



# Heating: Commissioning/inspection/maintenance – Hydrobox

**Installer**  
Company name \_\_\_\_\_  
Contact person \_\_\_\_\_

**General info**  
 One time inspection       Contractual inspection

**End customer**  
Name \_\_\_\_\_  
Street – N° \_\_\_\_\_  
Zip code – City \_\_\_\_\_  
Country \_\_\_\_\_

**Performed by**  
Company \_\_\_\_\_  
Technician \_\_\_\_\_  
Certificate \_\_\_\_\_  
Date \_\_\_\_\_

## Installation

	Hydrobox 1	Hydrobox 2	Hydrobox 3
Unit model	_____	_____	_____
Serial number	_____	_____	_____
Installation reference	_____	_____	_____
Refrigerant type	<input type="text"/>	<input type="text"/>	<input type="text"/>
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	<input type="text"/>	<input type="text"/>	<input type="text"/>
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	<input type="text"/>	<input type="text"/>	<input type="text"/>
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	<input type="text"/>
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	V		L1	L2	L3	V
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
Compressor data hydrobox 2						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 3						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 4						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 5						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 6						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 7						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 8						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 9						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes
Compressor data hydrobox 10						°C	<input type="checkbox"/>	No	<input type="checkbox"/>	Yes

\* DC °t=discharge temperature

Electrical check

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

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