RCU 10/20 - ModBus F1320, F1330

Dokumentversion: 9
Datum: 2008-09-29
RCU-version: 2.03

Modbus reg.nr	Function	Menu	Qualification	Modbus reg.type	Modbus var.type	Bitmask	Res.	Fact.	Min	Max	Unit	Codeing	/Comment
1	ProductID	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	132 (0x84) = F1320 133 (0x85) = F1330	
2	System setting 1, Sub shunt	9.1.4	R	Holding register	Bit	0x0001	-	-	-	-	-	0 = Off 1 = On	
2	System setting 1, Pool	9.1.5	R	Holding register	Bit	0x0002	-	-	-	-	-	0 = Off 1 = On	
2	System setting 1, Hot water tank	9.1.6	R	Holding register	Bit	0x0008	-	-	-	-	-	0 = Off 1 = On	
2	System setting 1, Fixed condensing	9.1.7	R	Holding register	Bit	0x0010	-	-	-	-	-	0 = Off 1 = On	
2	System setting 1, Addit+D69ive	9.1.8	R	Holding register	Bitfält	0x00C0	-	-	-	-	-	0 = Off 1 = El. 2 = Oil 3 = Oil+El	
2	System setting 1, Extra collector	9.1.9	R	Holding register	Bitfält	0x0300	-	-	-	-	-	0 = Off 1 = air 2 = solar	
2	System setting 1, Cooling	9.1.10	R	Holding register	Bitfält	0x0C00	-	-	-	-	-	0 = Off 1 = HPAC bc 2 = HPAC ec 3 = Cooling tank 4=PK2 5=PK4	gk=grundkort-/ bc=basecard ek=expansionskort / ec=Expansion card
3	System setting 2, Operating mode extarnal circ. pump	-	R	Holding register	Bitfält	0x0006	-	-	-	-	-	1 = Continuos 2 = S178 (0 och 3 används ej)	
3	System setting 2, Room sensor	-	R	Holding register	Bitfält	0x1C00	-	-	-	-	-	0 = Från 1 = Roomthermostate 2 = RG 10 3 = Roomunit RE10	

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10	Operating status Master A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0 = Not used 3 = Heating 4 = Hot water 5 = Ext. control 6 = Off 7 = Wait 8 = Pool 9 = Cooling 10 = Heating/Cooling 25 = Extern block 30 = High temp. Heating returnr 31 = Low temp. Brine-out 32 = High temp. Brine-in 33 = High temp. hot gas 34 = High condensing flow 35 = Comm.alarm 50 = Sensor alarm Heating return 51 = Sensor alarm Brine-out 52 = Sensor alarm Hot gas 60 = Hot gas alarm 70 = LP-alarm 71 = HP-alarm 72 = MS-alarm 73 =Phase alarm 90 = Level sens alarm	
11	Operating status Master: B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
12	Operating status Slave 1:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
13	Operating status Slave 1:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
14	Operating status Slave 2:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
15	Operating status Slave 2:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
16	Operating status Slave 3:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
17	Operating status Slave 3:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
18	Operating status Slave 4:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
19	Operating status Slave 4:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
20	Operating status Slave 5:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
21	Operating status Slave 5:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
22	Operating status Slave 6:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
23	Operating status Slave 6:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
24	Operating status Slave 7:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
25	Operating status Slave 7:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
26	Operating status Slave 8:A	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
27	Operating status Slave 8:B	-	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0	See pos.10
40	Relay status Master Base card, Heating medium pump B	-	R	Holding register	Bit	0x0001	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, XHW-immersion heater	-	R	Holding register	Bit	0x0002	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Electric Additive 1	-	R	Holding register	Bit	0x0004	-	-	-	-	-	0 = Off 1 = On	

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40	Relay status Master Base card, Electric Additive 2	-	R	Holding register	Bit	0x0008	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Electric Additive 3 /oil boiler	-	R	Holding register	Bit	0x0010	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Compressor A	-	R	Holding register	Bit	0x0020	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Heating medium pump A	-	R	Holding register	Bit	0x0040	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Shunt valve open	-	R	Holding register	Bit	0x0080	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Shunt valve close	-	R	Holding register	Bit	0x0100	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Heating medium pump 3	-	R	Holding register	Bit	0x0200	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Compressor B	-	R	Holding register	Bit	0x0400	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Reversing valve	-	R	Holding register	Bit	0x0800	-	-	-	-	-	0 = Hotwater 1 = Off	
40	Relay status Master Base card, Brine pump B	-	R	Holding register	Bit	0x1000	-	-	-	-	-	0 = Off 1 = On	
40	Relay status Master Base card, Brine pump A	-	R	Holding register	Bit	0x2000	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Hot water circ.pump	-	R	Holding register	Bit	0x0001	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Hot water load pump	-	R	Holding register	Bit	0x0002	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Electric Additive 4	-	R	Holding register	Bit	0x0004	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Electric Additive 5	-	R	Holding register	Bit	0x0008	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Electric Additive 6	-	R	Holding register	Bit	0x0010	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Shunt valve open	-	R	Holding register	Bit	0x0080	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Shunt valve close	-	R	Holding register	Bit	0x0100	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Shunt valve 2 open	-	R	Holding register	Bit	0x0200	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Shunt valve 2 close	-	R	Holding register	Bit	0x0400	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Reversing valve pool	-	R	Holding register	Bit	0x0800	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Reversing valve cooling	-	R	Holding register	Bit	0x1000	-	-	-	-	-	0 = Off 1 = On	
41	Relay status Master Exp. card 1, Reversing valve passive cooling	-	R	Holding register	Bit	0x2000	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, Brine circ.pump	-	R	Holding register	Bit	0x0001	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, Dump circ.pump	-	R	Holding register	Bit	0x0002	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, not used	-	R	Holding register	Bit	0x0004	-	-	-	-	-	0	

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42	Relay status Master Exp. card 2, not used	-	R	Holding register	Bit	0x0008	-	-	-	-	-	0	
42	Relay status Master Exp. card 2, not used	-	R	Holding register	Bit	0x0010	-	-	-	-	-	0	
42	Relay status Master Exp. card 2, Reversing valve/pump for extra collector	-	R	Holding register	Bit	0x0020	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, Reversing valve/pump for extra collector	-	R	Holding register	Bit	0x0040	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, Shunt valve cooling (+PK)	-	R	Holding register	Bit	0x0080	-	-	-	-	-	0 = Off 1 = On	
42	0	-	R	Holding register	Bit	0x0100	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, not used	-	R	Holding register	Bit	0x0200	-	-	-	-	-	0	
42	Relay status Master Exp. card 2, not used	-	R	Holding register	Bit	0x0400	-	-	-	-	-	0	
42	Relay status Master Exp. card 2, Reversing valve cooling/heating	-	R	Holding register	Bit	0x0800	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, ground water pump	-	R	Holding register	Bit	0x1000	-	-	-	-	-	0 = Off 1 = On	
42	Relay status Master Exp. card 2, Cooling pump	-	R	Holding register	Bit	0x2000	-	-	-	-	-	0 = Off 1 = On	
50	Auto mode	10	R/W	Holding register	Bit	0x0100	-	-	-	-	-	0 = Off 1 = On	
50	Operating mode season	10	R/W	Holding register	Bitfält	0x0600	-	-	-	-	-	0 = Summer 1 = Spring/Autumn 2 = Winter	
50	Only additional heat	8.2.1	R/W	Holding register	Bit	0x0080	-	-	-	-	-	0 = Off 1 = On	
50	Operating mode Hot water	20	R/W	Holding register	Bitfält	0x3800	-	-	0	4 / 7	-	0 = Off 1 = 24h 2 = 12h 3 = 6h 4 = 3h, (5 not used!) 6 = Periodisc 7 = Timesetting	Code 5-7 can not be used from RCU/Modbus
823	Start value for compressor	8.2.3	R/W	Holding register	Signed int 16	-	10	x * 10	-1200	100	GM	0	
824	GM for compressor	8.2.4	R/W	Holding register	Signed int 16	-	10	x * 10	0	500	GM	0	
825	Start value for additive	8.2.5	R/W	Holding register	Signed int 16	-	10	x * 10	-1200	0	GM	0	
826	GM for additive step	8.2.6	R/W	Holding register	Signed int 16	-	10	x * 10	10	500	GM	0	
827	Flow diff HP	8.2.7	R/W	Holding register	Signed int 16	-	1	1	1	20	°C	0	
828	Diff HP-Add	8.2.8	R/W	Holding register	Signed int 16	-	1	1	1	20	°C	0	
833	Load monitor (only max current in one of three)	8.3.3-5	R	Holding register	Unsigned int 16	-	-	x * 0.1	-	-	A	0	
51	Floor drying	9.2.1	R	Holding register	Bitfält	0x00C0	-	-	-	-	-	1 = Off 1 = Own programm 2 =Preset progr	
100	Temperature Hot water	1.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
110	Start temperature Hot water	1.1	R/W	Holding register	Signed int 16	-	1	1	5	55	°C	0	

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120	Stop temperature Hot water	1.2	R/W	Holding register	Signed int 16	-	1	1	20	60	°C	0	
130	Start temperature compressor Extra Hot water	1.3	R/W	Holding register	Signed int 16	-	1	1	19	60	°C	19 = Off	
140	Stop temperature Extra Hot water	1.4	R/W	Holding register	Signed int 16	-	1	1	19	80	°C	19 = Off	
150	Interval periodic XHW	1.5	R/W	Holding register	Signed int 16	-	1	1	0	90	Dagar	0 = Off	
160	Periodtime HW/Heating	1.6	R/W	Holding register	Signed int 16	-	1	1	5	60	min	0	
170	Maxtime HW-production	1.7	R/W	Holding register	Signed int 16	-	1	1	0	60	min	0	
200	Temperature Flow	2.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
201	Calculated Flow temperature	2.0	R	Holding register	Signed int 16	-	-	1	-	-	°C	0	
280	Temperature Heating return	2.8	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
210	Curveslope	2.1	R/W	Holding register	Signed int 16	-	1	1	0	15	-	0 = Own Curve	
220	Offset heating curve	2.2	R	Holding register	Signed int 16	-	1	1	-10	10	-	0	
221	RCU offset, heating curve	-	R/W	Holding register	Signed int 16	-	1	1	-10	10	-	0	
230	Min flow temperature	2.3	R/W	Holding register	Signed int 16	-	1	1	2	65	°C	0	
240	Max flow temperature	2.4	R/W	Holding register	Signed int 16	-	1	1	10	80	°C	0	
250	External adjustment	2.5	R/W	Holding register	Signed int 16	-	1	1	-10	10	-	0	
290	GM Grade minutes	2.9	R/W	Holding register	Signed int 16	-	50	1	-1500	100	GM	0	
300	Temperature Flow 2	3.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
301	Calculated Flow temperature 2	3.0	R	Holding register	Signed int 16	-	-	1	-	-	°C	0	
370	Temperature Heating return 2	3.7	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
310	Curveslope 2	3.1	R/W	Holding register	Signed int 16	-	1	1	0	15	-	0 = Own Curve	
320	Offset heating curve 2	3.2	R	Holding register	Signed int 16	-	1	1	-10	10	-	0	
321	RCU offset, heating curve 2	-	R/W	Holding register	Signed int 16	-	1	1	-10	10	-	0	
330	Min flow temperature 2	3.3	R/W	Holding register	Signed int 16	-	1	1	2	65	°C	0	
340	Max flow temperature 2	3.4	R/W	Holding register	Signed int 16	-	1	1	10	80	°C	0	
350	External adjustment 2	3.5	R/W	Holding register	Signed int 16	-	1	1	-10	10	-	0	
400	Temperature, Outdoor	4.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
410	Medium outdoor temperature	4.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
620	El.heater settings, amount of actual steps	6.2.0	R	Holding register	Bitfält	0x00FF	-	1	-	-	-	0	
620	El.heater settings, max amount of steps	6.2.0	R	Holding register	Bitfält	0xFF00	-	1	-	-	-	0	
624	Quickstart el.heater	6.2.4	R/W	Holding register	Bit	0x2000	-	-	0	1	-	0 = (normal) 1 = quick start	Will show 0. Shortley 1, gives quick start
625	Timefactor el.heater	6.2.5	R	Holding register	Unsigned int 16	-	-	x * 0.1	-	-	-	0	
837	Tariff status	8.3.7	R	Holding register	Unsigned int 16	-	-	-	-	-	-	0 = Off 1 = Tariff A 2 = Tariff B 3 = Tariff A+B	
630	Temperature, Boiler	6.3.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
631	Time, boiler	6.3.1	R/W	Holding register	Signed int 16	-	1	1	1	24	h	0	
632	Starttemperature shunt, boiler	6.3.2	R/W	Holding register	Signed int 16	-	1	1	10	90	°C	0	
635	Timefactor oilboiler	6.3.5	R	Holding register	Unsigned int 16	-	-	1	-	-	h	0	
51	HPAC / PK, Cooling	6.4.1	R/W	Holding register	Bit	0x0001	-	-	-	-	-	0 = Off 1 = On	
50	HPAC / PK, Cooling curve	6.4.2	R/W	Holding register	Bitfält	0xC000	1	1	1	3	-	0	
643	HPAC / PK, Cooling offset	6.4.3	R/W	Holding register	Signed int 16	-	1	1	-10	10	-	0	
644	HPAC / PK, starttemperature heating	6.4.4	R/W	Holding register	Signed int 16	-	1	1	0	30	°C	0	
645	HPAC / PK, starttemperature cooling	6.4.5	R/W	Holding register	Signed int 16	-	1	1	0	30	°C	0	

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646	HPAC / PK, start active cooling	6.4.6	R/W	Holding register	Signed int 16	-	10	x * 10	10	500	GM	0	
647	HPAC / PK, GM for compressor	6.4.7	R/W	Holding register	Signed int 16	-	10	x * 10	10	500	GM	0	
648	HPAC / PK, diff PC/AC	6.4.8	R/W	Holding register	Signed int 16	-	1	1	1	9	°C	0	
650	Temperature Pool	6.5.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
651	Startemperature Pool	6.5.1	R/W	Holding register	Signed int 16	-	0,5	0,5 * x	5	60	°C	0	
652	Soptemperature Pool	6.5.2	R/W	Holding register	Signed int 16	-	0,5	0,5 * x	5	60	°C	0	
660	Temperature HW- storage vessel	6.6.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
661	Temperature loading HW- storage	6.6.1	R/W	Holding register	Signed int 16	-	1	1	20	70	°C	0	
690	Temperatur Room	6.9.0	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
691	Room balancing	6.9.1	R/W	Holding register	Signed int 16	-	0,1	x * 0.1	1	6	-	0	
692	Room balancing system	6.9.2	R/W	Holding register	Unsigned int 16	0x0006	1	-	-	-	-	0 = Off 1 = System 1 2 = System 2 3 = System 1 &2	
1000	Temperaturesensor, Heating medium flow A	5.2.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1001	Temperaturesensor, Heating medium return A	5.2.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1002	Temperaturesensor, Brine in	5.2.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1003	Temperaturesensor, Brine out A	5.2.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1004	Temperaturesensor, Hot gas A	5.2.3	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1005	Temperaturesensor, Overheating A	5.2.4	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1006	Temperatursensor, Liquid line A	5.2.5	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1007	Total starts of compressor A	5.2.6	R	Holding register	Unsigned int 16	-	-	1	-	-	-	0	
1008	Operating time compressor A	5.2.7	R	Holding register	Unsigned int 16	-	-	1	-	-	h	0	
1009	Temperaturesensor, Heating medium flow B	5.3.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1010	Temperaturesensor, Heating medium return B	5.3.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1011	Temperaturesensor, Brine out B	5.3.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1012	Temperaturesensor, Hot gas B	5.3.3	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1013	Temperaturesensor, Overheating B	5.3.4	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1014	Temperatursensor, Liquid line B	5.3.5	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1015	Total starts of Compressor B	5.3.6	R	Holding register	Unsigned int 16	-	-	1	-	-	-	0	
1016	Operating time Compressor B	5.3.7	R	Holding register	Unsigned int 16	-	-	1	-	-	h	0	
1017	Max temperatur heat return	5.4.1	R	Holding register	Signed int 16	-	1	1	40	60	°C	0	
1018	Min Brine out	5.4.2	R/W	Holding register	Signed int 16	-	1	1	-10	15	°C	0	
1019	Max Brine in	5.4.3	R/W	Holding register	Signed int 16	-	1	1	10	41	°C	41 = Off	
1020	Not used	-	R	Holding register	Signed int 16	-	-	-	-	-	-	0	Not used after v.1.32
1021	Time, start to start	5.4.5	R/W	Holding register	Signed int 16	-	1	1	20	60	min	0	
1022	Operating mode, Brine pump	5.4.6	R/W	Holding register	Bitfält	0x0C	-	-	-	-	-	0 = Intermittent 1 = Cont 2 = 10 days cont.	
1022	Operating mode, Heating medium pump A	5.4.7	R/W	Holding register	Bitfält	0x03	-	-	-	-	-	0 = Intermittent 1 = Cont 2 = Economy	
1022	Level monitor, if used	5.4.8	R/W	Holding register	Bitfält	0xC0	-	-	-	-	-	0 = Off 1 = On (NC) 2 = On (NO)	

Modbus reg.nr	Function	Menu	Qualification	Modbus reg.type	Modbus var.type	Bitmask	Res.	Fact.	Min	Max	Unit	Codeing	/Comment
1022	Quickstart, Compressors	5.4.9	R/W	Holding register	Bit	0x10	-	-	-	-	-	0 = (normal) 1 = quick start	
1022	Reset alarm	5.4.11	R/W	Holding register	Bit	0x20	-	-	-	-	-	0 = (normal) 1 = reset alarm	
1023	Factory presetting	5.4.10	R/W	Holding register	Bitfält	0x3800	-	-	-	-	-	0 = (normal) 1 = normal factoty set 2 = extend factoty set	
1024	Relaystatus, Compressor A	-	R	Holding register	Bit	0x01	-	-	-	-	-	0 = Off 1 = On	
1024	Relaystatus, Compressor B	-	R	Holding register	Bit	0x02	-	-	-	-	-	0 = Off 1 = On	
1024	Relaystatus, Brine pump A	-	R	Holding register	Bit	0x04	-	-	-	-	-	0 = Off 1 = On	
1024	Relaystatus, Brine pump B	-	R	Holding register	Bit	0x08	-	-	-	-	-	0 = Off 1 = On	
1024	Relaystatus, Heating medium pump A	-	R	Holding register	Bit	0x10	-	-	-	-	-	0 = Off 1 = On	
1024	Relaystatus, Heating medium pump B	-	R	Holding register	Bit	0x20	-	-	-	-	-	0 = Off 1 = On	
1024	0	-	0	0	0	0	-	-	-	-	-	0	0
Slave X													
Ersätt "X" nedan med slavens nummer (tal mellan 1 och 8). **Exempel: Första registret för slav 2 blir 1200, sista registret för slav 8 är 1824.**													
1X00	Slave X, Temperaturesensor, Heating medium flow A	5.2.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X01	Slave X, Temperaturesensor, Heating medium return A	5.2.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X02	Slave X, Temperaturesensor, Brine in	5.2.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X03	Slave X, Temperaturesensor, Brine out A	5.2.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X04	Slave X, Temperaturesensor, Hot gas A	5.2.3	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X05	Slave X, Temperaturesensor, Overheating A	5.2.4	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X06	Slave X, Temperatursensor, Liquid line A	5.2.5	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X07	Slave X, Total starts of compressor A	5.2.6	R	Holding register	Unsigned int 16	-	-	1	-	-	-	0	
1X08	Slave X, Operating time compressor A	5.2.7	R	Holding register	Unsigned int 16	-	-	1	-	-	h	0	
1X09	Slave X, Temperaturesensor, Heating medium flow B	5.3.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X10	Slave X, Temperaturesensor, Heating medium return B	5.3.1	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X11	Slave X, Temperaturesensor, Brine out B	5.3.2	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	

Modbus reg.nr	Function	Menu	Qualification	Modbus reg.type	Modbus var.type	Bitmask	Res.	Fact.	Min	Max	Unit	Codeing	/Comment
1X12	Slave X, Temperaturesensor, Hot gas B	5.3.3	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X13	Slave X, Temperaturesensor, Overheating B	5.3.4	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X14	Slave X, Temperatursensor, Liquid line B	5.3.5	R	Holding register	Signed int 16	-	-	x * 0.1	-	-	°C	0	
1X15	Slave X, Total starts of Compressor B	5.3.6	R	Holding register	Unsigned int 16	-	-	1	-	-	-	0	
1X16	Slave X, Operating time Compressor B	5.3.7	R	Holding register	Unsigned int 16	-	-	1	-	-	h	0	
1X17	Slave X, Max temperatur heat return	5.4.1	R	Holding register	Signed int 16	-	1	1	40	60	°C	0	
1X18	Slave X, Min Brine out	5.4.2	R/W	Holding register	Signed int 16	-	1	1	-10	15	°C	0	
1X19	Slave X, Max Brine in	5.4.3	R/W	Holding register	Signed int 16	-	1	1	10	41	°C	41 = Off	
1X20	Slave X, Not used	-	R	Holding register	Signed int 16	-	-	-	-	-	-	0	
1X21	Slave X, Time, start to start	5.4.5	R/W	Holding register	Signed int 16	-	1	1	20	60	min	0	
1X22	Slave X, Operating mode, Brine pump	5.4.6	R/W	Holding register	Bitfält	0x0C	-	-	-	-	-	0 = Intermittent 1 = Cont 2 = 10 days cont.	
1X22	Slave X, Operating mode, Heating medium pump A	5.4.7	R/W	Holding register	Bitfält	0x03	-	-	-	-	-	0 = Intermittent 1 = Cont 2 = Economy	
1X22	Slave X, Level monitor, if used	5.4.8	R/W	Holding register	Bitfält	0xC0	-	-	-	-	-	0 = Off 1 = On (NC) 2 = On (NO)	
1X22	Slave X, Quickstart, Compressors	5.4.9	R/W	Holding register	Bit	0x10	-	-	-	-	-	0 = (normal) 1 = quick start	
1X22	Slave X, Reset alarm	5.4.11	R/W	Holding register	Bit	0x20	-	-	-	-	-	0 = (normal) 1 = reset alarm	
1X23	Slave X, Factory presetting	5.4.10	R/W	Holding register	Bitfält	0x3800	-	-	-	-	-	0 = (normal) 1 = normal factoty set 2 = extend factoty set	
1X24	Slave X, Relaystatus, Compressor A	-	R	Holding register	Bit	0x01	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X, Relaystatus, Compressor B	-	R	Holding register	Bit	0x02	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X, Relaystatus, Brine pump A	-	R	Holding register	Bit	0x04	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X, Relaystatus, Brine pump B	-	R	Holding register	Bit	0x08	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X, Relaystatus, Heating medium pump A	-	R	Holding register	Bit	0x10	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X, Relaystatus, Heating medium pump B	-	R	Holding register	Bit	0x20	-	-	-	-	-	0 = Off 1 = On	
1X24	Slave X,	-					-	-	-	-	-	0	