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1 Notes on use of the logbook

According to EU regulation (EC) 517/2014, certain heat pumps must be checked for leakage and a logbook must be kept by law.

The criterion for whether it is necessary to perform leak testing and to keep a logbook is the CO₂ equivalent of the heat pump.

Please refer to the servicing overview to see whether the refrigerating circuit of your heat pump has to be tested for leaks and if so, at what intervals.



NOTE

The logbook must only be kept if your heat pump has to be tested for leaks.

The values and details in the servicing overview are only applicable if the logbook was in the scope of supply of the heat pump. Otherwise the values must be calculated on the basis of the following formula.

You will find the required information on the nameplate of the heat pump. No tests are required for R290.

$$\text{CO}_2\text{-equivalent [t]} = \frac{\text{GWP x capacity (charge) [kg]}}{1000}$$

CO ₂ -equivalent	Test interval / months
< 5t	no test
< 10t	hermetic, no test
≥ 5t	not hermetic 12. with LES* 24
≥ 10t	hermetic 12. with LES* 24
≥ 50t	6. with LES* 12

* LES = Leakage recognition system

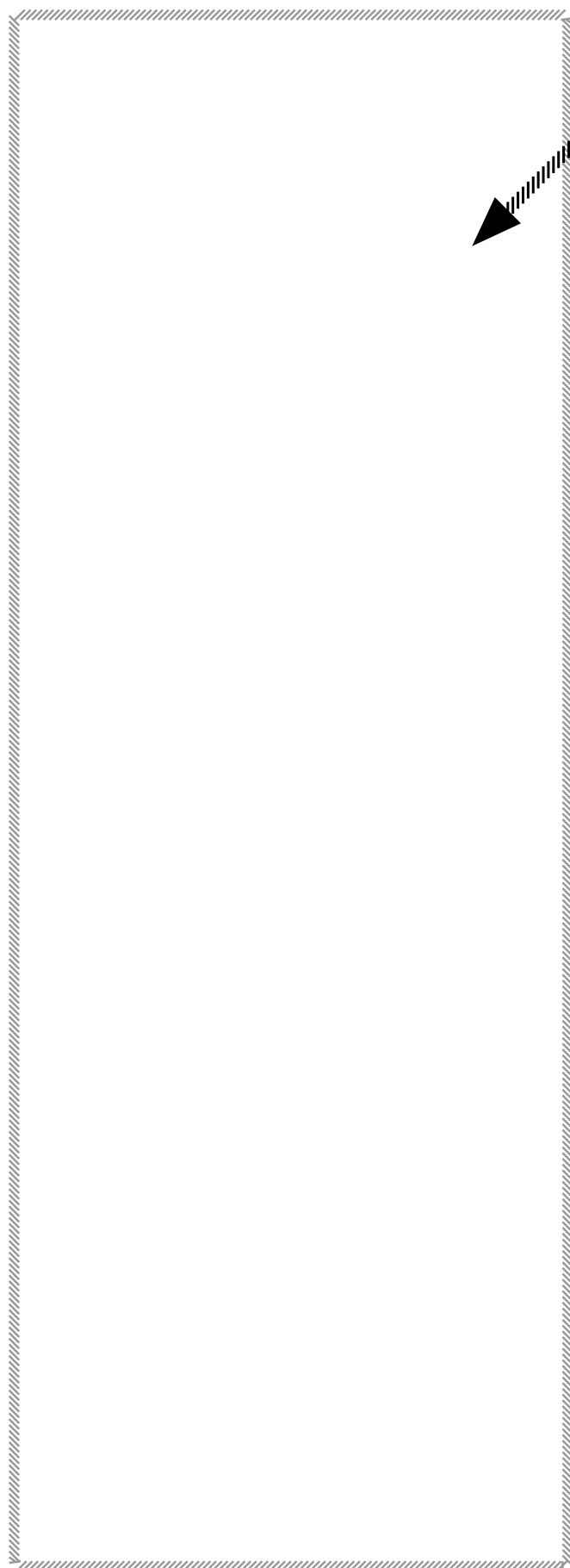
If you are obliged to keep a logbook for your heat pump and to perform leak testing as well, stick the nameplate (supplied with the heat pump) on the table provided in the logbook.

Leak tests must be performed by certified personnel (refrigeration system manufacturers)!

You can contact our customer service to arrange a leak test. The relevant costs are given in our price list.

All refrigerants we use, except R290, are fluorinated greenhouse gases.

The log book must be kept for 5 years after withdrawal from service.



2 Heat pump nameplate

Please stick in the nameplate included with the heat pump here. or alternatively please copy the relevant details from the nameplate and enter them in the column.

Type	-----
Article number	-----
Serial number	-----
Unit index	-----
Refrigerant	-----
Capacity (charge)	-----
hermetic	-----
non hermetic	-----

3 EC Declaration of Conformity

→ The respective EC Declaration of Conformity is in the heat pump operating manual



4 Servicing overview

Article number	Type designation	Refrigerant name	Capacity (Charge) [kg]	GWP value	hermetic	CO ₂ equivalent [t CO ₂]	Test interval with leakage detection (on site) Months	Test interval without leakage detection Months
10079841	Jersey 5	R410A	1,50	2088	N	3.1	–	–
10079941	Jersey 7	R410A	2,55	2088	N	5.3	24	12
10053202	LW 140	R407C	5.80	1774	Y	10.3	24	12
10053302	LW 140 L	R407C	5.80	1774	Y	10.3	24	12
10054402	LW 140A	R407C	5.80	1774	Y	10.3	24	12
10064701	LW 161H/V	R410A	4.00	2088	Y	8.4	–	–
10064901	LW 161H-A/V	R410A	4.00	2088	Y	8.4	–	–
10064801	LW 161HL/V	R410A	4.00	2088	Y	8.4	–	–
10053402	LW 180	R407C	6.80	1774	Y	12.1	24	12
10054502	LW 180A	R407C	6.80	1774	Y	12.1	24	12
10053502	LW 180L	R407C	6.80	1774	Y	12.1	24	12
10053602	LW 251	R407C	9.80	1774	Y	17.4	24	12
10054602	LW 251A	R407C	9.80	1774	Y	17.4	24	12
10053702	LW 251L	R407C	9.80	1774	Y	17.4	24	12
10078702	LW 300	R448A	12.00	1387	N	13.9	24	12
10078902	LW 300A	R448A	12.00	1387	N	13.9	24	12
10078802	LW 300L	R448A	12.00	1387	N	13.9	24	12
10077641	LWAV 82R1/3	R410A	3.00	2088	Y	6.3	–	–
10077741	LWAV 122R3	R410A	3.60	2088	Y	7.5	–	–
10077841	LWAV+ 82R1/3	R410A	3.00	2088	Y	6.3	–	–
10077941	LWAV+ 122R3	R410A	3.60	2088	Y	7.5	–	–
10077041	LWCV 82R1/3	R410A	3.00	2088	Y	6.3	–	–
10077141	LWCV 122R3	R410A	3.60	2088	Y	7.5	–	–
10075002	LWP 450AR3	R410A	23.00	2088	N	48.0	24	12
10077241	LWV 82R1/3	R410A	3.00	2088	Y	6.3	–	–
10077341	LWV 122R3	R410A	3.60	2088	Y	7.5	–	–
10080041	Paros 4	R454B	1,64	466	Y	0.76	–	–
10075741	PWZSV 62H1S	R407C	1.16	1774	Y	2.1	–	–
10075641	PWZSV 62H2S	R407C	1.16	1774	Y	2.1	–	–
10075341	PWZSV 62H3S	R407C	1.16	1774	Y	2.1	–	–
10076041	PWZSV 92H1S	R407C	1.25	1774	Y	2.2	–	–
10076141	PWZSV 92H2S	R407C	1.25	1774	Y	2.2	–	–
10076241	PWZSV 92H3S	R407C	1.25	1774	Y	2.2	–	–
10075941	PWZSV 122H1S	R407C	2.00	1774	Y	3.5	–	–
10075841	PWZSV 122H2S	R407C	2.00	1774	Y	3.5	–	–
10075441	PWZSV 122H3S	R407C	2.00	1774	Y	3.5	–	–
10075541	PWZSV 162H3S	R407C	2.20	1774	Y	3.9	–	–
10074042	SW 42H1	R410A	1.05	2088	Y	2.2	–	–
10070041	SW 42H3	R410A	1.05	2088	Y	2.2	–	–
10070941	SW 42K3	R410A	1.05	2088	Y	2.2	–	–
10070241	SW 82H3	R410A	1.72	2088	Y	3.6	–	–

Keys: – no test | Y hermetic | N not hermetic



Servicing overview

Article number	Type designation	Refrigerant name	Capacity (Charge) [kg]	GWP value	hermetic	CO ₂ equivalent [t CO ₂]	Test interval with leakage detection (on site) Months	Test interval without leakage detection Months
10070342	SW 102H3	R410A	1.98	2088	Y	4.1	–	–
10070442	SW 122H3	R410A	2.25	2088	Y	4.7	–	–
10070542	SW 142H3	R410A	2.38	2088	Y	5.0	–	–
10070642	SW 172H3	R410A	2.65	2088	Y	5.5	–	–
10070742	SW 192H3	R410A	2.80	2088	Y	5.8	–	–
10074642	SW 232H3	R410A	3.20	2088	Y	6.7	–	–
10074742	SW 262H3	R410A	3.30	2088	Y	6.9	–	–
10074842	SW 302H3	R410A	3.70	2088	Y	7.7	–	–
10073042	SWC 42H1	R410A	1.05	2088	Y	2.2	–	–
10068041	SWC 42H3	R410A	1.05	2088	Y	2.2	–	–
10069041	SWC 42K3	R410A	1.05	2088	Y	2.2	–	–
10073142	SWC 62H1	R410A	1.35	2088	Y	2.8	–	–
10073242	SWC 82H1	R410A	1.63	2088	Y	3.4	–	–
10068241	SWC 82H3	R410A	1.72	2088	Y	3.6	–	–
10069241	SWC 82K3	R410A	1.72	2088	Y	3.6	–	–
10073342	SWC 102H1	R410A	1.84	2088	Y	3.8	–	–
10068342	SWC 102H3	R410A	1.98	2088	Y	4.1	–	–
10069342	SWC 102K3	R410A	1.98	2088	Y	4.1	–	–
10068442	SWC 122H3	R410A	2.25	2088	Y	4.7	–	–
10069442	SWC 122K3	R410A	2.25	2088	Y	4.7	–	–
10073442	SWC 132H1	R410A	2.13	2088	Y	4.4	–	–
10068542	SWC 142H3	R410A	2.38	2088	Y	5.0	–	–
10069542	SWC 142K3	R410A	2.38	2088	Y	5.0	–	–
10068642	SWC 172H3	R410A	2.65	2088	Y	5.5	–	–
10069642	SWC 172K3	R410A	2.65	2088	Y	5.5	–	–
10068742	SWC 192H3	R410A	2.80	2088	Y	5.8	–	–
10069742	SWC 192K3	R410A	2.80	2088	Y	5.8	–	–
10074941	SWCV 122H1	R407C	2.00	1774	Y	3.5	–	–
10072841	SWCV 122H3	R407C	2.00	1774	Y	3.5	–	–
10072941	SWCV 122K3	R407C	2.00	1774	Y	3.5	–	–
10071641	SWCV 162H3	R407C	2.20	1774	Y	3.9	–	–
10071841	SWCV 162K3	R407C	2.20	1774	Y	3.9	–	–
10071941	SWCV 62H1	R407C	1.16	1774	Y	2.1	–	–
10071541	SWCV 62H3	R407C	1.16	1774	Y	2.1	–	–
10071741	SWCV 62K3	R407C	1.16	1774	Y	2.1	–	–
10076941	SWCV 92H1	R407C	1.25	1774	Y	2.2	–	–
10076741	SWCV 92H3	R407C	1.25	1774	Y	2.2	–	–
10076841	SWCV 92K3	R407C	1.25	1774	Y	2.2	–	–
10061802	SWP 291H	R134a	6.70	1430	Y	9.6	–	–
10061402	SWP 371	R410A	7.20	2088	Y	15.0	24	12

Keys: – no test | Y hermetic | N not hermetic



Servicing overview

Article number	Type designation	Refrigerant name	Capacity (Charge) [kg]	GWP value	hermetic	CO ₂ equivalent [t CO ₂]	Test interval with leakage detection (on site) Months	Test interval without leakage detection Months
10061502	SWP 451	R410A	8.20	2088	Y	17.1	24	12
10062102	SWP 561H	R134a	12.80	1430	Y	18.3	24	12
10061602	SWP 581	R410A	11.20	2088	Y	23.4	24	12
10061702	SWP 691	R410A	13.40	2088	Y	28.0	24	12
10066041	WZS 42H3M	R410A	1.05	2088	Y	2.2	–	–
10066541	WZS 42K3M	R410A	1.05	2088	Y	2.2	–	–
10078441	WZS 42K3MC	R410A	1.05	2088	Y	2.2	–	–
10078542	WZS 62K1MC	R410A	1.42	2088	Y	3.0	–	–
10066241	WZS 82H3M	R410A	1.72	2088	Y	3.6	–	–
10066741	WZS 82K3M	R410A	1.72	2088	Y	3.6	–	–
10078641	WZS 82K3MC	R410A	1.72	2088	Y	3.6	–	–
10066342	WZS 102H3M	R410A	1.98	2088	Y	4.1	–	–
10066842	WZS 102K3M	R410A	1.98	2088	Y	4.1	–	–
10080141	WZSV 42K3M	R410A	0.90	2088	Y	1.9	–	–
10080241	WZSV 42K3MC	R410A	0.90	2088	Y	1.9	–	–
10072041	WZSV 62H3M	R407C	1.16	1774	Y	2.1	–	–
10072441	WZSV 62H3M	R407C	1.16	1774	Y	2.1	–	–
10072241	WZSV 62K3M	R407C	1.16	1774	Y	2.1	–	–
10072641	WZSV 62K3M	R407C	1.16	1774	Y	2.1	–	–
10076341	WZSV 92H3M	R407C	1.25	1774	Y	2.2	–	–
10076541	WZSV 92H3M	R407C	1.25	1774	Y	2.2	–	–
10076441	WZSV 92K3M	R407C	1.25	1774	Y	2.2	–	–
10076641	WZSV 92K3M	R407C	1.25	1774	Y	2.2	–	–
10073641	WZSV 122H3M	R407C	2.00	1774	Y	3.5	–	–
10073841	WZSV 122H3M	R407C	2.00	1774	Y	3.5	–	–
10073741	WZSV 122K3M	R407C	2.00	1774	Y	3.5	–	–
10073941	WZSV 122K3M	R407C	2.00	1774	Y	3.5	–	–

Keys: – no test | Y hermetic | N not hermetic



Servicing overview



Servicing overview

Specifications for devices for which this logbook was not in the scope of supply / that cannot be found in the list:

Article number	Type designation	Refrigerant name	Capacity (Charge) [kg]	GWP value	hermetic	CO ₂ equivalent [t CO ₂]	Test interval with leakage detection (on site) Months	Test interval without leakage detection Months

Keys: – no test | Y hermetic | N not hermetic





5 Servicing record

Refrigerant		Other specifications						Signature. stamp
Type / Quantity	Event *)	Specialist/Recycling firm. address	Certification number	Result	Event **)	Date		

**) 5 = installation. 6 = control. 7 = repair. 8 = decommissioning

Please write number: *) 1 = returned. 2 = reprocessed. 3 = refilled. 4 = recycled



Servicing record

Refrigerant		Other specifications					
Type / Quantity	Event *)	Specialist/Recycling firm. address	Certification number	Result	Event **)	Date	Signature. stamp

Please write number: *) 1 = returned. 2 = reprocessed. 3 = refilled. 4 = recycled
**) 5 = installation. 6 = control. 7 = repair. 8 = decommissioning



6 Additional details for the withdrawal from service (decommissioning)



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