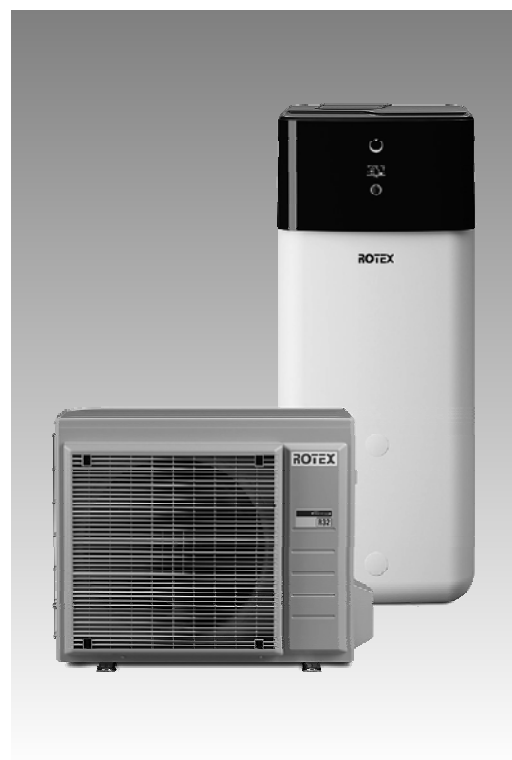


Operating manual

ROTEX Heat pumps



Types

ROTEX HPSU compact Ultra 4-8 kW
ROTEX HPSU compact 4-8 kW
ROTEX HPSU compact 11-16 kW
ROTEX HPSU Bi-Bloc 4-8 kW
ROTEX HPSU Bi-Bloc 11-16 kW
ROTEX HPSU monobloc compact 5-7 kW
ROTEX HPSU monobloc compact 11-16 kW
ROTEX HPSU ^{hitemp} 11-16 kW

EN

Edition 10/2018

1 General instructions

1 General instructions

1.1 Warranty conditions

The legal guarantee conditions fundamentally apply. Our warranty conditions beyond that can be found online on your sales representative's webpage.

1.2 Legal provisions

According to the F-Gas Regulation (EC) No. 842/2006 Article 3, replaced on 01/01/2015 by (EC) no. 517/2014 Articles 3 and 4, operators (or owners) must regularly maintain their fixed refrigeration systems, check for leakages and have any leakages rectified immediately.

All installation, maintenance and repair work on the refrigerant circuit must be documented, e.g. in the operating manual.

The operators of ROTEX heat pump systems are subject to the following obligations:

i The European legal inspection period applies to heat pumps with a total filling quantity of the system with refrigerant of at least 3 kg or from 01/01/2017 with a total filling quantity of 5 t CO₂ equivalent (with R410A, from 2.4 kg, with R32, from 7.4 kg).

However, ROTEX recommends concluding a maintenance contract including documentation of the work carried out in the operating manual to safeguard warranty claims, even for systems for which there is no legal obligation to check for leakages.

- With a **total filling quantity** of the system with refrigerant of **3 kg – 30 kg** or from **6 kg** in hermetic systems and from 01/01/2017 with a total filling quantity of refrigerant of 5-50 t CO₂ equivalent or from 10 t CO₂ equivalent in hermetic systems:

→ **Inspections** by certified personnel at intervals of no more than **12 months** and documentation of the work carried out in accordance with the valid regulation. This documentation must be kept for at least 5 years.

i Persons who hold a certificate of qualification for work on stationary refrigeration systems (heat pumps) and air conditioning systems for the European area in accordance with the F-Gas Certification Regulation (EU) 2015/2067 are certified.

- Up to 3 kg or 5 t CO₂ equivalent Total refrigerant charge: Category II certificate of competence
- Up to 3 kg or 5 t CO₂ equivalent Total refrigerant charge: Category I certificate of competence



RISK OF ENVIRONMENTAL DAMAGE!

The overall heat pump system contains refrigerants with fluorinated greenhouse gases that are harmful to the environment when released.

Coolant type: R410A
GWP* value: 2087.5

Coolant type: R134a
GWP* value: 1430

Refrigerant type: R32
GWP* value: 675

* GWP = Global Warming Potential

- Never allow refrigerant to escape into the atmosphere - always extract and recycle with a suitable recycling device.



Have the inspection and maintenance carried out by authorised and trained HVAC engineers once a year, ideally **before the heating period**. Malfunctions during the heating period can therefore be prevented.

ROTEX recommends an inspection and maintenance contract to ensure regular inspection and maintenance.

2 System data

2.1 Operator

Name: _____
 Company: _____
 Street & house number: _____
 Postal code & town: _____
 Phone: _____

2.2 System

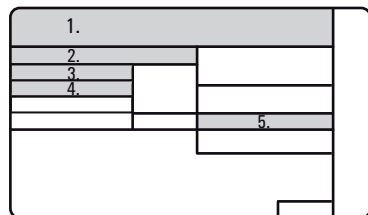


Fig. 2-1 Type plate for external unit

Outdoor unit	
1 - Manufacturer	ROTEX Heating Systems GmbH
2 - Type	_____
3 - Serial number (mfg. no.)	_____
4 - Production date (mfg. date)	_____
5 - Type of coolant + fill weight of device	R_____ kg

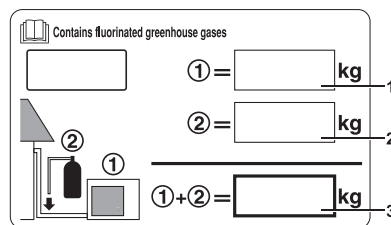


Fig. 2-2 Sticker showing coolant fill weight in entire system (external unit)

Total fill weight	
1 - Factory filling of the outdoor module (see fig. 2-1, item 5):	kg
2 - Quantity of additional coolant added on site:	kg
3 - Total amount of coolant in the system:	kg

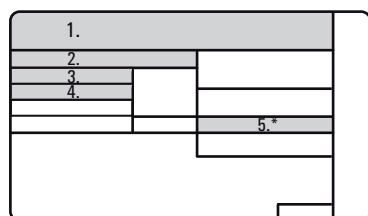


Fig. 2-3 Type plate for indoor unit HPSU Bi-Bloc / HPSU hitemp

Indoor unit	
1 - Manufacturer	ROTEX Heating Systems GmbH
2 - Type	_____
3 - Serial number (mfg. no.)	_____
4 - Production date (mfg. date)	_____
5* - Type of coolant + fill weight of device	R_____ kg

* for HPSU hitemp only

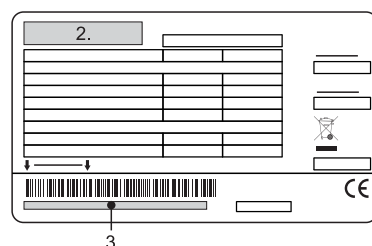


Fig. 2-4 Type plate for indoor unit HPSU compact

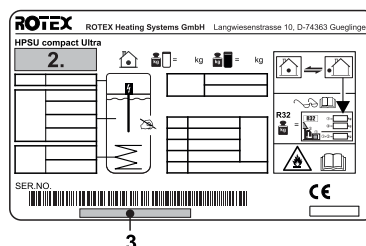


Fig. 2-6 Type plate for indoor unit HPSU compact Ultra

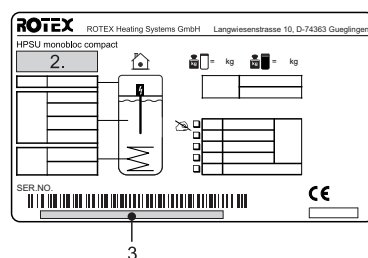


Fig. 2-5 Type plate for indoor unit HPSU monobloc compact

2.3 Leakage checking

Test interval in accordance with F-gas regulations:

- every 6 months
- every 12 months
- No legal requirement for leakage checking



All maintenance, leakage checks and work performed on the coolant system must be recorded below. An unbroken record of compliance with the maintenance and inspection work stipulated by ROTEX is a prerequisite for any guarantee claim within the guarantee period and any possible ex-gratia payment by the manufacturer.

3 Certificates

3 Certificates

1st maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

2nd maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

3rd maintenance

Activities	Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?	<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?	<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?	<input type="checkbox"/>	<input type="checkbox"/>	
<div style="display: flex; align-items: flex-start;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">Leak detection instrument</div> <div style="flex-grow: 1;"> Manufacturer: _____ Type: _____ Date of last instrument test: _____ </div> </div>			
4. Work on coolant circuit completed?	<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____			Weight of coolant disposed of: kg R_____
			kg R_____
6. Function check carried out?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?	<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)	<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>	<i>Name of technician in capitals</i>		<i>Date</i>
			<i>Signature of technician</i>

4th maintenance

Activities	Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?	<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?	<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?	<input type="checkbox"/>	<input type="checkbox"/>	
<div style="display: flex; align-items: flex-start;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">Leak detection instrument</div> <div style="flex-grow: 1;"> Manufacturer: _____ Type: _____ Date of last instrument test: _____ </div> </div>			
4. Work on coolant circuit completed?	<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____			Weight of coolant disposed of: kg R_____
			kg R_____
6. Function check carried out?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?	<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)	<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>	<i>Name of technician in capitals</i>		<i>Date</i>
			<i>Signature of technician</i>

3 Certificates

5th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date Signature of technician

6th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date Signature of technician

7th maintenance

Activities	Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?	<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?	<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?	<input type="checkbox"/>	<input type="checkbox"/>	
<div style="display: flex; align-items: flex-start;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small; margin-right: 5px;">Leak detection instrument</div> <div style="flex-grow: 1;"> Manufacturer: _____ Type: _____ Date of last instrument test: _____ </div> </div>			
4. Work on coolant circuit completed?	<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____			Weight of coolant disposed of: kg R_____
			kg R_____
6. Function check carried out?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?	<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)	<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>	<i>Name of technician in capitals</i>		<i>Date</i>
			<i>Signature of technician</i>

8th maintenance

Activities	Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?	<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?	<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?	<input type="checkbox"/>	<input type="checkbox"/>	
<div style="display: flex; align-items: flex-start;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small; margin-right: 5px;">Leak detection instrument</div> <div style="flex-grow: 1;"> Manufacturer: _____ Type: _____ Date of last instrument test: _____ </div> </div>			
4. Work on coolant circuit completed?	<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____			Weight of coolant disposed of: kg R_____
			kg R_____
6. Function check carried out?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?	<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)	<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>	<i>Name of technician in capitals</i>		<i>Date</i>
			<i>Signature of technician</i>

3 Certificates

9th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>		<i>Name of technician in capitals</i>		<i>Date</i> <i>Signature of technician</i>

10th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R _____ kg R _____		Weight of coolant disposed of:		kg R _____ kg R _____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected? Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
<i>Company stamp / Company address</i>		<i>Name of technician in capitals</i>		<i>Date</i> <i>Signature of technician</i>

11th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

12th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

3 Certificates

13th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____			
	Type: _____			
	Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

14th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____			
	Type: _____			
	Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

15th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

16th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

3 Certificates

17th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

18th maintenance

Activities		Yes	No	Comments
1. Maintenance and inspection work in accordance with the installation and maintenance instructions of the ROTEX HPSU/HPU completed?		<input type="checkbox"/>	<input type="checkbox"/>	
2. System water pressure checked?		<input type="checkbox"/>	<input type="checkbox"/>	bar
3. Leakage check carried out using a leak detection instrument (≤ 5 g/a) in accordance with the F-gas regulation (see chapter 1.2 "Legal provisions", page 2)?		<input type="checkbox"/>	<input type="checkbox"/>	
Leak detection instrument	Manufacturer: _____ Type: _____ Date of last instrument test: _____			
4. Work on coolant circuit completed?		<input type="checkbox"/>	<input type="checkbox"/>	Reason:
5. Weight of coolant added: kg R_____		Weight of coolant disposed of:		kg R_____
				kg R_____
6. Function check carried out?		<input type="checkbox"/>	<input type="checkbox"/>	
7. Any faults detected?		<input type="checkbox"/>	<input type="checkbox"/>	Faults detected:
Fault rectified? (see repair log page _____)		<input type="checkbox"/>	<input type="checkbox"/>	
8. Operator informed of existing faults?		<input type="checkbox"/>	<input type="checkbox"/>	
Company stamp / Company address		Name of technician in capitals		Date
				Signature of technician

ROTEX *a member of **DAIKIN** group*

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