Version:1747-1
Uppdated 2017-11-23

ALARM LIST
NIBE products with Emmy display

Nr	*Alarm*	*Cause*	*Heat pump operation*	*Type*
1	Sensor fault BT1	Sensor not connected/defective	Calculated flow temperature is set to min calculated flow temperature	
2	Sensor fault BT2	Sensor not connected/defective (heating medium return)	Addition blocked. GM is calculated with "condensor out" sensor. Even if "condensor out" sensor is missing, heating is blocked. VVM 500: 1. Using BT 3 if its available. 2. If BT 3 is not avaialable, BT63 will be used.	
3	Sensor fault BT3	Sensor not connected/defective (heating medium return)	Compressor is blocked when hot water loading. VVM 500: Let the heating medium pump go according to the speed that is chosen in the menu 5.1.19= constantly	
6	Sensor fault BT6	Sensor not connected/defective (hot water, controlling) VVM 500: Using BT54	Automatic reset	
7	Sensor fault BT7	Sensor not connected/defective (hot water peak)	Automatic reset	
10	Sensor fault: BT10	Sensor not connected/defective (brine in)	GP2 switches to manual speed if auto-control is selected. Automatically resets when the sensor has been running correctly in 60 sec. GP2 returns to auto-control led operation.	
11	Sensor fault BT11	Sensor not connected/defective (condensor out)	Compressor blocked	
12	Sensor fault BT12	Sensor not connected/defective (condensor return)	Supply sensor (BT2) is used for controlling max condensor out temperature for the compressor. If supply sensor is also missing; blocked heating mode and blocked compressor in HW mode.	
16	Sensor fault BT16	Sensor not connected/defective (evaporator)	Automatic reset	
20	Ground source:Sensor fault AZ1-BT20 Exhaust air:Sensor fault BT20	Sensor not connected/defective (exhaust air)	Ground source: Pump (AZ1-GP2) in FLM is blocked. Exhaust air: Automatic reset	
21	Ground source:Sensor fault AZ1-BT21 Exhaust air:Sensor fault BT21	Sensor not connected/defective (extract air)	Grounde source: Pump (AZ1-GP2) in FLM is blocked. Exhaust air: Automatic reset	
22	Sensor fault DEW-BT6	Sensor not connected/defective (hot water sensor, controlling in extra water heater)		
25	Sensor fault BT25	Sensor not connected/defective (heat medium return external)	External additive blocked	
26	Sensor fault AZ1-BT26	Sensor not connected/defective (brine, collector in)	Pump (AZ1-GP2) in FLM is blocked.	
27	Sensor fault BP8	Sensor not connected/defective (low pressure sensor)	Compressor blocked	
28	Sensor fault BT71	Sensor not connected/defective (external heating medium return)	No action. Togehter with alarm 25; heat is blocked.	
29	Sensor fault BT29	Sensor not connected/defective (compressor oil temperature)	Compressor blocked	
31	Sensor fault BT63	Sensor not connected/defective (heating medium supply after immersion heater) VVM 500: Blocking internal electric addition	Automatic reset	
32	Sensor fault BS1	Air flow is out of range of the air velocity sensor	Automatic reset. Compressor blocked.	
33	Sensor fault EP30-BT53	Sensor not connected/defective (solar collectors)	Solar additive blocked.	
34	Sensor fault EP30-BT53	Sensor not connected/defective (solar panel)	Solar additive blocked	
35	Sensor fault EM1-BT52	Sensor not connected/defective (boiler temperature)	Shunt closes. Burner shuts down.	
36	Sensor fault EP21-BT2	Sensor not connected/defective (supply sensor, heating system 2)	Control on return sensor (EP21-BT3)	

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Nr	Alarm	Cause	Heat pump operation	Type
37	Sensor fault EP22-BT2	Sensor not connected/defective (supply sensor, heating system 3)	Control on return sensor (EP22-BT3)	
38	Sensor fault EP23-BT2	Sensor not connected/defective (supply sensor, heating system 4)	Control on return sensor (EP23-BT3).	
39	Sensor fault EQ1-BT64	Sensor not connected/defective (brine, supply)	Brine blocked, brine shunt closes.	
40	Compressor phase1 missing	Compressor phase is missing or has been below 160V in more than 30 min.	Compressor blocked	
41	Compressor phase 2 missing	Compressor phase is missing or has been below 160V in more than 30 min.	Compressor blocked	
42	Compressor phase 3 missing	Compressor phase is missing or has been below 160V in more than 30 min.	Compressor blocked	
43	Faulty phase sequence	Phases ar connected in wrong sequence	Compressor blocked	
44	Overheated softstart	Fuses for the soft start card are defective	Compressor blocked.	
45	Phase fault	Motor protection on single phase (Norway) has probably been triggered.		
50	High pressure alarm	The high pressure switch has triggered repeatedly	Compressor blocked. Manual reset.	
54	Motor protection alarm	The motor protection breaker has triggered.		
55	Hot gas alarm	Comperssor has been stopped because the hot gas temperature exceeded its limits.	Compressor blocked. Manual reset.	
56	Incorrect serial number	Serial number does not exist	Compressor stopped and relay deactivated	
57	Incorrect firmware	Serial number and firmware do not match.	Compressor blocked and relay deactivates.	
58	Pressure switch	High- or low pressure switch have triggered.	Compressor blocked.	
60	Low HTF out	The temperature of the outgoing brine goes below the set min- temperature and the alarm is selected.	Compressor blocked.	
63	Low air flow	Too low air flow at air flow sensor BS1	Compressor blocked	
64	Low exhaust air temperature	Exhaust air temperature has been below 16°C and not risen above 17°C within 60 minutes.	Compressor blocked, automatic reset. Resets when the exhaust air temperature has been above 17°C in 60 minutes.	
65	High condensation water level	Alarm from external level monitor	Compressor blocked	
66	High condensation water level	Alarm from level monitor in condensation water container	Compressor blocked	
67	Antifreeze protection Supply air	Supply air temperature (BT22) is below 5°C.	Fans stops and compressor is blocked. Any blocking of immersion heater repeals.	
69	Non-calibrated air flow sensor	The air flow sensor has not been calibrated	Not affected	
70	Perm. com. error input card	No communication with the input card	Calculated flow is set to min. flow. Manual reset.	
71	Perm. com. error base card	No communication with the base card (AA2 at AA26).	Compressor blocked. Manual reset.	
72	Perm. com. error softstart card	No communication with the softstart card.	Compressor blocked.	
73	Perm. com. error heating system 2	No communication with the accessory card.	Accessory blocked.	
74	Perm. com. error heating system 3	No communiation with the accessory card.	Accessory blocked.	
75	Perm. com. error base card	No communication with the base card (AA26).	Compressor blocked. Manual reset.	

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Nr	Alarm	Cause	Heat pump operation	Type
76	Perm. com. error heating system 4	No communication with the accessory card.	Accessory blocked.	
77	Perm. com. error additive with shunt	No communication with the accessory card.	Accessory blocked.	
78	Perm. com. error pool	No communication with the accessory card.	Accessory blocked.	
79	Perm. com. error FLM	Permanent communication fault with the accessory card for FLM. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
83	Unsuccessful defrosting	F750: The defrost stop conditions have not been met for 3 hours. F110: F110 has made three defrosts within 60 minutes.	F110: Defrost discontinued. Compressor stopped. Immersion heater stopped.	
86	Perm. com. error SAM 40	No communication with the accessory card for SAM 40 which is activated in menu 5.2.		
87	Perm. com. error step controlled additive	Permanent communication fault with the accessory card with step controlled additive.	Accessory blocked.	
88	Perm. com. error Solar	Permanent communication fault with the accessory card for Solar. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
89	Perm. com. error HPAC	Permanent communication fault with the accessory card for HPAC. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
90	Perm. com. fault groundwater pump	Permanent communication fault with the accessory card for groundwater pump. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
91	Perm. com. error HWC	Permanent communication fault with the accessory card for hot water circulation. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
92	Perm. com. error DEW	Permanent communication fault with the accessory card for DEW. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	

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Nr	Alarm	Cause	Heat pump operation	Type
93	Perm. com. error 2-pipes cooling	Permanent communication fault with the accessory card for 2-pipes cooling. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
94	Perm. com. error PCD4	Permanent communication fault with the accessory card for 4-pipes passive cooling. Communication cables to the card are incorrect or incorrectly installed. Fault in the communication circuits in the accessory-, input- or display card. Incorrect address on the dipswitch.	Accessory blocked.	
95	Perm. Com. Error FJVM	Permanent communication fault with FJVM.	Accessory blocked.	
96	Perm. Com. Room unit, zone 1	Permanent communication fault with room unit, zone 1.	Room unit blocked.	
97	Perm. Com. Room unit, zone 2	Permanent communication fault with room unit, zone 2	Room unit blocked.	
98	Perm. Com. room unit, zone 3	Permanent communication fault with room unit, zone 3	Room unit blocked.	
99	Perm. Com. room unit, zone 4	Permanent communication fault with room unit, zone 4.	Room unit blocked	
100	Perm. Com. error inverter	Permanent communication fault with the inverter	Compressor blocked	
101	Sensor fault BT1	Sensor temporarily missing		
102	Sensor fault BT2	Sensor temporarily missing		
103	Sensor fault BT3	Sensor temporarily missing		
104	Sensor fault BT4	Sensor temporarily missing		
105	Sensor fault BT5	Sensor temporarily missing		
106	Sensor fault BT6	Sensor temporarily missing		
107	Sensro fault BT7	Sensor temporarily missing		
108	Sensor fault BT8	Sensor temporarily missing		
109	Sensor fault BT9	Sensor temporarily missing		
110	Sensor fault BT10	Sensor temporarily missing		
111	Sensor fault BT11	Sensor temporarily missing		
112	Sensor fault BT12	Sensor temporarily missing		
113	Sensor fault BT13	Sensor temporarily missing		
114	Sensor fault BT14	Sensor temporarily missing		
115	Sensor fault BT15	Sensor temporarily missing		
116	Sensor fault BT16	Sensor temporarily missing		
117	Sensor fault BT17	Sensor temporarily missing		
118	Sensor fault BT18	Sensor temporarily missing		

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Nr	Alarm	Cause	Heat pump operation	Type
119	Sensor fault BT19	Sensor temporarily missing		
120	Sensor fault BT20	Sensor temporarily missing		
140	Compressor phase 1 missing	Compressor phase 1 has been briefly missing		
141	Compressor phase 2 missing	Compressor phase 2 has been briefly missing		
142	Compressor phase 3 missing	Compressor phase 3 has been briefly missing		
145	Temporary general phase fault	Temporary problem with the communication from the base card to the motor protection		
150	High condensor out	Condensor out has reached max permitted temperature	Automatic reset	
155	Hot gas alarm	The Hot gas (BT14) has temporarilly been over 135°C	Compressor stopped. Automatically reset when the hot gas is below 90°C.	
158	Low defrost temperature	The temperature at the defrost (BT76) is below -25°C.	Defrost discontinued. Compressor stopped.	
159	High evaporator temperature	The evaporator temperature (BT16) has exceeded 50°C.	Compressor stopped. Defrost discontinued.	
160	Low HTFout	Brine out has reached set min temperature	Automatic reset	
161	High HTFin	Brine in has reached set max temperature	Automatic reset	
162	High condensor out	Condensor out has reached max permitted temperature	Automatic reset	
163	High condensor in	Condensor exceeds max temperature		
164	Low exhaust air temperature	See alarm 64	Automatic reset when the temperature exceeds 17°C below X minutes	
166	Electrical anode incorrect	Fault in the electrical anode		
170	Com. error input card	Communication with the input card is temporarily missing		
171	Com. error base card	Communication with the base card is temporarily missing		
172	Com. error softstart card	Communication with the softstart card is temporarily missing		
173	Com. error heating system 2	Communication with accessory card for climate system 2 temporarily missing		
174	Com. error heating system 3	Communication with accessory card for climate system 3 temporarily missing		
175	Start-up of softstart card	The softstart card is started up. Takes approx 20 sec		
176	Com. error heating system 4	Communication with accessory card for climate system 4 temporarily missing		
177	Com. error addition with mixing valve	Communication with accessory card for mixing valve controlled additional heat temporarily missing		
178	Com. error pool	Communication with accessory card for pool temporarily missing		
179	Com. error FLM	Communication with accessory FLM is temporarily missing		
180	Freeze prot	Freeze protection active. Occurs if the outdoor temperature is below 3 degrees and no heating is permitted.	Permits room heating	
181	Failed periodic increase	Periodic increase did not reach the stop temperature within 5 hours		
182	Load monitor activated	One or more power steps cannot be activated because the current in at least one phase is too high		
183	Defrosting	Defrosting in progress		
184	Filter alarm	Air filter needs cleaning		

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Nr	Alarm	Cause	Heat pump operation	Type
185	Anti-freeze supply air	Supply air temperature (BT22) or the return temperature from the heating battery (BT69) is below 5°C.	Fans stopped and compressor blocked. Any blockage of the immersion heater is lifted.	
187	Com. error step controlled additional heat	Temporary communication fault with accessory card with step controlled additional heat		
188	Com. fault solar	Temporary communication fault with accessory card with solar		
189	Com. error HPAC	Temporary comunication fault with accessory card with HPAC		
190	Com. error ground water pump	Temporary communication fault with accessory card with ground water pump		
191	Com. error HWC	Temporary communication fault with accessory card with hot water circulation		
192	Com. error 2 pipe cooling	Temporary communication fault with accessory card with 2 pipe cooling		
193	Com. Error DEW	Temporary communication fault with accessory card DEW		
194	Com. Error PCD4	Temporary communication fault with accessory card with 4 pipe cooling		
195	Com. error FJVM	Temporary communication fault with FJVM		
196	Com. room unit zone 1	Temporary communication fault with room unit zone 1		
197	Com. room unit zone 2	Temporary communication fault with room unit zone 2		
198	Com. room unit zone 3	Temporary communication fault with room unit zone 3		
199	Com. room unit zone 4	Temporary communication fault with room unit zone 4		
200	Com. error inverter			
201	Inverter alarm	Inverter indicates alarm		
202	Inverter fault	Inverter indicates alarm		
203	Inverter error type I	Permanent inveter fault type I		
204	Inverter error type II	Permanent inverter fault type II		
205	Inverter error type III	Permanent inverter fault type III		
206	Perm. com. error HW-comfort	No communication with accessory card for 15 sec		
207	Com. error HW-comfort	No communication with the accessory		
208	Com. error Acc-EB1	No communication with accessory card for 15 sec		
209	Com. error ACC-EPxx	3 communication faults in a row with the accessory card	Blocking addition	
213	Inverter error type I	Temporary inverter fault	Inverter blocked. If the alarm is active more than 1h the alarm will pass over to alarm 203 (Permanent inverter fault type II)	
214	Inverter error type II	Temporary inverter fault type II	Compressor blocked. If the alarm is active more than 1h or if the alarm is activated 3 times in 2h, the alarm will pass over to alarm 204 (permanent inverter fault type II)	
215	Inverter error type III	Temporary Inverter fault type III	Compressor blocked. If the alarm is active more than 1h or if the alarm is activated 3 times in 2h, the alarm will pass over to alarm 204 (permanent inverter fault type II)	
216	Inverter alarm type II	Incorrect inverter	Manual reset in menu. Compressor blocked.	

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Nr	*Alarm*	*Cause*	*Heat pump operation*	*Type*
220	High pressure alarm	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
221	Low pressure alarm	Heat pump (selected outdoor unit) sending fault message to the controller	Comperssor blocked.	
222	Motor protection alarm	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
223	Communication alarm	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
224	Fan error	Heat pump (selected outdoor unit) sending a fault message to the controller	Compressor blocked	
225	Flow/ return	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
227	Sensor fault	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
228	Defrost fault	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
229	Short operation times for compressor	Compressor has stopped three times in a row, short time after start	Compressor blocked	
230	Hot gas alarm	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
231	Phase sequence error	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
232	Low evaporation	Heat pump (selected outdoor unit) sending fault message to the controller	Compressor blocked	
236	Sensor fault AZ2-BT20	Sensor not connected/defective (exhaust air)	Circulation pump (AZ1-GP2) in FLM blocked	
237	Sensor fault AZ2-BT21	Sensor not connected/defective (exhaust)	Circulation pump (AZ1-GP2) in FLM blocked	
238	Sensor fault AZ2-BT26	Sensor not connected/defective (brine collector in)	Circulation pump (AZ1-GP2) in FLM blocked	
239	Sensor fault AZ3-BT20	Sensor not connected/defective (exhaust)		
240	Sensor fault AZ3-BT21	Sensor not connected/defective (exhaust)	Circulation pump (AZ1-GP2) in FLM blocked	
241	Sensor fault AZ3-BT26	Sensor not connected/defective (brine collector in)	Circulation pump (AZ1-GP2) in FLM blocked	
242	Sensor fault AZ4-BT20	Sensor not connected/defective (exhaust)	Circulation pump (AZ1-GP2) in FLM blocked	
243	Sensor fault AZ4-BT21	Sensor not connected/defective (exhaust)	Circulation pump (AZ1-GP2) in FLM blocked	
244	Sensor fault AZ4-BT26	Sensor not connected/defective (brine collector in)	Circulation pump (AZ1-GP2) in FLM blocked	
245	Com. error FLM 2	No communication temporarily with the accessory FLM 2	Accessory blocked	
247	Com. error FLM 4	No communication temporarily with the accessory FLM4	Accessory blocked	
248	Communication fault	No connection between the display unit and the base card	Compressor and charging pump stopped	
250	Com.error ACC-SMS 40	No communication temporarily with accessory card	Accessory blocked	
251	Com. error ACC Modbus 40	No communication temporarily with accessory card	Accessory blocked	
252	Com.error slave	No communication temporarily with slave heat pump	Compressor in slave blocked	
253	Sensor fault QZ1-BT70	Sensor not connected/defective (hot water flow)	Mixing valve closes	

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Nr	Alarm	Cause	Heat pump operation	Type
255	Motor protection alarm, brine pump	Motor protoection on the brine pump triggered	Current comperssor blocked. Automatic reset.	
257	Com. error ACS45	No communication temporarily with accessory card	Accessory blocked	
258	Sensor fault EQ1-BT57	Sensor not connected/defective (Cooling brine)		
259	Sensor fault EQ1-BT75	Sensor not connected/defective (cooling flow heat pump)		
261	This alarm was generated by the heat pump	Temperature deviation on the heat exchanger sensor (Tho-R1/R2) five times within 60 minutes or continuously in 60 minutes	Compressor blocked	
262	This alarm was generated by the heat pump	Overheat power transistor	Compressor blocked	
263	This alarm was generated by the heat pump	Incorrect voltage out from the inverter	Compressor blocked	
264	This alarm was generated by the heat pump	Communication between circuit board for the inverter and control card is interupted	Compressor blocked	
265	This alarm was generated by the heat pump	Continuous error on power transistor during 15 minutes	Compressor blocked	
266	This alarm was generated by the heat pump	Low refrigerant amount	Compressor blocked	
267	This alarm was generated by the heat pump	Inverter fault, boot failure	Compressor blocked	
268	This alarm was generated by the heat pump	Overcurrent, inverter A/F module	Compressor blocked	
270	Compressor preheater is active		Preheat	
270	Preheating	Preheat of the compressor is active	Compressor is blocked. Automatic reset.	
271	Cold outdoor air EB 101	EB 101 sending message to the controller	Compressor blocked	
272	Hot outdoor air	EB 101 sending message to the controller	Compressor blocked	
273	HW-start and HW-stop have been reset to factory settings	Adjustment of hotwater-settings because of short operation time	HW-start and HW-stop for economy and normal have been reset to factory settings	
274	Compressor phase overloaded	Load monitor has caused the compressor not to operate with desired power.		
275	Compressor phase overloaded longtime	Load monitor has caused the compressor not to operate with desired power.		
277	This alarm was generated by the heat pump	Sensor fault MHI exchanger	Compressor blocked	
278	This alarm was generated by the heat pump	Sensor fault MHI ambient air	Compressor blocked	
279	This alarm was generated by the heat pump	Sensor fault MHI discharge	Compressor blocked	
280	This alarm was generated by the heat pump	Sensor fault MHI suction	Compressor blocked	
281	This alarm was generated by the heat pump	Sensor fault MHI LP	Compressor blocked	
282	Comm.error ACC.-EQ1	Three communication error in a row has occurred towards the accessory card ACS 310	Accessory blocked. Temporary communication fault.	
283	Comm. Error Acc.-EQ1	Permanent communication error ACS310	Accessory blocked	
290	Fan alarm	The speed signal (tachometer signal) from the fan indicates that the fan speed is zero.	- Compressor stopped. - Immersion heater stopped. - Defrost stopped.	
291	Charge pump alarm	The speed signal (tachometer signal) from the charge pump indicates that the charge pump speed is zero.	- Compressor stopped. - Immersion heater stopped. - Defrost stopped.	

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Nr	Alarm	Cause	Heat pump operation	Type
294	Not compatible heatpump	The alarm occurs if the outdoor unit toward VVM320 is not a F2030-7, F2030-9, F2040-8, F2040-12. Faulty settings of the dip switches on the circuit board.	HW blocked. Unit cannot be restarted after power supply was off.	
299	Wrong version PCA Base	Firmware version on the base card (AA2) is too low for inverter communication.	Compressor blocked. Reset when the correct version is detected.	
301	Com. error slave 1	No communication temporarily with slave heat pump (EB101)	Slave compressor blocked	
302	Com. error slave 2	No communication temporarily with slave heat pump (EB102)	Slave compressor blocked	
303	Com. error slave 3	No communication temporarily with slave heat pump (EB103)	Slave compressor blocked	
304	Com. error slave 4	No communication temporarily with slave heat pump (EB104)	Slave compressor blocked	
305	Com. error slave 5	No communication temporarily with slave heat pump (EB105)	Slave compressor blocked	
306	Com.error slave 6	No communication temporarily with slave heat pump (EB106)	Slave compressor blocked	
307	Com. error slave 7	No communication temporarily with slave heat pump (EB107)	Slave compressor blocked	
308	Com. error slave 8	No communication temporarily with slave heat pump (EB108)	Slave compressor blocked	
325	Temperature limiter alarm for defrost element	Temperature limiter FD3 has tripped	Heatpump changes to passive defrost	
326	Fault in EB16	Active defrosting has failed three times in a row	Heat pump merges to passive defrost	
340	Anti-freeze supply air	Supply air temperature (BT22) is below 11°C.	HW load blocked. Returns automatically when the supply air temperature exceeds 16°C.	
351	Uncertain sensor accuracy	Uncertain sensor accuracy on the brine sensors BT10 and BT11. The difference is more than 2K between them at calibration.	GP2 switches to manual speed if auto control is selected. Manual reset of auto control in menu 5.1.9	
352	Uncertain sensor accuracy	Uncertain sensor accuracy on the HM sensors BT2 and BT3. The difference is more than 2K between them at calibration.	GP1 switches to manual speed if auto control is selected. Manual reset of auto control in menu 5.1.11	
353	Uncertain sensor accuracy	Uncertain sensor accuracy on the HM sensors BT3 and BT12. The difference is more than 2K between them at calibration.	GP1 switches to manual speed if auto control is selected. Manual reset of auto control in menu 5.1.11	
354	Slave EB101	Delta BT3-BT12 is larger than 2K after calibration	Changes from auto to manual circulation pump speed. Uncertain sensor accuracy.	
355	Slave EB101	Delta BT3-BT63 is larger than 2K after calibration	Changes from auto to manual circulation pump speed. Uncertain sensor accuracy.	
356	Failed sensor calibration	Sensor calibration differs more than 2K between BT3 and BT63	GP1 will go over to manual operation	
372	Perm. com. error pool 2	No communication with the accessory card.	Accessory blocked.	
403	Sensor fault on EB101	Sensor fault detected on EB101 of the COM-interface MHI-EMMY	- Compressor blocked - If GP12 or GP1 is regulated by sensor EB101-BT3, they will swich to the manually set speed.	
404	Sensor fault on EB101	Sensor fault detected on EB101 of the COM-interface MHI-EMMY	- Compressor blocked	
412	Sensor fault on EB101-BT12	Sensor fault detected on EB101 of the COM-interface MHI-EMMY	- Compressor blocked - If GP12 or GP1 is regulated by sensor EB101-BT3, they will swich to the manually set speed.	
415	Sensor fault on EB101-BT15	Sensor fault detected on EB101 of the COM-interface MHI-EMMY	Compressor blocked	
420	Inverter alarm type II	A temporary communication alarm has occured.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is reset. The compressor will make a new attempt to start according to normal start routine.	

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Nr	Alarm	Cause	Heat pump operation	Type
421	Inverter alarm type II	A temporary communication alarm has occured 3 times within 2 hours or has been continuously for 1 h.	Compressor blocked. Manual reset in menu.	
422	Inverter alarm type II	A temporary alarm on the external input of the inverter has occured	Compressor stopped. Automatic reset 60 sec. after the inverter fault is reset. The compressor will make a new attempt to start according to normal start routine.	
423	Inverter alarm type II	A temporary alarm on the external input of the inverter has occurred 3 times within 2 hours or the input has been continuously broken for 1 hour.	Compressor blocked. Manual reset in menu.	
425	Triggered pressure switch	High pressure switch or low pressure switch is triggered.	Compressor blocked	
426	Inverter alarm type III	A temporarily fault in the inverter has occur.	Automatically reset 30 minutes after the inverter fault is corrected. Compressor stopped.	
427	Inverter alarm type III	A temporary internal fault in the inverter has occurred 3 times within 2 hours or continuously in 1 hour.	Compressor blocked. Manual reset in menu.	
428	Inverter alarm type III	A temporary internal fault in the inverter has occurred.	Compressor stopped. Automatic reset 60 sec. after the inverter alarm has been corrected.	
429	Inverter alarm type II	A temporary internal fault in the inverter has occurred 3 times within 2 hours or continuously in 1 hour.	Compressor blocked. Reset manually in menu.	
430	Inverter alarm type I	Phase voltage to the inverter has temporarily been too high.	Automatic reset 60 sec. after the fault is corrected. Compressor stopped.	
431	Inverter alarm type I	Phase voltage to the inverter has temporarily been too high more than 1 hour.	Reset manually in menu. Compressor blocked.	
432	Inverter alarm type I	Phase voltage to the inverter has temporarily been too low.	Automatic reset 60 sec. after the fault is corrected.	
433	Inverter alarm type I	Phase voltage to the inverter has been too low, below 180V in more than 1 hour.	Compressor blocked. Reset manually in menu.	
434	Inverter alarm type I	A compressor phase has temporarily been missing.	Compressor stopped. Automatic reset 60sec.	
435	Inverter alarm type I	A compressor phase continuously missing to the inverter for an hour.	Compressor blocked. Reset manually in menu.	
436	Inverter alarm type II	A temporary internal fault in the inverter has occurred.	Compressor stopped. Automatic reset 60 sec. after the inverter fault.	
437	Inverter alarm type II	A temporary inverter fault in the inverter has occurred 3 times within 2 hours or continuously in 1 hour.	Compressor blocked. Manual reset in menu.	
438	Inverter alarm type II	The inverter has temporary reach the maximum operating temperature because of poor cooling	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
439	Inverter alarm type II	The inverter has temporary reached maximum operating temperature because of poor cooling 3 times within 2 hours or been missing continuously in 1 hour.	Compressor blocked. Reset manually in menu.	
440	Inverter alarm type II	Max "power in" has temporary been too high.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
441	Inverter alarm type II	Max "power in" has temporary been too high 3 times within 2 hours or been missing continuously for an hour.	Compressor blocked. Reset manually in menu.	
442	Inverter alarm type II	Inverter has temporary reached max operating temperature because of poor cooling.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
443	Inverter alarm type II	Inverter has temporary reached max operating temperature because of poor cooling 3 times within 2 hours or been missing continuously in an hour.	Compressor blocked. Manual reset in menu.	
444	Inverter alarm type II	A temporary internal fault has occurred in the inverter.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
445	Inverter alarm type II	A temporary inverter fault has occurred 3 times within 2 hours or continuously in 1 hour.	Compressor blocked. Manual reset in menu.	
446	Inverter alarm type II	A compressor phase has temporarily been missing.	Compressor stopped. Automatic reset 60 sec. after the phase has been reset.	

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ALARM LIST
NIBE products with Emmy display

Nr	Alarm	Cause	Heat pump operation	Type
447	Inverter alarm type II	A phase has temporarily been missing 3 times within 2 hours or been missing continuously for 1 hour.	Compressor blocked. Manual reset in menu.	
448	Inverter alarm type II	The compressor has temporarily been operating with lower speed than allowed minimum speed.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
449	Inverter alarm type II	The compressor has temporarily been operating with lower speed than allowed minimum speed, 3 times within 2 hours or been missing continuously for 1 hour.	Compressor blocked. Manual reset is possible when the alarm has disappeared.	
450	Inverter alarm type III	Not used function (false alarm)		
451	Inverter alarm type III	Not used function (false alarm)		
452	Inverter alarm type II	Power out from inverter to compressor has temporarily been too high.	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
453	Inverter alarm type II	Power out from inverter to compressor has temporarily been too high 3 times within 2 hours or been missing continuously in 1 hour.	Compressor blocked. Manual reset in menu.	
454	Inverter alarm type II	Temporary too high output from the inverter has occurred.	Compressor stopped. Automatic reset 60 sec. after the inverter has occurred.	
455	Inverter alarm type II	Temporary too high output from the inverter has occurred 3 times within 2 hours or been missing continuously in 1 hour.	Compressor blocked. Manual reset in menu.	
460	Inverter alarm type II	(Only 1-phase) Too high "power in" to inverter has temporarily occurred. Can depend on low incomming power (>198 VAC)	Compressor stopped. Automatic reset 60 sec. after the inverter fault is corrected.	
461	Inverter alarm type II	(Only 1-phase) Too high "power in" to inverter has temporarily occurred 3 times within 2 hours or been missing continuously in 1 hour. Can depend on low incomming power (>198 VAC)	Compressor blocked. Manual reset in menu.	
468	Inverter alarm type III	Not used function (false alarm)		
469	Inverter alarm type III	Not used function (false alarm)		
470	Inverter alarm type III	Not used function (false alarm)		
471	Inverter alarm type III	Not used function (false alarm)		
472	Inverter alarm type III	Not used function (false alarm)		
473	Inverter alarm type III	Not used function (false alarm)		
474	Inverter alarm type III	Not used function (false alarm)		
475	Inverter alarm type III	Not used function (false alarm)		
476	Inverter alarm type III	Not used function (false alarm)		
477	Inverter alarm type III	Not used function (false alarm)		
478	Inverter alarm type III	Not used function (false alarm)		
479	Inverter alarm type III	Not used function (false alarm)		
480		Not used function (false alarm)		
481	Inverter alarm type III	Not used function (false alarm)		
995	External alarm	An alarm according to chosen on the AUX-entrance.	Only information. Automatic reset when closing the entrance is broken.	
996	Blocked	External addition heat blocked through AUX-input.	Automatic reset when closing over the entrance is broken. Additional heat blocked.	
997	Blocked	External compressor blocked through AUX-input.	Automatic reset when closing over the entrance is broken. Compressor blocked.	
998	Starts/ 998	Display/machine restarts		

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