



Heating: Commissioning/inspection/maintenance – Hydrobox

<table border="0" style="width: 100%;"> <tr><td colspan="2" style="background-color: #cccccc;">Installer</td></tr> <tr><td>Company name</td><td style="background-color: #cccccc;"> </td></tr> <tr><td>Contact person</td><td style="background-color: #cccccc;"> </td></tr> </table>	Installer		Company name		Contact person		<table border="0" style="width: 100%;"> <tr><td colspan="2" style="background-color: #cccccc;">General info</td></tr> <tr> <td><input type="checkbox"/> One time inspection</td> <td><input type="checkbox"/> Contractual inspection</td> </tr> </table>	General info		<input type="checkbox"/> One time inspection	<input type="checkbox"/> Contractual inspection										
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End customer																					
Name																					
Street – N°																					
Zip code – City																					
Country																					
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Company																					
Technician																					
Certificate																					
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Installation			
	Hydrobox 1	Hydrobox 2	Hydrobox 3
Unit model			
Serial number			
Installation reference			
Refrigerant type			
Refrigerant weight			
	kg	kg	kg
Presence of domestic hot water tank			
Unit model			
Serial number			
	Hydrobox 4	Hydrobox 5	Hydrobox 6
Unit model			
Serial number			
Installation reference			
Refrigerant type			
Refrigerant weight			
	kg	kg	kg
Presence of domestic hot water tank			
Unit model			
Serial number			
	Hydrobox 7	Hydrobox 8	Hydrobox 9
Unit model			
Serial number			
Installation reference			
Refrigerant type			
Refrigerant weight			
	kg	kg	kg
Presence of domestic hot water tank			
Unit model			
Serial number			
	Hydrobox 10		
Unit model			
Serial number			
Installation reference			
Refrigerant type			
Refrigerant weight			
	kg		
Presence of domestic hot water tank			
Unit model			
Serial number			

Visual inspection

	Hydrobox 1	Hydrobox 2	Hydrobox 3	Hydrobox 4	Hydrobox 5	Hydrobox 6	Hydrobox 7
General state							
Corrosion/oxidation							
Vibrations/frictions							
Noise							
Position of domestic hot water tank sensor							

	Hydrobox 8	Hydrobox 9	Hydrobox 10
General state			
Corrosion/oxidation			
Vibrations/frictions			
Noise			
Position of domestic hot water tank sensor			

Hydraulic check

	Hydrobox 1	Hydrobox 2	Hydrobox 3	Hydrobox 4	Hydrobox 5	Hydrobox 6	Hydrobox 7
Water filter on entering side							
Stabilized water flow							
Flow switch							
Water pressure (bar)							
Entering water temperature (°C)							
Leaving water temperature (°C)							
Temperature exchange (K)							

	Hydrobox 8	Hydrobox 9	Hydrobox 10
Water filter on entering side			
Stabilized water flow			
Flow switch			
Water pressure (bar)			
Entering water temperature (°C)			
Leaving water temperature (°C)			
Temperature exchange (K)			

Electrical system

Main voltage 400 V AC

	L1	L2	L3		L1	L2	L3	
Hydrobox 1			V	Hydrobox 2			V	
Hydrobox 3			V	Hydrobox 4			V	
Hydrobox 5			V	Hydrobox 6			V	
Hydrobox 7			V	Hydrobox 8			V	
Hydrobox 9			V	Hydrobox 10			V	

Control voltage 230 V AC

Hydrobox 1		V	Hydrobox 2		V	Hydrobox 3		V
Hydrobox 4		V	Hydrobox 5		V	Hydrobox 6		V
Hydrobox 7		V	Hydrobox 8		V	Hydrobox 9		V
Hydrobox 10		V						

Operation check

		Hydrobox 1	Hydrobox 2	Hydrobox 3	Hydrobox 4	Hydrobox 5	Hydrobox 6	Hydrobox 7
Suction pressure	bar							
Evaporating temperature	°C							
Suction temperature	°C							
Suction superheat	K							
Discharge pressure	bar							
Condensation temperature	°C							
Liquid temperature	°C							
Subcooling	K							

		Hydrobox 8	Hydrobox 9	Hydrobox 10
Suction pressure	bar			
Evaporating temperature	°C			
Suction temperature	°C			
Suction superheat	K			
Discharge pressure	bar			
Condensation temperature	°C			
Liquid temperature	°C			
Subcooling	K			

	Frequency	L1 (A)	L2 (A)	L3 (A)	DC °t*	°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	Abnormal noise	<input type="checkbox"/> Yes
Compressor data hydrobox 1						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 2						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 3						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 4						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 5						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 6						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 7						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 8						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 9						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Compressor data hydrobox 10						°C	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	

* DC °t=discharge temperature

Electrical check

		Electrical connections		Compressor	Electrical insulation		Winding resistance	
		<input type="checkbox"/> OK	<input type="checkbox"/> Not OK		<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK
Hydrobox 1	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 2	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 3	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 4	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 5	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 6	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 7	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 8	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 9	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrobox 10	Electrical connections	<input type="checkbox"/>	<input type="checkbox"/>	Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Overall inspection result

Hydrobox 1 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good	Hydrobox 2 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good
	<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe		<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe
Hydrobox 3 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good	Hydrobox 4 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good
	<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe		<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe
Hydrobox 5 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good	Hydrobox 6 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good
	<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe		<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe
Hydrobox 7 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good	Hydrobox 8 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good
	<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe		<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe
Hydrobox 9 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good	Hydrobox 10 is working	<input type="checkbox"/> Good	<input type="checkbox"/> Not good
	<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe		<input type="checkbox"/> Safe	<input type="checkbox"/> Not safe
Follow-up site visit needed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No			

General remarks:

Shortcomings that were not fixed during this inspection:

Measures to be taken in order to resolve the remaining shortcomings:

Signature certified technician





