Carel address	Modbus Address	Description DIGITAL VARIABLES (COILS)	Notes	Unit measure	Read - write	Min value	Max Value
(1)	2	System On DIGITAL VARIABLES (COILS)		STATUS	r		
2	3	Compressor 1		STATUS	r		
3	4	Compressor 2		STATUS	r		
5	5 6	Compressor 3 Compressor 4		STATUS	r		
6	7	Circulating Pump 1		STATUS STATUS	r r		
7	8	Circulating Pump 2		STATUS	r		
8	9	Circ. 1 Refrigerant shut-off valve		STATUS	r		
9	10	Circ. 2 Refrigerant shut-off valve		STATUS	r		
10	11	Heat recovery Pump	Option	STATUS	r		
11	12	Heat recovery Circuit 1	Option	STATUS	r		
12 13	13 14	Heat recovery Circuit 2 Antifreeze heaters	Option Option	STATUS	r r		
14	15	Circuit 1 Defrost	Heat pump	STATUS STATUS	r		
15	16	Circuit 2 Defrost	Heat pump	STATUS	r		
16	17	Low power consumption mode	Option	STATUS	r		
17	18	Winter mode	Heat pump	STATUS	r		
18	19	Free-cooling valve	Freecooling+Option	STATUS	r		
19	20	Free-cooling pump	Freecooling	STATUS	r		
20	21 22	Reserved Ucap working	Option	CTATUC	r r		
22	23	Inverter pump reduced speed	Оршоп	STATUS	'		
31	32	Loss of water flow prealarm (Autom.Reset)		AL	r		
32	33	Loss of water flow alarm		AL	r		
33	34	Low Pressure 1 PreAlarm (Autom.Reset)		AL	r		
34	35	Low Pressure 2 PreAlarm (Autom.Reset)		AL	r		
<mark>35</mark>	36	Low Pressure 1 Alarm		AL	r		
<mark>36</mark>	<mark>37</mark>	Low Pressure 2 Alarm		AL	r		
37	38	High Pressure 1 Alarm		AL	r		
38 39	39 40	High Pressure 2 Alarm Compressor 1 Overload Prealarm (Autom.Reset)		AL	r		
40	40	Compressor 1 Overload Prealarm (Autom.Reset) Compressor 2 Overload Prealarm (Autom.Reset)		AL AL	r r		
41	42	Compressor 3 Overload Prealarm (Autom.Reset)		AL	r		
42	43	Compressor 4 Overload Prealarm (Autom.Reset)		AL	r		
43	44	Compressor 1 Overload Alarm		AL	r		
44	45	Compressor 2 Overload Alarm		AL	r		
45	46	Compressor 3 Overload Alarm		AL	r		
46	47	Compressor 4 Overload Alarm		AL	r		
47	48	Circulating Pump 1 Overload Alarm		AL	r		
48	49 50	Circulating Pump 2 Overload Alarm Free-cooling Pump Overload Alarm		AL	r r		
50	51	Antifreeze 1 Prealarm (Automatic Reset)		AL AL	r		
51	52	Antifreeze 2 Prealarm (Automatic Reset)		AL	r		
52	53	Antifreeze 1 Alarm		AL	r		
53	54	Antifreeze 2 Alarm		AL	r		
54	55	Fase sequence alarm (Automatic Reset)		AL	r		
55	56	Fase sequence alarm		AL	r		
56	57	Fans thermal Prealarm (Automatic Reset)		AL	r		
57 58	58 59	Fans thermal alarm Net frequency error		AL	r		
59 59	60 60	Water inlet High Temperature Alarm		AL AL	r r		
60	61	Water inlet Low Temperature Alarm		AL	r		
61	62	Water Inlet Temp. Sensor Failure/Disconnected		AL	r		1
62	63	Water Outlet Temp. Sensor Failure/Disconnected		AL	r		
63	64	Water Tank Temp. Sensor Failure/Disconnected		AL	r		
64	65	Outdoor air Temp. Sensor Failure/Disconnected		AL	r		
65	66	Condensing 1 Press. Sensor Failure/Disconnected	1	AL	r		
66	67	Condensing 2 Press. Sensor Failure/Disconnected		AL	r		
67 68	68 69	Evaporating 1 Press. Sensor Failure/Disconnected Evaporating 2 Press. Sensor Failure/Disconnected	1	AL	r		
69	70	Water Inlet Press. Sensor Failure/Disconnected	1	AL AL	r		
70	71	Water Outlet Press. Sensor Failure/Disconnected		AL	r		
71	72	EXV 1 Temp. Sensor Failure/Disconnected		AL	r		
		EXV 2 Temp. Sensor Failure/Disconnected		AL	r		
72	73	· · · · · · · · · · · · · · · · · · ·	<u> </u>			L .	
73	74	EXV 1 Press. Sensor Failure/Disconnected		AL	r		
73 74	74 75	EXV 2 Press. Sensor Failure/Disconnected		AL	r		
73 74 75	74 75 76	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected		AL AL	r r		
73 74 75 76	74 75 76 77	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected		AL AL AL	r r r		
73 74 75 76 77	74 75 76 77 78	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected		AL AL AL	r r r		
73 74 75 76	74 75 76 77 78 79	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected		AL AL AL AL	r r r		
73 74 75 76 77 78	74 75 76 77 78	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected		AL AL AL AL AL	r r r		
73 74 75 76 77 78 79	74 75 76 77 78 79 80	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved		AL AL AL AL	r r r		
73 74 75 76 77 78 79 80	74 75 76 77 78 79 80 81	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved pCOe (address 3) expansion board offline		AL AL AL AL AL AL	r r r r		
73 74 75 76 77 78 79 80 81	74 75 76 77 78 79 80 81 82	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved pCOe (address 3) expansion board offline Compressor 1: hour counter threshold Alarm		AL AL AL AL AL AL AL AL	r r r r r r r		
73 74 75 76 77 78 79 80 81 82	74 75 76 77 78 79 80 81 82 83 84	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved PCOe (address 3) expansion board offline Compressor 1: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm		AL	r r r r r		
73 74 75 76 77 78 79 80 81 82 83 84	74 75 76 77 78 79 80 81 82 83 84 85	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved pCOe (address 3) expansion board offline Compressor 1: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm Compressor 4: hour counter threshold Alarm Circulating Pump 1: hour counter threshold Alarm		AL			
73 74 75 76 77 78 79 80 81 82 83	74 75 76 77 78 79 80 81 82 83 84	EXV 2 Press. Sensor Failure/Disconnected Heat recovery Water Input Temp. Sensor Failure/Disconnected Heat recovery Water Output Temp. Sensor Failure/Disconnected Water Tank Temp. Sensor Failure/Disconnected Additional Temp. Sensor Failure/Disconnected Reserved PCOe (address 3) expansion board offline Compressor 1: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm Compressor 3: hour counter threshold Alarm		AL			

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		TRA - ERA - ISA Seriai Variable	1				
89	90	Main Board EEPROM failure		AL	r		
90	91	Interrupted LAN Alarm		AL	r		
91	92	Heat recovery 1 limit PreAlarm (Autom.Reset)		AL	r		
92	93	Heat recovery 2 limit PreAlarm (Autom.Reset)		AL	r		
93	94	Heat recovery 1 limit Alarm		AL	r		
		·					
94	95	Heat recovery 2 limit Alarm		AL	r		
95	96	Expansion valve 1 alarm		AL	r		
96	97	Expansion valve 2 alarm		AL	r		
97	98	Expansion valve 1 Low Superheat		AL	r		
98	99	Expansion valve 2 Low Superheat		AL	r		
99	100	Expansion valve 1 LOP protection alarm		AL	r		
100	101	Expansion valve 2 LOP protection alarm		AL	r		
101	102	Expansion valve 1 MOP protection alarm			r		
				AL			
102	103	Expansion valve 2 MOP protection alarm		AL	r		
103	104	Expansion valve 1 motor alarm		AL	r		
104	105	Expansion valve 2 motor alarm		AL	r		
105	106	Expansion valve 1 driver EEPROM failure		AL	r		
106	107	Expansion valve 2 driver EEPROM failure		AL	r		
107	108	Expansion valve 1 driver offline		AL	r		
108	109	Expansion valve 2 driver offline			r		
		•		AL			
109	110	Reserved			r		
110	111	Reserved			r		
111	112	Expansion valve driver firmware failure		AL	r		
112	113	Freecooling motorized valve blocked		AL	r		
113	114	Water High Pressure Alarm		AL	r		
114	115	Water Low Pressure Alarm		AL	r	1	
115	116	Inverter pump driver offline		AL	r		
116	117	Inverter pump driver offinite					
		· · ·			r	1	
117	118	Inverter pump driver alarm serius		AL	r		
<mark>118</mark>	119	Powersupply failure		AL	r		
119	120	OMI Offline		AL	r		
120	121	Heat recovery Loss of water flow alarm		AL	r		
121	122	Energy meter offline		AL	r	1	
122	123	Motorized switch offline		AL	r	1	
123	123	Electric Heaters Fuse Fault					
				AL	r		
124	125	Too many exchanges of power supply line		AL	r		
125	126	BMS Writing errore (value out of range)		AL	r		
126	127	BMS Writing cycles Exceeded		AL	r		
127	128	Gas Leakage Detection		AL	r		
128	129	Gas Leakage Detection: hour counter threshold Alarm		AL	r		
129	130	Compressor inverter discharge Temp. Sensor Failure/Disconnected			r	1	
				AL			
130	131	Compressor inverter low oil level		AL	r		
131	132	Compressor inverter trip alarm		AL	r		
132	133	Compressor inverter no trip alarm		AL	r		
133	134	EVD Driver Error trasmission parameters		AL	r		
134	135	Water circuit 2 Outlet Temp. Sensor Failure/Disconnected (ERA bicircuit)		AL	r		
135	136	pCOe (address 4) expansion board offline		AL	r	1	
136	137	Compressor inverter hi discharge temperature		AL	r	1	
137	138	Compressor inverter operative limits		STATUS	r		
147	148	General Alarm State		STATUS	r		
148	149	Alarm Rotation		STATUS	r		
149	150	Type A Alarm		STATUS	r		
150	151	Type B Alarm		STATUS	r		
151	152	Condensing coil 1 Refrigerant shut-off valve		STATUS	r		
152	153	Condensing coil 2 Refrigerant shut-off valve		STATUS	r		
153	154	Reserved (SPW read/write)		STATUS	r		
199	200	Reserved OMI watchdog		51A1U5	R/W		
		Summer/Winter mode remote control	Hoot pure				
201	202		Heat pump	STATUS	R/W	1	
202	203	Unit Remote Switch-On/Off Control		STATUS	R/W		
203	204	Buzzer and Alarm Remote Reset Control		STATUS	R/W		
204	205	Reserved					
205	206	Low power consumption enable	Option	STATUS	R/W		
206	207	Pump 1-2 Switch-over remote control		STATUS	R/W		
207	208	Set Back Mode (Sleep Mode)		STATUS	R/W		
	-	· · · ·		2.71103			
	<u> </u>	ANALOG VARIARI ES (UOLDINO INDUT REGI	 CTEDE\ · · · ·	40)		1	<u> </u>
		ANALOG VARIABLES (HOLDING or INPUT REGI	(all values x		_	1	ı
1	2	Water Outlet Temperature		°C	r		
2	3	Water Outlet Temp. used to ator		°C	r		
3	4	Water Inlet Temperature		°C	r		
4	5	Water Tank Temperature		°C	r		
5	6	Outdoor Air Temperature		°C	r		
6	7	Circuit 1 Condensing Temperature		°C	r	1	
7	8	Circuit 2 Condensing Temperature		°C	r		
8	9	Circuit 1 Evaporating Temperature		°C	r	1	
		1 2 1					
9	10	Circuit 2 Evaporating Temperature		°C	r		
10	11	Circuit 1 Condensing Pressure		Bar	r		
11	12	Circuit 2 Condensing Pressure		Bar	r		
12	13	Circuit 1 Evaporating Pressure		Bar	r		
13	14	Circuit 2 Evaporating Pressure		Bar	r		
14	15	Fan Speed Modul.Ramp (0-100,0%)		%	r		
15	16	Delivery Water Temp. Actual Set Point	1	°C	r	1	
16		Delivery Water Temp. Actual Set Point Delivery Water Temp. Max. Hysteresi					
	17			°C	r		
17	18	Offset supervisor		°C	R/W	0,1	

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18	19	Delivery Water Temp. Summer STD Set Point		°C	R/W	6.0 (2)	13.0 (2)
19	20	Delivery Water Temp. Summer OPT Set Point		°C	R/W	6.0 (2)	13.0 (2)
20	21	Del.Water T. Summer SetBack mode SetP.		°C	R/W	6.0 (2)	13.0 (2)
21	22	Delivery Water Temp. Winter Set Point	Heat pump	°C	R/W	28,0	53,0
22	23	Del.Water T. Winter SetBack mode SetP	Heat pump	°C	R/W	28,0	53,0
23	24	CW inlet High Temp.Summer Alarm Threshold		°C	R/W	-15,0	25,0
24	25	CW inlet Low Temp.Summer Alarm Threshold		°C	R/W	-15,0	25,0
25	26	CW inlet High Temp. Alarm Winter Threshold		°C	R/W	30,0	58,0
26	27	CW inlet Low Temp. Alarm Winter Threshold		°C	R/W	20,0	50,0
27	28	Summer T.ext Compens.: P1 T.ext SetP.		°C	R/W	-10,0	45,0
28	29	Summer T.ext Compens.: P2 T.wout SetP.		°C	R/W	6.0 (2)	13.0 (2)
29	30	Summer T.ext Compens.: P2 T.ext SetP.		°C	R/W	-10,0	45,0
30	31	Winter T.ext Compens.: P1 T.ext SetP.	Heat pump	°C	R/W	-10,0	15,0
31	32	Winter T.ext Compens.: P2 T.wout SetP.	Heat pump	°C	R/W	28,0	53,0
32	33	Winter T.ext Compens.: P2 T.ext SetP.	Heat pump	°C	R/W	-10,0	15,0
33	34	Free-Cooling Activation Set Point	Freecooling	°C	R/W	3,0	9,9
34	35	Circuit 1 superheating		°C	r		
35	36	Circuit 2 superheating		°C	r		
36	37	Delivery Water Temp. Winter OPT Set Point	Heat pump	°C	R/W	28,0	53,0
37	38	Summer/Winter Autom.Switch On Winter	Heat pump	°C	R/W	-15,0	18,0
38	39	Summer/Winter Autom.Switch On Summer	Heat pump	°C	R/W	8,0	18,0
39	40	Circuit 1 liquid refrigerant temperature	Optional	°C	r		
40	41	Circuit 2 liquid refrigerant temperature	Optional	°C	r		
41	42	Circuit 1 subcooling	Optional	°C	r		
42	43	Circuit 2 subcooling	Optional	°C	r		
43	44	Expansion valve 1 position percentage		%	r		
44	45	Expansion valve 2 position percentage		%	r		
45	46	Circuit 1 superheating setpoint		°C	r		
46	47	Circuit 2 superheating setpoint		°C	r		
47	48	Heat recovery water inlet temperature	Optional	°C	r		
48	49	Heat recovery water outlet temperature	Optional	°C	r		
49	50	Regulation Ramp		%	r		
50	51	Inverter Pump speed max	Optional	%	R/W	0,0	100,0
51	52	Inverter Pump speed min	Optional	%	R/W	0,0	100,0
61	62	Water Circuit 1 Outlet Temperature	ERA bicircuit	°C	r		
62	63	Water Circuit 2 Outlet Temperature	ERA bicircuit	°C	r		
63	64	Compressor 1 discharge temperature	ISA	°C	r		
64	65	Compressor 1 Frequency	ISA	Hz	r		
65	66	Compressor 1 Required	ISA	%	r		
66	67						
67	68						
68	69	Reserved (FC Regramp)	Freecooling	%	r		
69	70	Reserved (SetP_regcond)	Reserved		r		
70	71	Reserved (kp_regcond)	Reserved		r		

Notes:

(2)	SetPoin t	that can be changed via user display				
		INTEGER VARIABLES (HOLDING or INPUT	REGISTERS)			
1	5003	Compressor 1 hour counter		h	r	
2	5004	Compressor 2 hour counter		h	r	
3	5005	Compressor 3 hour counter		h	r	
4	5006	Compressor 4 hour counter		h	r	
5	5007	Circulating Pump 1 hour counter		h	r	
6	5008	Circulating Pump 2 hour counter		h	r	
7	5009	Free-cooling Pump hour counter		h	r	
8	5010	Compressor 1 Starting counter		h	r	
9	5011	Compressor 1 Starting counter x10.000		nx10 ⁴	r	
10	5012	Compressor 2 Starting counter		n	r	
11	5013	Compressor 2 Starting counter x10.000		nx10 ⁴	r	
12	5014	Compressor 3 Starting counter		n	r	
13	5015	Compressor 3 Starting counter x10.000		nx10 ⁴	r	
14	5016	Compressor 4 Starting counter		n	r	
15	5017	Compressor 4 Starting counter x10.000		nx10 ⁴	r	
16	5018	Circuit 1 Defrost counter		n	r	
17	5019	Circuit 1 Defrost counter x10.000		nx10 ⁴	r	
18	5020	Circuit 2 Defrost counter		n	r	
19	5021	Circuit 2 Defrost counter x10.000		nx10 ⁴	r	
20	5022	Both Circuit Defrost counter		n	r	
21	5023	Both Circuit Defrost counter x10.000		nx10 ⁴	r	
22	5024	Non Performing Defrost counter		n	r	
23	5025	Non Performing Defrost counter x10.000		nx10 ⁴	r	
24	5026	Unit Type		n	r	
25	5027	Circulating Pump Config. (0,1 or 2 Pumps)		n	r	
26	5028	Total of units connected in LAN		n	r	
27	5029	Comp.1 Status (0=Wait to start, 1=Off, 2=On, 3=Pump.Down, 4=alarm, 5=Manual)		n	r	
28	5030	Comp.2 Status		n	r	
29	5031	Comp.3 Status		n	r	
30	5032	Comp.4 Status		n	r	
31	5033	Pump 1 Status		n	r	
32	5034	Pump 2 Status		n	r	
33	5035	FC Pump Status	Freecooling	n	r	
34	5036	Actual set Point mode (0=std,1= T.ext Compens., 2=OPT SetP., 3=Setback SetP., 4=Remote Offset		n	r	
35	5037	Reserved		n	r	

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303 S0000 Reserved Reserved Pleas propo n. o. r. o.			TRA - ERA - ISA Serial Variable					
Second Second Policy Sec	36	5038	Reserved		n	r		
99 1941 Sepalation State Transcary	37	5039	Last Defrost Lenght	Heat pump	n	r		
60.62 Low Pressum Delay	38	5040	Restart Delay		s	R/W	0	300
5042 Low Presence Delay	39	5041	Regulation Start Transitory		s	R/W	15	99
5044 Not used	40	5042	Low Pressure Delay		s	R/W		300
5044 Not used	41	5043	Water High/Low Temp. Alarm Delay		min	R/W		99
44 3046 Nun-Standby pump switch-over tree H RW 1 99	42	5044						
44 3046 Nun-Standby pump switch-over tree H RW 1 99	43	5045	Stand-by Unit Switch-over time		h	R/W	0	999
649 Sebbet Mobio Cyclical start								
64 Google Compact southing hours threshold								
449			·					
48			1 - 1					
49 50.01 Comput. Averling bouts threshold			1					
500 2002 Pump vooking hours threshold			1 - 1					
551 5063 Pump 2 working hours threshold								
SSC SSC Charm working hours threshold								
SSS Secreted			· · · · · ·					
556 5565 Reserved					h *100		0	320
555 5567 Expansion valve 1 position steps								
556 5558 Expansion valve 2 position steps						r		
577 5059 Water pressure: max. pressure recorded 0ptional KPa r					steps			
Section Sect			· · · · · · · · · · · · · · · · · · ·					
596 Soft Current hour	57	5059		optional	kPa	r		
60 5062 current mutule	58	5060	Not used					
61 9063 current day	59	5061	Current hour					
62 9064 Current month	60	5062	current minute					
63 5065 Current year	61	5063	current day					
64 5066 Unit series	62	5064	current month					
64 5066 Unit series	63	5065	current year					
66 5068 Unit type	64	5066	Unit series					
66	65							
67	66		**					
So								
69 5071 Reserved Reserve			**					
To So So Unit serial number Part 3								
71								
72 5074 Unit serial number Part 5								
Total Soft Not used Soft Not used Soft Soft								
Total								
Total Post								
Total head pressure Some surver (it_regoond_calc) Some s								
77 5079 Summer/Winter Autom. Switch Delay on Winter Heat pump s R/W 1 300 78 5080 Summer/Winter Autom. Switch Delay on Summer Heat pump s R/W 1 300 79 5081 Inverter Pump Total head setpoint optional kPa R/W 5 350 80 5082 Reserved (Special parameter BMS ports) R/W 5 350 81 5083 Reserved (PMS1) optional r 82 5084 Reserved (Igital compressed 1) r								
78 5080 Summer/Winter Autom. Switch Delay on Summer Heat pump s RW 1 300 79 5081 Inverter Pump Total head setpoint optional kPa RW 5 350 80 5082 Reserved (Special parameter BMS ports) c RW c								
79 5081 Inverter Pump Total head setpoint optional kPa R/W 5 350 80 5082 Reserved (Special parameter BMS ports) RR/W			·					
Solid Reserved (Special parameter BMS ports) R/W				Heat pump			1	
81 5083 Reserved (PMS1) optional				optional	kPa		5	350
82 5084 Reserved (digital compressed 1) r r	80	5082				R/W		
83 5085 Reserved (tL_regcond_calc)	81	5083	Reserved (PMS1)	optional		r		
84 5086 Reserved (td_regond_calc) r r	82	5084	Reserved (digital compressed 1)			r		
84 5086 Reserved (td_regcond_calc) r <td< td=""><td>83</td><td>5085</td><td>Reserved (ti_regcond_calc)</td><td></td><td></td><td>r</td><td></td><td></td></td<>	83	5085	Reserved (ti_regcond_calc)			r		
Inverter pump KPa r	84					r		
86 5088 Water input pressure Inverter pump KPa r Inverter pump 87 5089 Water output pressure Inverter pump KPa r Inverter pump 88 5090 Unit serial number Part 1 r Inverter pump r r Inverter pump Inverter pump r Inverter pump	85	5087	Total head pressure	Inverter pump	kPa	r		
87 5089 Water output pressure Inverter pump KPa r Inverter pump RPa r Inverter pump RPa r Inverter pump RPa r Inverter pump RPa r Inverter pump Invert	86	5088			kPa	r		
88 5090 Unit serial number Part 1 r r 89 5091 Unit serial number Part 2 r r 90 5092 Unit serial number Part 3 r r 100 5102 Reserved (serial password) R/W r 101 5103 Reserved (ID serial password) r r 123 5125 Reserved (OMI unit connected) r r 125 5127 Reserved (OMI pCO_Type) r r 126 5128 Reserved (OMI BMS_EXTENSION) r r				1				
89 5091 Unit serial number Part 2 r str. r str. st								
90 5092 Unit serial number Part 3 r Image: control of the part of the p				†	—			
100 5102 Reserved (serial password) R/W 101 101 5103 Reserved (ID serial password) r 101 123 5125 Reserved (OMI unit connected) r 101 125 5127 Reserved (OMI pCO_Type) r 101 126 5128 Reserved (OMI BMS_EXTENSION) r 101				1	—			
101 5103 Reserved (ID serial password) r					<u> </u>			
123 5125 Reserved (OMI unit connected) r 125 5127 Reserved (OMI pCO_Type) r 126 5128 Reserved (OMI BMS_EXTENSION) r					 			
125 5127 Reserved (OMI pCO_Type) r - 126 5128 Reserved (OMI BMS_EXTENSION) r -					1			
126 5128 Reserved (OMI BMS_EXTENSION) r			,		-			
127 5129 Reserved (OMI offset) RW			·					
	127	5129	Reserved (UMI offset)			R/W		