



## NOTIFICATION LIST

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Messages from the WPMsystem

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» WPMsystem



Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
10002	Heat pump	Compressor or starting contactor stuck	Check contactors K1 and K2.
10003	Heat pump	The minimum low pressure limiter has been triggered.	Refrigerant leak. Expansion valve does not open. Fan not running.
10004	Heat pump	The high pressure limiter has responded.	Check the flow rate and sensor connection on the heating side. Check the selected room temperature or heating curve.
10005	Heat pump	The low pressure switch has been triggered.	Refrigerant leak. Expansion valve does not open.
10006	Heat pump	The minimum mean pressure limiter has been triggered.	Refrigerant leak. Expansion valve does not open.
10013	Heat pump	The minimum low pressure (<13 psi [<0.9 bar] absolute) limiter has been triggered.	Refrigerant leak. Expansion valve does not open.
10015	Heat pump	The frost protection monitor has been triggered in defrost mode.	Water flow rate too low, water temperature too low.
10019	Heat pump	Sensor value of the "outdoor temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
10023	Heat pump	High pressure sensor has exceeded the limit.	Heating flow rate too low, selected room temperature / heating curve too high.
10024	Heat pump	Hot gas temperature has exceeded limit.	Injection valve not working correctly. Expansion valve not working correctly. Refrigerant leak.
10025	Heat pump	Sensor value of the "high pressure sensor" outside the permissible range.	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
10027	Heat pump	High pressure does not increase significantly above low pressure following compressor start-up and a delay time.	Phase sequence incorrect or heat pump connection fuse has blown. Remedy the cause, then perform a reset of the heat pump via the WPM.
10028	Heat pump	Superheating of the refrigerant at the evaporator discharge or the compressor intake below the permissible limit for too long.	Expansion valve not working correctly.
10029	Heat pump	Unexpectedly high deviation of the expansion valve opening from the pre-control characteristic	Refrigerant leak. Expansion valve not working correctly.
10034	Heat pump	Flow rate monitoring from heating output, flow temperature and return temperature	Check flow rate.
10042	Heat pump	Sensor value of the "condenser discharge sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
10047	Heat pump	The low pressure limiter has been triggered in defrost operation.	Refrigerant leak. Expansion valve does not open.
10048	Heat pump	The low pressure limiter has been triggered in cooling operation.	Non-return valve leaks. Expansion valve not working correctly.
10049	Heat pump	The frost protection pressure sensor has responded.	
10099	Heat pump	Sensor value of the "oil sump temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
10108	FES	Low supply voltage FES	Check power source and wiring to the FES.
10115	FES	Incorrect communication with the FES.	Check the communication cable terminal or replace the communication cable.
10227	WPM	Maximum number of CRC errors detected.	Heat pump manager (WPM) faulty. Replace heat pump manager.
10228	WPM	Error in communication with real time clock (RTC).	Check bus connection and bus communication. If necessary, replace the heat pump manager (WPM).
20012	Heat pump	Outlet limiter for high pressure compressor has been triggered.	Mains voltage for compressor supply may be too low or mains impedance of the compressor supply may be too high.
20014	Heat pump	Outlet limiter for low pressure compressor has been triggered.	Mains voltage for compressor supply may be too low or mains impedance of the compressor supply may be too high.
20022	Heat pump	Start limiter – fault for high pressure compressor has been triggered.	Mains voltage for compressor supply may be too low or mains impedance of the compressor supply may be too high.
20033	Heat pump	Minimum flow temperature not reached; switching point 43.7°F (6.5 °C).	Check heating water flow rate. Check cooling flow sensor.
20035	Heat pump	Limiter for power interruption to inverter of low pressure compressor has been triggered.	Value is reset automatically. If necessary, check the compressor wiring.
20036	Heat pump	Temperature limiter for inverter of low pressure compressor has been triggered.	Value is reset automatically. If necessary, clean the inverter heat sink.
20037	Heat pump	Rotor stalled limiter for low pressure compressor has been triggered.	Value is reset automatically.

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20038	Heat pump	Start limiter – fault for low pressure compressor has been triggered.	Mains voltage for compressor supply may be too low or mains impedance of the compressor supply may be too high.
20039	Heat pump	Limiter for power failure to inverter of high pressure compressor has been triggered.	Value is reset automatically. If necessary, check the compressor wiring.
20040	Heat pump	Temperature limiter for inverter of high pressure compressor has been triggered.	Value is reset automatically. If necessary, clean the inverter heat sink.
20041	Heat pump	Rotor stalled limiter for high pressure compressor has been triggered.	Value is reset automatically.
20045	Heat pump	Speed deviation between set and actual compressor values for a defined time (low pressure compressor in the case of two compressors)	Inverter or compressor not working correctly. Check inverter BUS connection.
20046	Heat pump	Speed deviation between set and actual compressor values for a defined time (high pressure compressor in the case of two compressors)	Inverter or compressor not working correctly. Check inverter BUS connection.
20050	Heat pump	Temperature limiter for minimum heat source flow temperature has responded	Check brine circuit
20051	Heat pump	Temperature limiter for minimum heat source return temperature has responded	Check brine circuit
20057	Heat pump	Major inverter fault: Inverter IGBT excess current	Inverter fault
20058	Heat pump	Major inverter fault: PFC IGBT excess current	Inverter fault
20059	Heat pump	Major inverter fault: DC intermediate circuit excess voltage	Inverter fault
20060	Heat pump	Major inverter fault: DC intermediate circuit undervoltage	Inverter fault
20061	Heat pump	Major inverter fault: AC input excess voltage	Inverter fault
20062	Heat pump	Major inverter fault: AC input undervoltage	Inverter fault
20063	Heat pump	Major inverter fault: Voltage differences between the three input phases	Inverter fault
20064	Heat pump	Major inverter fault: Desaturation	Inverter fault
20065	Heat pump	Major inverter fault: Inverter IGBTs excess temperature	Inverter fault
20066	Heat pump	Major inverter fault: PFC IGBTs excess temperature.	Inverter fault
20067	Heat pump	Major inverter fault: Rotor does not turn as expected.	Inverter fault
20068	Heat pump	Major inverter fault: Arithmetic fault in the measuring and analysis process	Inverter fault
20069	Heat pump	Major inverter fault: Input relay open	Inverter fault
20070	Heat pump	Major inverter fault: Current differences between the three inverter IGBTs	Inverter fault
20071	Heat pump	Major inverter fault: Current differences between the three PFC IGBTs	Inverter fault
20072	Heat pump	Inverter major fault: EEPROM error	Inverter fault
20073	Heat pump	Major inverter fault: Motor excess speed	Inverter fault
20074	Heat pump	Minor inverter fault: DC intermediate circuit undervoltage	Inverter fault
20075	Heat pump	Minor inverter fault: Torque limit reached	Inverter fault
20076	Heat pump	Minor inverter fault: Modbus communication is faulty	Inverter fault
20077	Heat pump	Minor inverter fault: Compressor scroll excess temperature	Inverter fault
20078	Heat pump	Minor inverter fault: Compressor motor excess temperature	Inverter fault
20079	Heat pump	Minor inverter fault: Switching circuit excess temperature	Inverter fault
20080	Heat pump	Minor inverter fault: Inverter IGBTs excess temperature	Inverter fault
20081	Heat pump	Minor inverter fault: PFC IGBTs excess temperature	Inverter fault
20084	Heat pump	Minor inverter fault: Temperature differences between the three inverter IGBTs	Inverter fault
20085	Heat pump	Minor inverter fault: Temperature differences between the three PFC IGBTs	Inverter fault

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Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
20091	Heat pump	Minor inverter fault: Communication between analog/digital converter and auxiliary processor is faulty.	Inverter fault
20093	Heat pump	Low relevance communication objects have been incorrectly transferred repeatedly between the IWS and inverter.	Inverter fault. Check leads and the relevant plug-in connectors, and replace if faulty. Check the power supply to the inverter.
20095	Heat pump	INV major fault central fault 1	Inverter fault
20096	Heat pump	INV major fault central fault 2	Inverter fault
20097	Heat pump	INV minor fault central fault 1	Inverter fault
20098	Heat pump	INV minor fault central fault 2	Inverter fault
20100	Heat pump	Low pressure below SOA low pressure limit for impermissible length of time.	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20101	Heat pump	Low pressure above SOA low pressure limit for impermissible length of time.	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20102	Heat pump	SOA range exceeded	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20103	Heat pump	High pressure below SOA high pressure limit for impermissible length of time.	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20104	Heat pump	High pressure exceeds SOA high pressure limit for impermissible length of time.	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20105	Heat pump	SOA range exceeded	Refrigerant circuit cannot offset operating conditions to SOA range for compressor.
20135	Heat pump	Major inverter fault: Input current limit	Inverter fault
20136	Heat pump	Major inverter fault: Output current limit	Inverter fault
20137	Heat pump	Major inverter fault: Phase loss	Inverter fault
20138	Heat pump	Major inverter fault: Power module	Inverter fault
20139	Heat pump	Major inverter fault: Mains voltage sensor	Inverter fault
20140	Heat pump	Major inverter fault: Motor power offset	Inverter fault
20141	Heat pump	Major inverter fault: PFC power offset	Inverter fault
20142	Heat pump	Major inverter fault: Measure motor inductance	Inverter fault
20143	Heat pump	Major inverter fault: Measure motor phase resistance	Inverter fault
20144	Heat pump	Major inverter fault: Restart	Inverter fault
20145	Heat pump	Major inverter fault: Motor excess current shutdown function	Inverter fault
20146	Heat pump	Major inverter fault: IGBT US short circuit	Inverter fault
20147	Heat pump	Major inverter fault: IGBT OS short circuit	Inverter fault
20148	Heat pump	Major inverter fault: Motor phases short circuit	Inverter fault
20149	Heat pump	Major inverter fault: SVM function	Inverter fault
20150	Heat pump	Major inverter fault: Fan inverter excess current	Inverter fault
20151	Heat pump	Major inverter fault: Fan SVM function	Inverter fault
20152	Heat pump	Major inverter fault: Fan DC excess voltage	Inverter fault
20153	Heat pump	Major inverter fault: Fan DC undervoltage	Inverter fault
20154	Heat pump	Major inverter fault: Fan inverter excess temperature	Inverter fault
20155	Heat pump	Major inverter fault: Fan rotor vector	Inverter fault
20156	Heat pump	Major inverter fault: Fan motor excess speed	Inverter fault
20157	Heat pump	Major inverter fault: Fan phase loss	Inverter fault
20158	Heat pump	Major inverter fault: Fan power module	Inverter fault
20159	Heat pump	Major inverter fault: Fan motor power offset	Inverter fault
20160	Heat pump	Major inverter fault: Fan measure motor inductance	Inverter fault
20161	Heat pump	Major inverter fault: Fan measure motor phase resistance	Inverter fault
20162	Heat pump	Major inverter fault: Fan motor excess current shutdown function	Inverter fault
20163	Heat pump	Major inverter fault: Fan IGBT US short circuit	Inverter fault
20164	Heat pump	Major inverter fault: Fan IGBT OS short circuit	Inverter fault
20165	Heat pump	Minor inverter fault: Fan DC undervoltage	Inverter fault
20166	Heat pump	Minor inverter fault: Fan Modbus faulty	Inverter fault
20167	Heat pump	Minor inverter fault: Fan inverter low temperature	Inverter fault
20168	Heat pump	Minor inverter fault: Fan intermediate circuit initialisation	Inverter fault
20169	Heat pump	Minor inverter fault: Fan central fault 1	Inverter fault

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Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
20170	Heat pump	Low relevance communication objects have been incorrectly transferred repeatedly between the IWS and inverter (fan section).	Inverter fault. Check leads and the relevant plug-in connectors, and replace if faulty. Check the power supply to the inverter.
20171	Heat pump	High relevance communication objects have been incorrectly transferred repeatedly between the IWS and inverter (fan section).	Inverter fault. Check leads and the relevant plug-in connectors, and replace if faulty. Check the power supply to the inverter.
20226	Heat pump	Major inverter fault: Fan motor phases short circuit	Inverter fault
20230	Heat pump	Minor inverter fault: Fan mains undervoltage	Inverter fault
20231	Heat pump	Minor inverter fault: Fan motor excess temperature	Inverter fault
20232	Heat pump	Major inverter fault: PFC excess current shutdown function	Inverter fault
20233	Heat pump	Minor inverter fault: Inverter temperature control	Inverter fault
20234	Heat pump	Minor inverter fault: Input current control	Inverter fault
20235	Heat pump	Major inverter fault: High pressure sensor range undershot	Inverter fault
20236	Heat pump	Major inverter fault: Compressor type configuration	Inverter fault
20237	Heat pump	Major inverter fault: High pressure sensor configuration	Inverter fault
20238	Heat pump	Limiter ND frost protection (source side)	Heat source medium temperature too low, heat source medium flow rate too low (e.g. heat source medium pump faulty, heat source medium pump insufficiently vented, shut-off valves not opened), expansion valve fault (not opening sufficiently)
20240	Heat pump	The minimum overheating value of the oil sump compared to the condensation temperature for the monitoring time was permanently undershot.	Sensor fault in oil sump temperature sensor, oil sump temperature sensor insufficiently thermally coupled to the oil sump of the compressor, expansion valve faulty (not closing sufficiently to increase superheating)
20241	WPM	Update completed successfully	
20242	FES	Update completed successfully	
20243	FET	Update completed successfully	
20244	WPM	Update failed	Power supply briefly interrupted. MicroSD card removed in the update process.
20245	FES	Update failed	Power supply briefly interrupted. MicroSD card removed in the update process. Bus connection between WPM and FES2 faulty.
20246	FET	Update failed	Power supply briefly interrupted. MicroSD card removed in the update process. Bus connection between WPM and FET faulty. FET removed from the bus during the update process.
20247	Heat pump	Compression chamber, limit value exceeded	
20248	Heat pump	Safety pressure cell has responded	Machine housing vacuum could not be held. Check the appliance for leaks
20249	WPM	New HP-ID type detected	
30002	Heat pump	Compressor or starting contactor stuck	Check contactors K1 and K2.
30007	WPM	The minimum brine pressure limiter has been triggered.	Check brine circuit.
30008	Heat pump	The "WP - Typ" DIP switch of the IWS is set incorrectly.	Isolate the heat pump from the power supply and set the DIP switch correctly.
30009	Heat pump	Sensor value of the "mean pressure sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty
30010	Heat pump	For heat pumps with one compressor and intermediate injection: sensor value of the "injection temperature sensor" outside the permissible range For heat pumps with two compressors: sensor value of the "suction gas temperature sensor for high pressure compressor" outside the permissible range	Check sensor, lead and relevant plug-in connectors; replace if faulty
30011	Heat pump	Sensor value of the "suction gas temperature sensor for low pressure compressor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty
30016	Heat pump	Sensor value of the "hot gas temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30017	Heat pump	Sensor value of the "evaporator temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.



Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
30018	Heat pump	Sensor value of the "cooling/recuperator sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30019	Heat pump	Sensor value of the "outside temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30020	Heat pump	Sensor value of the "frost protection temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30021	Heat pump	Sensor value of the "injection temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30025	Heat pump	Sensor value of the "high pressure sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30026	Heat pump	Sensor value of the "low pressure sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30031	Heat pump	Sensor value of the "flow temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30032	Heat pump	Sensor value of the "return temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30043	Heat pump	Sensor value of the "exhaust air temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30044	Heat pump	Sensor value of the "differential pressure sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30052	Heat pump	Brine pressure switch has responded	Check brine circuit
30053	All	At least two assemblies with the same bus ID are present on the bus system	Remove the cause. Then perform a reset of the heat pump via the WPM.
30054	Heat pump	The thermistor protection relay for the compressor has been triggered.	The intermediate injection is faulty. The thermistor chain has been interrupted. The compressor is faulty. The compressor has an interwinding fault. The motor overload relay is faulty. Remove the cause. Then perform a reset of the heat pump via the WPM.
30056	Heat pump	Oil compensation valve does not open/close.	Check leads and the relevant plug-in connectors, and replace if faulty.
30082	Heat pump	Minor inverter fault: Communication between signal processor and main processor is faulty.	Inverter fault
30083	Heat pump	Minor inverter fault: Communication between signal processor and main processor is faulty.	Inverter fault
30086	Heat pump	Minor inverter fault: Temperature sensor fault, scroll temperature below the permissible range.	Inverter fault
30087	Heat pump	Minor inverter fault: Temperature sensor fault, motor temperature below the permissible range.	Inverter fault
30088	Heat pump	Minor inverter fault: Temperature sensor fault, internal switching circuit temperature below the permissible range.	Inverter fault
30089	Heat pump	Minor inverter fault: Temperature sensor fault, inverter IGBTs below the permissible range.	Inverter fault
30090	Heat pump	Minor inverter fault: Temperature sensor fault, PFC IGBTs below the permissible range.	Inverter fault
30092	Heat pump	Minor inverter fault: Inverter fault limit has been achieved and inverter was interlocked.	Inverter fault
30094	Heat pump	High relevance communication objects have been incorrectly transferred repeatedly between the IWS and inverter.	Inverter fault. Check leads and the relevant plug-in connectors, and replace if faulty. Check the power supply to the inverter.
30106	Heat pump	The defined minimum source temperature was not reached.	Check the minimum source temperature and change it if required. Check source flow rate: Check source sizing.
30107	FES	Incorrect communication with the WPM.	Check the communication cable terminal or replace the communication cable.
30110	WPM	Sensor value of the "FE 7" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X.1.13
30111	WPM	FES version conflict	The FES software needs updating. Run the update.
30112	WPM	WPE version conflict	The WPE software needs updating. Run the update.
30113	WPM	FET version conflict	The FET software needs updating. Run the update.
30114	WPM	WPM version conflict	The WPM software needs updating. Run the update.
30117	Heat pump	Limiter communication interruption IWS/CWS	Check leads and the relevant plug-in connectors, and replace if faulty.

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Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
30125	Heat pump	MFG sensor value of the "HP return temperature" outside the permissible range.	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30126	Heat pump	MFG sensor value of the "HP flow temperature" outside the permissible range.	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30127	Heat pump	MFG sensor value of the "HP flow rate" outside the permissible range.	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30128	Heat pump	Incorrect communication with the HP return temperature sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30129	Heat pump	Incorrect communication with the HP flow temperature sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30130	Heat pump	Incorrect communication with the heating circuit flow rate sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30172	Heat pump	Float switch has been triggered	Condensate pump and condensate drain hose inspection
30173	Heat pump	IWS sensor value of the "heat source return temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30174	Heat pump	IWS sensor value of the "heat source flow temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30175	WPM	MFG sensor value of the "HP return temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30176	WPM	MFG sensor value of the "HP flow temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30177	WPM	MFG sensor value of the "NHZ flow temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30178	WPM	MFG sensor value of the "DHW temperature" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30186	WPM	The heating circuit pump on the MFG cannot be switched.	Check the communication cable terminal or replace the communication cable.
30188	WPM	The 3-way diverter valve in the MFG cannot be switched.	Check the communication cable terminal or replace the communication cable.
30189	WPM	The emergency/booster heater in the MFG cannot be switched.	Check the communication cable terminal or replace the communication cable.
30190	WPM	Incorrect communication with the HP return temperature sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30191	WPM	Incorrect communication with the HP flow temperature sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30192	WPM	Incorrect communication with the NHZ flow sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30193	WPM	Incorrect communication with the DHW temperature sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30196	WPM	Incorrect communication with the heating circuit flow rate sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30197	WPM	Incorrect communication with the brine circuit flow rate sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30198	WPM	Incorrect communication with the heating circuit pressure sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30199	WPM	Incorrect communication with the brine pressure sensor in the MFG.	Check the communication cable terminal or replace the communication cable.
30201	WPM	Incorrect communication with the heating circuit pump in the MFG.	Check the communication cable terminal or replace the communication cable.
30202	WPM	Incorrect communication with the brine pump in the MFG.	Check the communication cable terminal or replace the communication cable.
30203	WPM	Incorrect communication with the 3-way diverter valve in the MFG.	Check the communication cable terminal or replace the communication cable.
30204	WPM	Incorrect communication with the emergency/booster heater in the MFG.	Check the communication cable terminal or replace the communication cable.
30205	WPM	Incorrect communication with the MFG.	Check the communication cable terminal or replace the communication cable.
30206	Heat pump	Sensor value of "current sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30207	WPM	Sensor value of "outside temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.3
30208	WPM	Sensor value of "buffer temperature sensor (heating circuit sensor 1)" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.4



Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
30209	WPM	Sensor value of "flow temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.5
30210	WPM	Sensor value of "heating circuit sensor 2" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.6
30211	WPM	Sensor value of "heating circuit sensor 3" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.7
30212	WPM	Sensor value of "DHW cylinder sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.8
30213	WPM	Sensor value of "source sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.9
30214	WPM	Sensor value of "heat source 2" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.10
30215	WPM	Sensor value of "flow cooling sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.11
30216	WPM	Sensor value of "DHW circulation temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPM X 1.12
30217	WPE	Sensor value of "swimming pool sensor, primary" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X3.4
30218	WPE	Sensor value of "swimming pool sensor, secondary" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.5
30219	WPE	Sensor value of "heating circuit sensor 4" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.6
30220	WPE	Sensor value of "heating circuit sensor 5" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.7
30221	WPE	Sensor value of "DHW cylinder 2 sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.8
30222	WPE	Sensor value of "differential sensor 1.1" or "thermostat sensor 1" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.9
30223	WPE	Sensor value of "differential sensor 1.2" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.10
30224	WPE	Sensor value of "differential sensor 2.1" or "thermostat sensor 2" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.11
30225	WPE	Sensor value of "differential sensor 2.2" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Terminal: WPE X 3.12
30229	Heat pump	Sensor value of "evaporator inlet temperature sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty.
30239	FEK 2	The heating circuit assigned in FEK 2 is not present in the WPM.	Reset FEK 2 to the factory settings and assign the correct heating circuit to FEK 2.
30248	Heat pump	Safety pressure cell has responded	Machine housing vacuum could not be held. Check the appliance for leaks.
30251	Heat pump	The brine pressure switch for minimum brine pressure has responded.	Check brine circuit
30252	Heat pump	Sensor value of the "expansion valve inlet temperature sensor" outside the permissible range	Check sensor, lead and relevant plug-in connectors; replace if faulty.
50002	Heat pump	Multiple occurrence of message number X-0002 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50003	Heat pump	Multiple occurrence of message number X-0003 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50004	Heat pump	Multiple occurrence of message number X-0004 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50006	Heat pump	Multiple occurrence of message number X-0006 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50008	Heat pump	The HP type DIP switch of the IWS is set incorrectly.	Disconnect the heat pump from the power supply and set the DIP switches correctly. Then perform a reset of the heat pump via the WPM.
50013	Heat pump	Multiple occurrence of message number X-0013 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50015	Heat pump	Multiple occurrence of message number X-0015 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50026	Heat pump	Sensor value of "low pressure sensor" outside the permissible range	Check sensor, leads and the relevant plug-in connectors, and replace if faulty. Then perform a reset of the heat pump via the WPM.
50027	Heat pump	Multiple occurrence of message number X-0027 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.



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## WPM 205311



Message code	Notification from	Reason for fault code being triggered	Possible cause of fault / remedy
50028	Heat pump	Multiple occurrence of message number X-0028 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50029	Heat pump	Multiple occurrence of message number X-0029 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50034	Heat pump	Multiple occurrence of message number X-0034 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50047	Heat pump	Multiple occurrence of message number X-0047 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50048	Heat pump	Multiple occurrence of message number X-0048 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50049	Heat pump	Multiple occurrence of message number X-0049 has led to heat pump interlock.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50248	Heat pump	Multiple occurrence of message number X-0248 has led to the heat pump being locked out.	Remove the cause. Then perform a reset of the heat pump via the WPM.
50250	Heat pump	Temperature switch on compressor housing has responded	Remove the cause. Then perform a reset of the heat pump via the WPM.







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