	Temperature change:	[check function]	
	Press \textcircled{O} button for 1 second \rightarrow the temperature display flashes.		
OQ	Press the temperature setting buttons		
	$\wedge \vee \rightarrow$ temperature is changing.		
	Press ${}^{\scriptsize \bigcirc}$ button again \rightarrow temperature is saved.		

OQ	Switching ON/OFF the light:	[check function]
	Press $\overline{\dot{\mathcal{Q}}}$ button \rightarrow light is switching on and off	
OQ	<u>Fan cut-out:</u>	[visual check]
	Open the door of the test item and check the door operated fan cut-out.	
	Door open alarm:	[check function]
OQ	Open the door for a period of 60 seconds and more \rightarrow the door open alarm sounds, the Ω flashes and the display shows dor	
	Alarm test for internal and any external	[check function]
	alarm:	
	Press 🗟 + \checkmark button for 5 seconds	
OQ	The $igcap_{}$ LED will light during the test.	
	The test sequence is stated in the operational/installation instructions.	
	The electronic control system will automatically switch back after the alarm test to normal operating mode.	
OQ	RS485 interface - function of the monitoring system is correctly	[describe]
	Power failure Battery fully charged and checked.	[yes/no]
OQ	In case the battery is discharged, not fully operating or not connected, the alarm btE is showed	
OQ	LTM software is correctly installed on the monitoring computer	[yes/no]
OQ	LTM software addresses and monitors the cabinets correctly	[yes/no]
Calibratio	on	
OQ	Control sensor calibrated according operation/installation instructions	[yes/no]
Product Sensor		
	<u>Change display:</u>	[check function]
OQ	Press $$ button for 5 seconds \rightarrow Press \checkmark until the display shows $\checkmark L$.	
	Press the ^{OB} button until the display shows / .	
	Press temperature setting button \wedge until the display reads \mathcal{Z}	

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	\rightarrow $\stackrel{\text{AUX}}{\longrightarrow}$ appears in the display when the product sensor is activated	
	limits refers now to the product sensor.	
Additiona	al customized Functions / Notes:	