BCWC digital variables (COILS)

variable address	description	variable type	MODBUS Database (e.g. address -> bit nr.)			
			unit 1	unit 2	unit 3	unit n
0	Not used	…	1	201	401	(n-1)*200+1
1	SYSTEM_ON	r	2	202	402	(n-1)*200+2
2	SPIN1 (COMPRESSOR 1 ON)	r	3	203	403	(n-1)*200+3
3	SPIN2 (COMPRESSOR 2 ON)	r	4	204	404	(n-1)*200+4
4	SPIN3 (COMPRESSOR 3 ON)	r	5	205	405	(n-1)*200+5
5	SPIN4 (COMPRESSOR 4 ON)	r	6	206	406	(n-1)*200+6
6	COMPRESSOR 1 HOTGAS ELECTROVALVE	r	7	207	407	(n-1)*200+7
7	COMPRESSOR 2 HOTGAS ELECTROVALVE	r	8	208	408	(n-1)*200+8
8	COMPRESSOR 3 HOTGAS ELECTROVALVE	r	9	209	409	(n-1)*200+9
9	COMPRESSOR 4 HOTGAS ELECTROVALVE	r	10	210	410	(n-1)*200+10
10	RESERVED	r	11	211	411	(n-1)*200+11
11	RESERVED	r	12	212	412	(n-1)*200+12
12	RESERVED	r	13	213	413	(n-1)*200+13
13	RESERVED	r	14	214	414	(n-1)*200+14
14	COMPRESSOR 1 SYSTEM RESETTING	r	15	215	415	(n-1)*200+15
15	COMPRESSOR 2 SYSTEM RESETTING	r	16	216	416	(n-1)*200+16
16	COMPRESSOR 3 SYSTEM RESETTING	r	17	217	417	(n-1)*200+17
17	COMPRESSOR 4 SYSTEM RESETTING	r	18	218	418	(n-1)*200+18
18	COMPRESSOR 1 SYSTEM RAMPING UP	r	19	219	419	(n-1)*200+19
19	COMPRESSOR 2 SYSTEM RAMPING UP	r	20	220	420	(n-1)*200+20
20	COMPRESSOR 3 SYSTEM RAMPING UP	r	21	221	421	(n-1)*200+21
21	COMPRESSOR 4 SYSTEM RAMPING UP	r	22	222	422	(n-1)*200+22
22	COMPRESSOR 1 IGV CLOSE	r	23	223	423	(n-1)*200+23
23	COMPRESSOR 2 IGV CLOSE	r	24	224	424	(n-1)*200+24
24	COMPRESSOR 3 IGV CLOSE	r	25	225	425	(n-1)*200+25
25	COMPRESSOR 4 IGV CLOSE	r	26	226	426	(n-1)*200+26
26	RESERVED	r	27	227	427	(n-1)*200+27
27	RESERVED	r	28	228	428	(n-1)*200+28
28	RESERVED	r	29	229	429	(n-1)*200+29
29	RESERVED	r	30	230	430	(n-1)*200+30
30	COMPRESSOR 1 MAXIMUM FLOW	r	31	231	431	(n-1)*200+31
31	COMPRESSOR 2 MAXIMUM FLOW	r	32	232	432	(n-1)*200+32
32	COMPRESSOR 3 MAXIMUM FLOW	r	33	233	433	(n-1)*200+33
33	COMPRESSOR 4 MAXIMUM FLOW	r	34	234	434	(n-1)*200+34
34	RESERVED	r	35	235	435	(n-1)*200+35
35	RESERVED	r	36	236	436	(n-1)*200+36
36	RESERVED	r	37	237	437	(n-1)*200+37
37	RESERVED	r	38	238	438	(n-1)*200+38
38	COMPRESSOR 1 OPEN INTERLOCK	r	39	239	439	(n-1)*200+39
39	COMPRESSOR 2 OPEN INTERLOCK	r	40	240	440	(n-1)*200+40
40	COMPRESSOR 3 OPEN INTERLOCK	r	41	241	441	(n-1)*200+41
41	COMPRESSOR 4 OPEN INTERLOCK	r	42	242	442	(n-1)*200+42
42	COMPRESSOR 1 FAULT	r	43	243	443	(n-1)*200+43

BCWC : digital variables (COILS) (following)

variable address	Description	variable type	MODBUS Database (e.g. address -> bit nr.)			
			unit 1	unit 2	unit 3	unit n
43	COMPRESSOR 2 FAULT	r	44	244	444	(n-1)*200+44
44	COMPRESSOR 3 FAULT	r	45	245	445	(n-1)*200+45
45	COMPRESSOR 4 FAULT	r	46	246	446	(n-1)*200+46
46	COMPRESSOR 1 INVERTER HIGH TEMPERATURE	r	47	247	447	(n-1)*200+47
47	COMPRESSOR 2 INVERTER HIGH TEMPERATURE	r	48	248	448	(n-1)*200+48
48	COMPRESSOR 3 INVERTER HIGH TEMPERATURE	r	49	249	449	(n-1)*200+49
49	COMPRESSOR 4 INVERTER HIGH TEMPERATURE	r	50	250	450	(n-1)*200+50
50	RESERVED	r	51	251	451	(n-1)*200+51
51	RESERVED	r	52	252	452	(n-1)*200+52
52	RESERVED	r	53	253	453	(n-1)*200+53
53	RESERVED	r	54	254	454	(n-1)*200+54
54	AL. COMPRESSOR 1 INVERTER HIGH TEMPERATURE	r	55	255	455	(n-1)*200+55
55	AL. COMPRESSOR 2 INVERTER HIGH TEMPERATURE	r	56	256	456	(n-1)*200+56
56	AL. COMPRESSOR 3 INVERTER HIGH TEMPERATURE	r	57	257	457	(n-1)*200+57
57	AL. COMPRESSOR 4 INVERTER HIGH TEMPERATURE	r	58	258	458	(n-1)*200+58
58	AL. COMPR. 1 INVERTER ANOMALY TEMPERATURE	r	59	259	459	(n-1)*200+59
59	AL. COMPR. 2 INVERTER ANOMALY TEMPERATURE	r	60	260	460	(n-1)*200+60
60	AL. COMPR. 3 INVERTER ANOMALY TEMPERATURE	r	61	261	461	(n-1)*200+61
61	AL. COMPR. 4 INVERTER ANOMALY TEMPERATURE	r	62	262	462	(n-1)*200+62
62	AL. COMPRESSOR 1 LOW PRESSURE ANOMALY	r	63	263	463	(n-1)*200+63
63	AL. COMPRESSOR 2 LOW PRESSURE ANOMALY	r	64	264	464	(n-1)*200+64
64	AL. COMPRESSOR 3 LOW PRESSURE ANOMALY	r	65	265	465	(n-1)*200+65
65	AL. COMPRESSOR 4 LOW PRESSURE ANOMALY	r	66	266	466	(n-1)*200+66
66	AL. COMPRESSOR 1 HIGH PRESSURE ANOMALY	r	67	267	467	(n-1)*200+67
67	AL. COMPRESSOR 2 HIGH PRESSURE ANOMALY	r	68	268	468	(n-1)*200+68
68	AL. COMPRESSOR 3 HIGH PRESSURE ANOMALY	r	69	269	469	(n-1)*200+69
69	AL. COMPRESSOR 4 HIGH PRESSURE ANOMALY	r	70	270	470	(n-1)*200+70
70	AL. COMPRESSOR 1 HIGH CURRENT ANOMALY	r	71	271	471	(n-1)*200+71
71	AL. COMPRESSOR 2 HIGH CURRENT ANOMALY	r	72	272	472	(n-1)*200+72
72	AL. COMPRESSOR 3 HIGH CURRENT ANOMALY	r	73	273	473	(n-1)*200+73
73	AL. COMPRESSOR 4 HIGH CURRENT ANOMALY	r	74	274	474	(n-1)*200+74
74	AL. COMPR. 1 HIGH TEMPERATURE CAVITY ANOMALY	r	75	275	475	(n-1)*200+75
75	AL. COMPR. 2 HIGH TEMPERATURE CAVITY ANOMALY	r	76	276	476	(n-1)*200+76
76	AL. COMPR. 3 HIGH TEMPERATURE CAVITY ANOMALY	r	77	277	477	(n-1)*200+77
77	AL. COMPR.1 HIGH TEMPERATURE CAVITY ANOMALY	r	78	278	478	(n-1)*200+78
78	AL. COMPR. 1 TOT COMPRESSION RATIO ANOMALY	r	79	279	479	(n-1)*200+79
79	AL. COMPR. 2 TOT COMPRESSION RATIO ANOMALY	r	80	280	480	(n-1)*200+80
80	AL. COMPR. 3 TOT COMPRESSION RATIO ANOMALY	r	81	281	481	(n-1)*200+81
81	AL. COMPR. 4 TOT COMPRESSION RATIO ANOMALY	r	82	282	482	(n-1)*200+82
82	AL. COMPRESSOR 1 SCR HIGH TEMPERATURE	r	83	283	483	(n-1)*200+83
83	AL. COMPRESSOR 2 SCR HIGH TEMPERATURE	r	84	284	484	(n-1)*200+84
84	AL. COMPRESSOR 3 SCR HIGH TEMPERATURE	r	85	285	485	(n-1)*200+85
85	AL. COMPRESSOR 4 SCR HIGH TEMPERATURE	r	86	286	486	(n-1)*200+86

BCWC : digital variables (COILS) (following)

variable address	Description	variable type	MODBUS Database (e.g. address -> bit nr.)			
			unit 1	unit 2	unit 3	unit n
86	AL. COMPR. 1 INVERTER HIGH TEMPERATURE	r	87	287	487	(n-1)*200+87
87	AL. COMPR. 2 INVERTER HIGH TEMPERATURE	r	88	288	488	(n-1)*200+88
88	AL. COMPR. 3 INVERTER HIGH TEMPERATURE	r	89	289	489	(n-1)*200+89
89	AL. COMPR. 4 INVERTER HIGH TEMPERATURE	r	90	290	490	(n-1)*200+90
90	AL. COMPRESSOR 1 INVERTER TEMPERATURE	r	91	291	491	(n-1)*200+91
91	AL. COMPRESSOR 2 INVERTER TEMPERATURE	r	92	292	492	(n-1)*200+92
92	AL. COMPRESSOR 3 INVERTER TEMPERATURE	r	93	293	493	(n-1)*200+93
93	AL. COMPRESSOR 4 INVERTER TEMPERATURE	r	94	294	494	(n-1)*200+94
94	AL. COMPRESSOR 1 LOW PRESSURE	r	95	295	495	(n-1)*200+95
95	AL. COMPRESSOR 2 LOW PRESSURE	r	96	296	496	(n-1)*200+96
96	AL. COMPRESSOR 3 LOW PRESSURE	r	97	297	497	(n-1)*200+97
97	AL. COMPRESSOR 4 LOW PRESSURE	r	98	298	498	(n-1)*200+98
98	AL. COMPRESSOR 1 HIGH PRESSURE	r	99	299	499	(n-1)*200+99
99	AL. COMPRESSOR 2 HIGH PRESSURE	r	100	300	500	(n-1)*200+100
100	AL. COMPRESSOR 3 HIGH PRESSURE	r	101	301	501	(n-1)*200+101
101	AL. COMPRESSOR 4 HIGH PRESSURE	r	102	302	502	(n-1)*200+102
102	AL. COMPRESSOR 1 HIGH CURRENT	r	103	303	503	(n-1)*200+103
103	AL. COMPRESSOR 2 HIGH CURRENT	r	104	304	504	(n-1)*200+104
104	AL. COMPRESSOR 3 HIGH CURRENT	r	105	305	505	(n-1)*200+105
105	AL. COMPRESSOR 4 HIGH CURRENT	r	106	306	506	(n-1)*200+106
106	AL. COMPRESSOR 1 HIGH TEMPERATURE CAVITY	r	107	307	507	(n-1)*200+107
107	AL. COMPRESSOR 2 HIGH TEMPERATURE CAVITY	r	108	308	508	(n-1)*200+108
108	AL. COMPRESSOR 3 HIGH TEMPERATURE CAVITY	r	109	309	509	(n-1)*200+109
109	AL. COMPRESSOR41 HIGH TEMPERATURE CAVITY	r	110	310	510	(n-1)*200+110
110	AL. COMPRESSOR 1 TOTAL COMPRESSION RATIO	r	111	311	511	(n-1)*200+111
111	AL. COMPRESSOR 2 TOTAL COMPRESSION RATIO	r	112	312	512	(n-1)*200+112
112	AL. COMPRESSOR 3 TOTAL COMPRESSION RATIO	r	113	313	513	(n-1)*200+113
113	AL. COMPRESSOR 4 TOTAL COMPRESSION RATIO	r	114	314	514	(n-1)*200+114
114	AL. COMPRESSOR 1 BEARING MOTOR FAULT	r	115	315	515	(n-1)*200+115
115	AL. COMPRESSOR 2 BEARING MOTOR FAULT	r	116	316	516	(n-1)*200+116
116	AL. COMPRESSOR 3 BEARING MOTOR FAULT	r	117	317	517	(n-1)*200+117
117	AL. COMPRESSOR 4 BEARING MOTOR FAULT	r	118	318	518	(n-1)*200+118
118	AL. COMPRESSOR 1 SCR TEMPERATURE FAULT	r	119	319	519	(n-1)*200+119
119	AL. COMPRESSOR 2 SCR TEMPERATURE FAULT	r	120	320	520	(n-1)*200+120
120	AL. COMPRESSOR 3 SCR TEMPERATURE FAULT	r	121	321	521	(n-1)*200+121
121	AL. COMPRESSOR 4 SCR TEMPERATURE FAULT	r	122	322	522	(n-1)*200+122
122	AL. COMPRESSOR 1 DC-BUS VOLTAGE BELOW ACCEPTABLE MINIMUM VALUE	r	123	323	523	(n-1)*200+123
123	AL. COMPRESSOR 2 DC-BUS VOLTAGE BELOW ACCEPTABLE MINIMUM VALUE	r	124	324	524	(n-1)*200+124
124	AL. COMPRESSOR 3 DC-BUS VOLTAGE BELOW ACCEPTABLE MINIMUM VALUE	r	125	325	525	(n-1)*200+125
125	AL. COMPRESSOR 4 DC-BUS VOLTAGE BELOW ACCEPTABLE MINIMUM VALUE	r	126	326	526	(n-1)*200+126
126	ANTIFREEZE WARNING	r	127	327	527	(n-1)*200+127
127	ANTIFREEZE ALLARM	r	128	328	528	(n-1)*200+128

BCWC : digital variables (COILS) (following)

variable address	Description	variable type	MODBUS Database (e.g. address -> bit nr.)			
			unit 1	unit 2	unit 3	unit n
128	WATER IN TEMPERATURE ABOVE MAXIMUM LIMIT	r	129	329	529	(n-1)*200+129
129	WATER IN TEMPERATURE BELOW LOW LIMIT	r	130	330	530	(n-1)*200+130
130	EVAPORATOR WATER FLOW FAILURE	r	131	331	531	(n-1)*200+131
131	CONDENSING WATER FLOW FAILURE	r	132	332	532	(n-1)*200+132
132	COMPRESSOR 1 HIGH PRESSURE	r	133	333	533	(n-1)*200+133
133	COMPRESSOR 2 HIGH PRESSURE	r	134	334	534	(n-1)*200+134
134	COMPRESSOR 3 HIGH PRESSURE	r	135	335	535	(n-1)*200+135
135	COMPRESSOR 4 HIGH PRESSURE	r	136	336	536	(n-1)*200+136
136	COMPRESSOR 1 LOW PRESSURE	r	137	337	537	(n-1)*200+137
137	COMPRESSOR 2 LOW PRESSURE	r	138	338	538	(n-1)*200+138
138	COMPRESSOR 3 LOW PRESSURE	r	139	339	539	(n-1)*200+139
139	COMPRESSOR 4 LOW PRESSURE	r	140	340	540	(n-1)*200+140
140	WATER IN TEMPERATURE SENSOR FAILURE	r	141	341	541	(n-1)*200+141
141	WATER OUT TEMPERATURE SENSOR FAILURE	r	142	342	542	(n-1)*200+142
142	CIRCUIT 1 CONDENSING PRESSURE SENSOR FAILURE	r	143	343	543	(n-1)*200+143
143	CIRCUIT 1 LIQUID TEMPERATURE SENSOR FAILURE	r	144	344	544	(n-1)*200+144
144	HOT WATER IN TEMPERATURE SENSOR FAILURE	r	145	345	545	(n-1)*200+145
145	HOT WATER OUT TEMPERATURE SENSOR FAILURE	r	146	346	546	(n-1)*200+146
146	EVAPORATOR LEVEL 1 TRASDUCER FAILURE	r	147	347	547	(n-1)*200+147
147	EVAPORATOR LEVEL 2 TRASDUCER FAILURE	r	148	348	548	(n-1)*200+148
148	ALARM A	r	149	349	549	(n-1)*200+149
149	ALARM B	r	150	350	550	(n-1)*200+150
150	GENERAL ALARM	r	151	351	551	(n-1)*200+151
152	UNIT ON/OFF	r/w	153	353	553	(n-1)*200+51
154	ALARM RESET	r/w	154	354	554	(n-1)*200+52

BCWC: analog variables (HOLDING or INPUT REGISTERS)

(all values x 10)

variable address	description	m.u.	variable type	MODBUS Database (e.g. address -> bit nr.)			
				unit 1	unit 2	unit 3	unit n
0	Not used	-	-	1	257	513	(n-1)*256+1
1	WATER OUT TEMPERATURE	°C	r	2	258	514	(n-1)*256+2
2	WATER INPUT TEMPERATURE	°C	r	3	259	515	(n-1)*256+3
3	HOT WATER OUT TEMPERATURE	°C	r	4	260	516	(n-1)*256+4
4	HOT WATER INPUT TEMPERATURE	°C	r	5	261	517	(n-1)*256+5
5	COMPR. 1 EVAPORATOR TEMPERATURE	°C	r	6	262	518	(n-1)*256+6
6	COMPR. 2 EVAPORATOR TEMPERATURE	°C	r	7	263	519	(n-1)*256+7
7	COMPR. 3 EVAPORATOR TEMPERATURE	°C	r	8	264	520	(n-1)*256+8
8	COMPR. 4 EVAPORATOR TEMPERATURE	°C	r	9	265	521	(n-1)*256+9
9	COMPRESSOR 1 CONDENSING TEMPERATURE	°C	r	10	266	522	(n-1)*256+10
10	COMPRESSOR 2 CONDENSING TEMPERATURE	°C	r	11	267	523	(n-1)*256+11
11	COMPRESSOR 3 CONDENSING TEMPERATURE	°C	r	12	268	524	(n-1)*256+12
12	COMPRESSOR 4 CONDENSING TEMPERATURE	°C	r	13	269	525	(n-1)*256+13
13	LIQUID TEMPERATURE	°C	r	14	270	526	(n-1)*256+14
14	LIQUID SATURATED TEMPERATURE	°C	r	15	271	527	(n-1)*256+15
15	SUBCOOLING	°C	r	16	272	528	(n-1)*256+16
16	COMPRESSORE 1 SUPERHEAT	°C	r	17	273	529	(n-1)*256+17
17	COMPRESSORE 2 SUPERHEAT	°C	r	18	274	530	(n-1)*256+18
18	COMPRESSORE 3 SUPERHEAT	°C	r	19	275	531	(n-1)*256+19
19	COMPRESSORE 4 SUPERHEAT	°C	r	20	276	532	(n-1)*256+20
20	COMPRESSOR 1 EVAPORATOR PRESSURE	kPa	r	21	277	533	(n-1)*256+21
21	COMPRESSOR 2 EVAPORATOR PRESSURE	kPa	r	22	278	534	(n-1)*256+22
22	COMPRESSOR 3 EVAPORATOR PRESSURE	kPa	r	23	279	535	(n-1)*256+23
23	COMPRESSOR 4 EVAPORATOR PRESSURE	kPa	r	24	280	536	(n-1)*256+24
24	COMPRESSOR 1 CONDENSING PRESSURE	kPa	r	25	281	537	(n-1)*256+25
25	COMPRESSOR 2 CONDENSING PRESSURE	kPa	r	26	282	538	(n-1)*256+26
26	COMPRESSOR 3 CONDENSING PRESSURE	kPa	r	27	283	539	(n-1)*256+27
27	COMPRESSOR 4 CONDENSING PRESSURE	kPa	r	28	284	540	(n-1)*256+28
28	LIQUID PRESSURE	kPa	r	29	285	541	(n-1)*256+29
29	COMPRESSORE 1 DISCHARGE TEMPERATURE	°C	r	30	286	542	(n-1)*256+30
30	COMPRESSORE 2 DISCHARGE TEMPERATURE	°C	r	31	287	543	(n-1)*256+31
31	COMPRESSORE 3 DISCHARGE TEMPERATURE	°C	r	32	288	544	(n-1)*256+32
32	COMPRESSORE 4 DISCHARGE TEMPERATURE	°C	r	33	289	545	(n-1)*256+33
33	COMPRESSORE 1 SCR TEMPERATURE	°C	r	34	290	546	(n-1)*256+34
34	COMPRESSORE 2 SCR TEMPERATURE	°C	r	35	291	547	(n-1)*256+35
35	COMPRESSORE 3 SCR TEMPERATURE	°C	r	36	292	548	(n-1)*256+36
36	COMPRESSORE 4 SCR TEMPERATURE	°C	r	37	293	549	(n-1)*256+37
37	COMPRESSORE 1 CAVITY TEMPERATURE	°C	r	38	294	550	(n-1)*256+38
38	COMPRESSORE 2 CAVITY TEMPERATURE	°C	r	39	295	551	(n-1)*256+39
39	COMPRESSORE 3 CAVITY TEMPERATURE	°C	r	40	296	552	(n-1)*256+40
40	COMPRESSORE 4 CAVITY TEMPERATURE	°C	r	41	297	553	(n-1)*256+41

BCWC: analog variables (HOLDING or INPUT REGISTERS)

(all values x 10)

variable address	description	m.u.	variable type	MODBUS Database (e.g. address -> bit nr.)			
				unit 1	unit 2	unit 3	unit n
41	COMPRESSORE 1 BMC TEMPERATURE	°C	r	42	298	487	(n-1)*256+42
42	COMPRESSORE 2 BMC TEMPERATURE	°C	r	43	299	488	(n-1)*256+43
43	COMPRESSORE 3 BMC TEMPERATURE	°C	r	44	300	489	(n-1)*256+44
44	COMPRESSORE 4 BMC TEMPERATURE	°C	r	45	301	490	(n-1)*256+45
45	COMPRESSORE 1 BACKPLANE PCB	°C	r	46	302	491	(n-1)*256+46
46	COMPRESSORE 2 BACKPLANE PCB	°C	r	47	303	492	(n-1)*256+47
47	COMPRESSORE 3 BACKPLANE PCB	°C	r	48	304	493	(n-1)*256+48
48	COMPRESSORE 4 BACKPLANE PCB	°C	r	49	305	494	(n-1)*256+49
49	COMPRESSOR 1 INVERTER TEMPERATURE	°C	r	50	306	495	(n-1)*256+50
50	COMPRESSOR 2 INVERTER TEMPERATURE	°C	r	51	307	496	(n-1)*256+51
51	COMPRESSOR 3 INVERTER TEMPERATURE	°C	r	52	308	497	(n-1)*256+52
52	COMPRESSOR 4 INVERTER TEMPERATURE	°C	r	53	309	498	(n-1)*256+53
53	COMPRESSOR 1 POWER DEMAND	%	r	54	310	499	(n-1)*256+54
54	COMPRESSOR 2 POWER DEMAND	%	r	55	311	500	(n-1)*256+55
55	COMPRESSOR 3 POWER DEMAND	%	r	56	312	501	(n-1)*256+56
56	COMPRESSOR 4 POWER DEMAND	%	r	57	313	502	(n-1)*256+57
57	COMPRESSOR 1 INLET GUIDE VANE	%	r	58	314	503	(n-1)*256+58
58	COMPRESSOR 2 INLET GUIDE VANE	%	r	59	315	504	(n-1)*256+59
59	COMPRESSOR 3 INLET GUIDE VANE	%	r	60	316	505	(n-1)*256+60
60	COMPRESSOR 4 INLET GUIDE VANE	%	r	61	317	506	(n-1)*256+61
61	COMPR. 1 ELECTRONIC VALVE POSITION	%	r	62	318	507	(n-1)*256+62
62	COMPR. 2 ELECTRONIC VALVE POSITION	%	r	63	319	508	(n-1)*256+63
63	COMPR. 3 ELECTRONIC VALVE POSITION	%	r	64	320	509	(n-1)*256+64
64	COMPR. 4 ELECTRONIC VALVE POSITION	%	r	65	321	510	(n-1)*256+65
65	EVAPORATOR ACTUAL LEVEL	%	r	66	322	511	(n-1)*256+66
66	COMPRESSORE 1 ACTUAL POWER DEMAND	kW	r	67	323	512	(n-1)*256+67
67	COMPRESSORE 2 ACTUAL POWER DEMAND	kW	r	68	324	513	(n-1)*256+68
68	COMPRESSORE 3 ACTUAL POWER DEMAND	kW	r	69	325	514	(n-1)*256+69
69	COMPRESSORE 4 ACTUAL POWER DEMAND	kW	r	70	326	515	(n-1)*256+70
70	COMPRESSORE 1 ACTUAL POWER ABSORBED	kW	r	71	327	516	(n-1)*256+71
71	COMPRESSORE 2 ACTUAL POWER ABSORBED	kW	r	72	328	517	(n-1)*256+72
72	COMPRESSORE 3 ACTUAL POWER ABSORBED	kW	r	73	329	518	(n-1)*256+73
73	COMPRESSORE 4 ACTUAL POWER ABSORBED	kW	r	74	330	519	(n-1)*256+74
74	COMPRESSOR 1 EARTH CURRENT	A	r	75	331	520	(n-1)*256+75
75	COMPRESSOR 2 EARTH CURRENT	A	r	76	332	521	(n-1)*256+76
76	COMPRESSOR 3 EARTH CURRENT	A	r	77	333	522	(n-1)*256+77
77	COMPRESSOR 4 EARTH CURRENT	A	r	78	334	523	(n-1)*256+78
78	SUMMER SETPOINT	°C	r/w	79	335	524	(n-1)*256+79
79	SUMMER SECOND SETPOINT	°C	r/w	80	336	525	(n-1)*256+79

BCWC: integer variables (HOLDING or INPUT REGISTERS)

variable address	description	m.u.	variable type	MODBUS Database (e.g. address -> bit nr.)			
				unit 1	unit 2	unit 3	unit n
0	Not Used	-	-	129	385	641	(n-1)*256+128+1
1	COMPRESSOR 1 ACTUAL SHAFT SPEED	Rpm	r	130	386	642	(n-1)*256+128+2
2	COMPRESSOR 2 ACTUAL SHAFT SPEED	Rpm	r	131	387	643	(n-1)*256+128+3
3	COMPRESSOR 3 ACTUAL SHAFT SPEED	Rpm	r	132	388	644	(n-1)*256+128+4
4	COMPRESSOR 4 ACTUAL SHAFT SPEED	Rpm	r	133	389	645	(n-1)*256+128+5
5	COMPR. 1 ESTIMATED MINIMUN SPEED	Rpm	r	134	390	646	(n-1)*256+128+6
6	COMPR. 2 ESTIMATED MINIMUN SPEED	Rpm	r	135	391	646	(n-1)*256+128+7
7	COMPR. 3 ESTIMATED MINIMUN SPEED	Rpm	r	136	392	648	(n-1)*256+128+8
8	COMPR. 4 ESTIMATED MINIMUN SPEED	Rpm	r	137	393	649	(n-1)*256+128+9
9	COMPR. 1 ESTIMATED MAXIMUN SPEED	Rpm	r	138	394	650	(n-1)*256+128+10
10	COMPR. 2 ESTIMATED MAXIMUN SPEED	Rpm	r	139	395	651	(n-1)*256+128+11
11	COMPR. 3 ESTIMATED MAXIMUN SPEED	Rpm	r	140	396	652	(n-1)*256+128+12
12	COMPR. 4 ESTIMATED MAXIMUN SPEED	Rpm	r	141	397	653	(n-1)*256+128+13
13	COMPRESSOR 1 MAINS VOLTAGE	V	r	142	398	654	(n-1)*256+128+14
14	COMPRESSOR 2 MAINS VOLTAGE	V	r	143	399	655	(n-1)*256+128+15
15	COMPRESSOR 3 MAINS VOLTAGE	V	r	144	400	656	(n-1)*256+128+16
16	COMPRESSOR 4 MAINS VOLTAGE	V	r	145	401	657	(n-1)*256+128+17
17	COMPRESSOR 1 MAINS CURRENT	A	r	146	402	658	(n-1)*256+128+18
18	COMPRESSOR 2 MAINS CURRENT	A	r	147	403	659	(n-1)*256+128+19
19	COMPRESSOR 3 MAINS CURRENT	A	r	148	404	660	(n-1)*256+128+20
20	COMPRESSOR 4 MAINS CURRENT	A	r	149	405	661	(n-1)*256+128+21
21	COMPRESSOR 1 SPARE DC REGULATION	V	r	150	406	662	(n-1)*256+128+22
22	COMPRESSOR 2 SPARE DC REGULATION	V	r	151	407	663	(n-1)*256+128+23
23	COMPRESSOR 3 SPARE DC REGULATION	V	r	152	408	664	(n-1)*256+128+24
24	COMPRESSOR 4 SPARE DC REGULATION	V	r	153	409	665	(n-1)*256+128+25
25	COMPRESSOR 1 BUS VOLTAGE	V	r	154	410	666	(n-1)*256+128+26
26	COMPRESSOR 2 BUS VOLTAGE	V	r	155	411	667	(n-1)*256+128+27
27	COMPRESSOR 3 BUS VOLTAGE	V	r	156	412	668	(n-1)*256+128+28
28	COMPRESSOR 4 BUS VOLTAGE	V	r	157	413	669	(n-1)*256+128+29
29	EVAPORATOR CALCULATED LEVEL	%	r	158	414	670	(n-1)*256+128+30
30	COMPRESSOR 1 RUN HOURS	h	r	159	415	671	(n-1)*256+128+31
31	COMPRESSOR 2 RUN HOURS	h	r	160	416	672	(n-1)*256+128+32
32	COMPRESSOR 3 RUN HOURS	h	r	161	417	673	(n-1)*256+128+33
33	COMPRESSOR 4 RUN HOURS	h	r	162	418	674	(n-1)*256+128+34
34	COMPRESSOR 1 PRESSURE RATIO		r	163	419	675	(n-1)*256+128+35
35	COMPRESSOR 1 PRESSURE RATIO (X 1000)		r	164	420	676	(n-1)*256+128+36
36	COMPRESSOR 2 PRESSURE RATIO		r	165	421	677	(n-1)*256+128+37
37	COMPRESSOR 2 PRESSURE RATIO (X 1000)		r	166	422	678	(n-1)*256+128+38

BCWC: integer variables (HOLDING or INPUT REGISTERS)

variable address	Description	m.u.	variable type	MODBUS Database (e.g. address -> bit nr.)			
				unit 1	unit 2	unit 3	unit n
38	COMPRESSOR 3 PRESSURE RATIO		r	167	423	679	(n-1)*256+128+39
39	COMPRESSOR 3 PRESSURE RATIO (X 1000)		r	168	424	680	(n-1)*256+128+40
40	COMPRESSOR 4 PRESSURE RATIO		r	169	425	681	(n-1)*256+128+41
41	COMPRESSOR 4 PRESSURE RATIO (X 1000)		r	170	426	682	(n-1)*256+128+42
129	CTRL_mode		r	258	514	770	(n-1)*256+128+130
130	CTRL_mode_c2		r	259	515	771	(n-1)*256+128+131
131	CTRL_mode_c3		r	260	516	772	(n-1)*256+128+132
132	CTRL_mode_c4		r	261	517	773	(n-1)*256+128+133