Mesk Mesk Mesk Carpeton Dec DOM Possible Possible												ADEL
Make Model Model Defended description Defended description	METER TABLE		T0:-11	14			G., 53	IC I	In oc	Iso	<u> </u>	AKEL
Moder Methods Method	Bab29 BLDC disch. temp.	ab29	Discharge temperature probe compressor	4		0: 1: B1	Cag52	management Start-up	BLDC compressor speed during startup phase	50	rps	
Accident Common	Туре		Discharge temperature probe	7		12: B12 0: NTC 7: HTNTC		forced speed Max speed	Maximum speed of the selected compressor	**	rps	
Bradel unit State unit St	Upper value		compressor type Discharge temperature probe compressor maximum value	0	°C	7: HINIC		Min speed	Minimum speed of the selected compressor	**	rps	
Systemotion Project Name Proje	Lower value		Discharge temperature probe compressor minimum value	0	°C		Cag55	Envelope control Out	Alarm delay in case of out of envelope condition	60	S	
Balana	Calibration		Discharge temperature probe compressor calibration	0				of envelope alarm timeout Low pressure	Alarm timeout in case of low pressure	60	6	
March Section Sectio	Bac02 Compressor Line relay DC	ac02	Line relay digital output compressor 1	0		0: 1: 1		diff. alarm timeout	differential	100	5	
Bandard	Bacep Compressor	Bacep	Backup line relay digital output	7		12: 12 0:	Cag56	Discharge gas control in	Maximum limit for discharge temperature in envelope zone 1a	105	°C/°F	
1.00 1.00	backup Line relay DO		compressor			1: 1 12: 12		zone 1a High discharge temp. Limit				
Logic Logic alarm 1-2 compressor DI	C - Compressors Cab01 Regulation		Compressor regulation type	To.	I	1: FIXED		Alarm	Alarm threshold for discharge temperature in zone envelope 1a	110	°C/°F	
Baa50 Common low Low pressontal alarm 0	type	abor	Compressor regulation type			SETP. 2: FLOATING	Cag57	High discharge temp. Limit	Maximum limit for discharge temperature in zone envelope 1b	115	°C/°F	
Logic Logic of low pressostat alarm O	Cab02 Setpoint limi	ab02	Compressor setpoint lower limit	*		SETP.		Alarm	Alarm threshold for discharge temperature in zone envelope 1b	120	°C/°F	
Easafor Common high High pressostat alarm Common high High pressostat alarm Common high Fig. Doi: 10.0010 Cogic Logic of high pressostat alarm Common Co	Maximum Cab03 Setpoint		Compressor setpoint upper limit Compressor setpoint	*			Cag58	Speed control due	Distance before starting action to reduce BLDC compressor speed and	20	°C/°F	
Display Disp	Cab14 PID press. regulation		PID pressure regulation proportional band	12	barg			to discharge gas Action distance	acceleration			
Logic Logic of high pressorata alarm O	Prŏp. band Integral time		PID pressure regulation integral time	50	S			Action pause Compressor	Action delay Percentage of speed reduction	30	s %	
Baaeu	Cab17 Backup Compressor Reg. activatio	.ab17	Backup compressor activation request	*	S			speed reduction				
Logic Logic fan circuit overload 1	Backup Compressor		Backup compressor deactivation request	*	S		Cag65	Enable anti liquid return MPX valve	If the compressor can not start for timing or alarm the valve of the evaporators are forced closed	0		0: NO 1: YES
Baady Fan 2 overload Fan circuit overload 2 0 1.1NO 1.1DO 1.1DO 1.1DO 1.1DO 1.1DO 1.1DO 1.1DO 1.1DO 1.1DO 1.1NO 1.1NO	Req. deactivation						D - Con Dab02	densers		0		
Logic Logic fan circuit overload 2 0 0 NC 1:NO	Cab18 Maximum floating	ab18	Backup compressor delay Maximum floating setpoint value	*	S		50002	Minimum Maximum	Condenser setpoint upper limit	0		
Logic Logic fan circuit overload 2 0 0 NK 1:NO	setpoint Minimum		Minimum floating setpoint value	*			Dab03 Dab05	Setpoint Cut-Off	Condenser setpoint Enable fan cut-off	0		0: NO 1: YES
Baabk Fan common Common fan circuit overload O	floating setpoint	7,-10	J ,		L			enable Cut-Off	Cut-off value	0	%	1: YES
Logic Logic common fan circuit overload 0	Cac13 Comp. working hou threshold	.ac13	Compressor maintenance threshold hours	0	h			request Setpoint Diff.	Setpoint cut-off Differential cut-off	0		
Logic Common fan circuit overload 0	Cae01 Number of alarms for each	ae01	Number of alarms for each compressor	0		max 2	Dab06	Diff. Hysteresis Pressure	Hysteresis cut-off Proportional regulation type	0		0: PROPORT.
Baad F-G-H-I-J	Cae02 Alarm 1 description	ae02	Selection of first compressor alarm description: Generic, Overload, High	0		Generic Overload	Dabub	regulation Reg.type				1: PROPORT. 1: PROP.+INT. 2: PID
Logic Logic Di generic input F-G-H-H-J 0 0 - NC 1:NO 1	description		pressure, Low pressure, Oil			High pressure		Integral time	Integral time for proportional regulation	300	S	
Baada Comp. Compressor inverter warning Compressor inverter warning Compressor inverter warning Compressor inverter warning Compressor Compressor	Capital Alarm 1 Acti	`ae04	Activation delay for alarm 1 during	0	c	Low pressure Oil	Dab07	Pressure regulation Differential	Differential for proportional regulation	4		
Warning Logic Logic compressor inverter warning 0	delay	.ac04	operation delay for alarm 1 during operation Activation delay for alarm 1 at startup	0	S		Dad01	Enable condenser	Enable condenser setpoint compensation	0		0: NO 1: YES
Logic Logic compressor inverter warning O O - NC	Reset		Type of reset for compressor alarm 1	0		0: AUT. 1: MAN.	D102	setpoint compensation	Officet applied for the Winter period			
Logic Logic fan inverter warning 1: ID01 To, ID10 To, ID	Priority		Type of priority for compressor alarm 1			0: LIGHT 1: SERIOUS	Dad02	Winter offset Closing offset	Offset applied for the Winter period Offset applied for closing period Enable floating condensing setpoint	0		0.10
Logic Logic fan inverter warning O O NC I NO O NC I NO O NC I NO O NC I NO NC NC NC NC NC NC NC		.ae24	Type of high suction pressure/ temperature alarm threshold	0		0: ABSOLUTE 1: RELATIVE	Dad05	Enable floating condensing	Enable floating condensing setpoint			0: NO 1: YES
Baadg Alarm backup Alarm backup compressor 0 1: ID01 10. Comp. 1: ID01 10. ID	Threshold Cae25 Alarm diff.	ae25	High suction pressure/temperature alarm threshold High suction pressure/temperature	0			Dad06	setpoint Float.condens.	Floating condensing setpoint variation	0		
Logic Logic alarm backup compressor 0	Alarm delay		alarm differential High suction pressure/temperature	0	S			setpoint Offset for external	for external temperature			
Logic Logic alarm backup compressor 0	Cae26 Suction low pressure alar	ae26	alarm delay Type of low suction pressure/ temperature alarm	0		0: ABSOLUTE 1: RELATIVE	Dad07	temperature Change set by	Enable setpoint compensation by	0		0: NO
Type Suction pressure probe type 6	Threshold		Low suction pressure/temperature alarm threshold	0		I. RELATIVE	Dae01	digital input Condenser	digital input Condenser high pressure alarm threshold	0		1: YES 0: ABSOLUTE 1: RELATIVE
Type Suction pressure upper limit 0	Cae27 Alarm diff.	ae27	Low suction pressure/temperature alarm differential	0				pressure high alarm Alarm delay	Condenser high pressure alarm delay	0		1. KELATIVE
Upper value Suction pressure upper limit 0 Common Galibration Suction pressure backup probe value 0 Common Galibration Suction pressure backup probe value 0 Common Suction pressure backup probe value 0 Compressore backup value 0 Compressore value 0 Compressore value value	Alarm delay Cae41 Liquid flow	20/1	Low suction pressure/temperature alarm delay Delay for liquid flow back alarm	15	s min		Dae02	Threshold	Condenser high pressure alarm threshold	0		
Upper value Suction pressure upper limit 0 Calibration Suction pressure backup probe calibration 0 1: 81 Type Suction pressure backup probe type 6 2: 0-1V Suction pressure backup probe type 6 1: 81 Type Suction pressure backup upper limit 0 3: 0-10W Suction pressure backup upper limit 0 3: 0-10W Suction pressure backup upper limit 0 0: 0-1 Suction pressure backup upper limit 0 0: 0-1 Suction pressure backup upper limit 0 0: 0 Suction calibration Suction pressure backup probe 0 0: 0-1 Suction temperature probe type 0 0: NTC Type Suction temperature upper limit 0 °C Suction temperature upper limit 0 °C Suction Suction temperature upper limit 0 °C Suction Suction temperature upper limit 0 °C Suction Suction temperature probe calibration 0 0: HINTC Suction Suction temperature probe calibration 0 °C Suction Suction temperature probe calibration 0 0: HINTC Suction Suction temperature probe calibration 0 0: HINTC Suction Suction temperature probe calibration 0 0: HINTC Suction Suction temperature probe type 6 2: 0-1V Suction Suction temperature probe type 6 0: 0: HINTC Suction Suction temperature probe type 6 0: 0: HINTC Suction Suction temperature Suction te	back alarm Start up dela	ac41	(SSH<0K and DSH<10K) during start up		1111111		Dag03	Alarm diff.	Condenser high pressure alarm differential	0		O. ARCOLLITE
Calibration Suction pressure backup probe calibration O D: D: D: Backup press.	Alarm delay Alarm delay		Delay for liquid flow back alarm Delay for liquid flow back alarm during	60 180	S		Dae03	Condenser pressure low alarm	Condenser low pressure alarm threshold			0: ABSOLUTE 1: RELATIVE
backup press. Type Suction pressure backup probe type Upper value Lower val. Suction pressure backup upper limit Calibration Suction pressure backup lower limit O	defrost and washing funct.		defrost and washing				Dae04	Alarm delay Alarm diff.	Condenser low pressure alarm delay Condenser low pressure alarm	0	S 	
Type Suction pressure backup probe type 6 3 .2 .0 -1 V	Reset		Type of alarm reset	0		0: MANUAL 1: AUTO		Threshold	differential Condenser low pressure alarm	0		
Upper value Suction pressure backup upper limit 0 Calibration Suction pressure backup probe 0 Calibration Suction pressure backup probe 0 Suction pressure backup probe 0 Calibration Suction pressure backup probe 0 Suction temperature Suction pressure backup probe 0 It B1 12: B12 Type Suction temperature upper limit 0 °C Lower value Suction temperature upper limit 0 °C Calibration Suction temperature upper limit 0 °C Calibration Suction temperature probe calibration 0 Suction temperature probe value 7 0 It B1 12: B12 Type Discharge pressure probe value 7 0 It B1 12: B12 Type Discharge pressure probe type 6 2: 0 1 Upper value Discharge pressure upper limit 0 Lower val Discharge pressure lower limit 0 Calibration Discharge pressure lower limit 0 Calibration Discharge pressure probe calibration 0 It B1 12: B12 Type Compressor backup temperature 8 0 It B1 12: B12 Type Compressor backup temperature 7 0 NTC 7: HTNTC Calibration Compressor backup upper limit 0 °C Calibration Compressor backup temperature 0 1: B1 Type Compressor backup temperature 0 1: B1 Type External temperature probe type 0 °C 0 NTC 7: HTNTC Upper value External temperature probe type 0 °C 0 NTC 7: HTNTC Upper value External temperature probe calibration 0 °C Calibration Generic an. Input Calibration	Caf03 Cmp1	af03	Enable compressor 1	1		0: DIS 1: EN	Dae05	Common fan overload	threshold Enable common fan overload	0		0: NO 1: YES
Upper value Suction pressure backup upper limit 0 Calibration Suction pressure backup probe 0	Caf04 Refrigerant	~ f04	Enable backup compressor Type of refrigerant	0		0: DIS 1: EN 2: R404A		Delay Reset	Common fan alarm delay Common fan alarm reset type	0	S	0: MANUAL
Bab03 Suction temperature Suction pressure temperature value 3 0: 1: B1 Type Suction temperature probe type 0 0: NTC Lower value Lower value Suction temperature probe robe calibration 0 Calibration Suction temperature probe value pressure Discharge pressure probe value pressure probe value pressure Discharge pressure probe type 6 2: -0: V 3: 0-10V 4: 4-20mA 6: 0-5V Upper value Discharge pressure upper limit 0 Calibration Discharge pressure lower limit 0 Calibration Discharge pressure lower limit 0 Calibration Discharge pressure lower limit 0 Calibration Discharge pressure probe calibration 0 Calibration Discharge pressure probe type 8 0: 1: B1 Type Compressor backup temperature 8 0: 1: B1 Type Compressor backup temperature 7 0: NTC 7: HTNTC Upper value Compressor backup upper limit 0 °C Calibration Compressor backup lower limit 0 °C Calibration Compressor backup lower limit 0 °C Calibration External temperature probe 49 0: 1: B1 Type External temperature probe type 0 °C Calibration External temperature probe calibration 0 1: B1 Type Generic an. Generic analog input A-B-C-D-E upper 0 °C Type Upper value External temperature probe calibration 0 1: B1 Type Generic an. Generic analog input A-B-C-D-E upper 0 °C Type Upper value External temperature probe calibration 0 1: B1 Type Generic analog input A-B-C-D-E upper 0 °C	Caf15 Modulate		Compressor modulating device	2		4: R410A 2: BLDC						1: AUTOMATIC
temperature Type Suction temperature probe type 0	Speed device Caf17 Min on time	af17	Minimum time on for BLDC	30	S		Daf01	Number of present fans Fan 1	Number of fans Enable fan 1	0		max 2 0: DIS
Type Suction temperature probe type 0 0: NTC 7: HTNTC Upper value Suction temperature upper limit 0 °C Lower value Suction temperature lower limit 0 °C Suction temperature probe calibration 0 Bab04 Discharge pressure probe value 7 0: Type Discharge pressure probe type 6 2: 0·1 V	Min off time		Compressor Minimum time off for BLDC compressor	60	S		Daioz	Fan 2	Enable fan 2	0		1: EN 0: DIS
Upper value Suction temperature upper limit O	Min time to start same		Minimum time between two start up of the BLDC compressor	180	S		Daf04	Refrigerant	Type of refrigerant	0		1: EN 2: R404A
Calibration Suction temperature probe calibration O O:	Caf20 Equalization	af20	Equalization using oil injection valve	0		0: NO	Dag01	Modulate	Modulating condenser device type	0		4: R410A 0: NONE
Type Discharge pressure probe type 6	using oil injection valv Valve openin		Valve % opening in case of EEV valve.	100	%	1: YES		speed device				1: 0-10V INVERTER EC FANS
Type Discharge pressure probe type 6 2: 0-1V 3: 0-10V 4: 4-20mA 6: 0-5V Upper value Discharge pressure upper limit 0 Calibration Discharge pressure probe calibration 0 0: 1: B1 Type Compressor backup temperature 8 0: 1: B1 Type Compressor backup temperature 7 0: NTC 7: HTNTC Upper value Compressor backup upper limit 0 °C Calibration Compressor backup upper limit 0 °C Calibration Compressor backup temperature 0 1: B1 External temperature probe 9 0: 1: B1 Type External temperature probe 9 0: 1: B1 Type External temperature probe 1: B1 Type External temperature upper limit 0 °C Calibration External temperature probe type 0 °C Calibration External temperature upper limit 0 °C Calibration External temperature probe calibration 0 1: B1 Type Generic analog input A-B-C-D-E 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: 1: B1 Type 0: 0: 0: 1: B1 Type 0: 0: 0: 0: 1: B1 Type 0:	Caf94 Backup Compressor	af94	Minimum time on for backup compressor start up	30	S							2: PHASE CUT CONTROL
Upper value Discharge pressure upper limit 0 Calibration Discharge pressure lower limit 0 Comp. bkp. disch. temp. Compressor backup temperature 8 1: B1 1:2: B12 Type Compressor backup temperature 7 0: NTC 7: HTNTC Calibration Compressor backup upper limit 0 °C Calibration Compressor backup temperature 0 0: NTC 7: HTNTC Calibration Compressor backup temperature 0 0: NTC Calibration Compressor backup temperature 0 0: HTNTC Calibration Compressor backup temperature 0 1: B1 1	Min on time Min off time		Minimum time off for backup	60	S		Dag02	Modulate device config	Minimum voltage for fan modulating device configuration	0		
Upper value Discharge pressure upper limit 0	Min time to start same		Compressor Minimum time between two start up of the backup compressor	180	S			Min out value	Maximum voltage for fan modulating	0		
Calibration Discharge pressure probe calibration 0	compressor Cag12 BLDC setting	 _ag12	BLDC settings Motor Type	0		0: SIAM_		Min. power refer.	device configuration Minimum capacity of fan modulating device	0	%	
disch. temp. probe value 1: B1 Type Compressor backup temperature 7 0: NTC probe type Upper value Compressor backup upper limit 0 °C Calibration Compressor backup lower limit 0 °C Calibration External temperature probe 9 1: B1 Type External temperature probe 9 1: B1 Type External temperature probe 10 °C Upper value External temperature upper limit 0 °C Upper value External temperature upper limit 0 °C Calibration External temperature probe type 0 °C 0: NTC 7: HTNTC Upper value External temperature upper limit 0 °C Calibration External temperature lower limit 0 °C Calibration External temperature probe calibration 0 1: B1 Type Generic an. input A - B - C - D - E Type Generic analog input A-B-C-D-E 0 0: 1: B1 Type Generic analog input A-B-C-D-E type 0 0: NTC 1: 2: 0-1V 3: 0-10V 4: 4-20mA 5: 6: 0-5V 7: HTNTC	Motor Type	_	71.			ANB33F- R410A 1: SIAM		Max. power refer.	Maximum capacity of fan modulating device	0	%	
Type Compressor backup temperature 7						ANB42F- R410A	Dag03	Modulate device config	Time to pass from minimum to maximum capacity for fan modulating	0	S	
Upper value Compressor backup upper limit 0 °C Calibration Compressor backup lower limit 0 °C Calibration Compressor backup temperature 0						2: SIAM ANB52F- R410A		Rising time Falling time	Time to pass from maximum to minimum capacity for fan modulating	0	S	
Calibration Compressor backup temperature 0						3: SIAM AEB33F-		Num. control.	device Number of fans under inverter	1		
Bab15 External temperature probe Type External temperature probe type 0 °C 0: NTC 7: HTNTC						R404A 4: SIAM AEB60F-	Dag04	fans Split	Enable split condenser	0		0: DIS 1: EN
Type External temperature probe type 0 °C 0: NTC 7: HTNTC Upper value External temperature upper limit 0 °C Lower value External temperature lower limit 0 °C Calibration External temperature probe calibration 0 Bab19 Generic an. input A-B-C-D-E 0 1: B1 A-B-C-D-E Type Generic analog input A-B-C-D-E type 0 0: NTC 1: 2: 0-1V 3: 0-10V 4: 4-20mA 5: 6: 0-5V 7: HTNTC Upper val. Generic analog input A-B-C-D-E upper 0 °C						R404A 5: SIAM ANB66F-		External temp.	Split condenser controlled by external temperature	0		1: EN 0: NO 1: YES
Upper value External temperature upper limit 0 °C Lower value External temperature lower limit 0 °C Calibration External temperature probe calibration 0 Bab19 - 28 Generic an. input A - B - C - D - E Type Generic analog input A - B - C - D - E type O 0: NTC 1: B1						R410A 6: SIAM	Dag15	Request in case of	Value of fan forcing in case of regulation probe error	0	%	
Lower value Calibration External temperature lower limit 0 °C Calibration External temperature probe calibration 0 Bab 19 Generic an. Input A-B-C-D-E						AEB78F- R404A 7: SIAM	F - F	regulat.probes fault				
Bab19			NDG.	34.77		7: SIAM ANB78F- R410A	E - Evap Eab01	N. of evaporators	Number of evaporators	0		
Type Generic analog input A-B-C-D-E type 0 0: NTC 1: 2: 0-1V 3: 0-10V 4: 4-20mA 5: 6: 0-5V 7: HTNTC Upper val. Generic analog input A-B-C-D-E upper 0 °C	Poles numbers		BLDC compressor poles numbers	**		0: 0 1: 2 2: 4		Evap 1 Evap 2	Evaporator 1 cooling capacity Evaporator 2 cooling capacity	4000		
1; 2; 0-1V 3; 0-10V 4; 4-20mA 5; 6; 0-5V 7; HTNTC limit 0 °C						3: 6 4: 8		Evap 3 Evap 4	Evaporator 2 cooling capacity Evaporator 3 cooling capacity Evaporator 4 cooling capacity	4000	W	
3: 0-10V 4: 4-20mA 5: 6: 0-5V 7: HTNTC Upper val. Generic analog input A-B-C-D-E upper 0 °C	Type drive		Drive type for BLDC compressor	**		5: 10 9: PSD1*184**	Eaboa	Evap 5	Evaporator 4 Cooling Capacity Evaporator 5 cooling capacity Number of the device	4000		from 1 to F
Upper val. Generic analog input A-B-C-D-E upper 0 °C						PSD1*184** 10: PSD1*244**	Eab02	Device number Bus address	Number of the device Serial address of the evaporator	0		from 1 to 5 from 11
limit	C==E1 C: :		Dolay both was the second	(0)	_	11: PSD1*354**		Enable device		0		to 15 0: NO
	Cag51 Start-up failure contro Restart delay	.ag51	Delay between two restart in case of start-up failure of BLDC compressor	60	S			Description	Description of the evaporators	0		1: YES
Lower val. Generic analog input A-B-C-D-E lower 0 °C limit Calibration Generic analog input A-B-C-D-E 0	Max retry number		Number of retries for BLDC compressor start up in case of failure	5			Eab03	On/Off device	Device ON/OFF	0		0: ON 1: OFF

Eab04	Real time clock	Real time clock synchronization	0		0: sinc with MPX 1: sinc with CDU
Eab16 Eac01	St -Reg. setp.	Regulation setpoint			
	rd -Diff. setp. PLt	Setpoint differential Smooth Lines - Off set to stop control	4	 °C/°F	
	PHs	below set point Smooth Lines - Maximum superheat	9	K	
02		off set		K	
Eac02	P3 -SH setpoint	Superheat set point	10		
	P4 -SH Gain P5 -SH	Proportional gain Integration time	400	K s	
	Integral P6 -SH	Derivative time	0	S	
	Derivat. P7 -LSH	LowSH: low superheat threshold	3	K	
Eac03	Thresh. Smooth lines	Enable Smooth Lines function	1		0: DISABLE
	PSP	Smooth Lines proportional band	3	K	1: ENABLE
	PSI PSD	Smooth Lines integral time Smooth Lines derivative time	360 0	S	
Eac04	Evaporat.	Cooling capacity of the evaporator	4000	W	
	lnitial valve	Initial valve position when control	30	%	
	position at startup	starts			
	time after defr.	Initial valve position maintenance time after defrost	0	S	
Eac20 Othe	r functions				
aaa54	Common oil level Solenoid	Digital output position for solenoid valve for oil injection	0		0: 1: 01
	valve	valve for on injection			12: 12
	Logic	Logic of solenoid valve for oil injection	0		0: NO 1: NC
aaa55	Oil max level	Digital input position for oil max level	ID09		0:
	(Red)	from oil separator			1: ID01 10: ID10
aaa56	Oil min level (Yellow)	Digital input position for oil min level	ID08		0: 1: ID01
	(TEHOW)	from oil separator			1: 1D01 10: ID10
aab15	Oil injection mode	Option to inject the oil from the oil	2		0: NONE 1: SOLENOID
	mode	separator to the suction line			2: EEV LEVEL
					3: EEV COMP SPEED
	Oil recovery mode: Speed	Enable of oil speed boost function	1		0: NO 1: YES
	boost Evap. washing	Enable of oil recovery washing	0		0: NO
aah10	, ,	function			1: YES
aab18	Valve max opening	Maximum opening of EEV valve for oil injection	75	%	
1	Valve min opening	Minimum opening of EEV valve for oil injection	1	%	
aab19	Solenoid oil injection Time	Time on of solenoid valve for oil injection	60	S	
	ON Solenoid oil	Time off of solenoid valve for oil	600	S	
	injection Time OFF	injection			
aab20	EEV oil injection:	Delay before to start to force opened EEV oil injection valve	5	min	
	Emergency HL EEV oil	Delay before to start to force closed	5	min	
	injection: Emergency LL	EEV óil injection valve			
	EEV oil injection:	Delay before to switch off the BLDC compressor	60	min	
	Alarm HL Delay	'			
	EEV oil injection:	Delay before to switch off the BLDC compressor	120	min	
	Alarm LL Delay	'			
-aab21	EEV oil injection:	Enable manual management of EEV oil injection valve	0		0: NO 1: YES
	Enable manual mng				
	EEV oil injection:	% opening with manual management of EEV oil injection valve	0	%	
aab23	Valve Speed boost	Critical low speed threshold for oil	35	rps	
	recovery Speed Thr.	return			
	Speed boost recovery Thr.	Differential of the critical low speed threshold	5	rps	
	diff Speed boost	Speed to recovery the oil from the	50	rps	
	recovery Speed force	circuit to the compressor			
	Speed boost recovery Act.	Evaluation time at critical low speed before to force the compressor speed	15	min	
	Delay Speed boost	to the higher value Duration of speed boost action	3	min	
	recovery Force time	_ s.a.a or speed boost action			
aab24	Evap. washing recovery	Oil recovery washing mode	0		0: ONE CABINET
	mode ´	Washing duration	3	min	EACH TIME
	Evap. washing recovery Time ON	Washing duration	ر	111111	
	Evap. washing	Time off between two washing on the	480	min	
	recovery Time OFF	same evaporator	60	_	
	Evap. washing recovery	Fixing time at the end of each washing	60	S	
	Fixing time function	04 appairs of EEV of the total	F.C.	0/	
Faab25	EEV oil injection EEV	% opening of EEV oil injection valve with backup compressor active	50	%	
	fixed opening with backup comp. on				
-baa01	Defrost 4 way	Digital output position of 4 ways valve to reverse the cycle	0		0: 1: 01
	Vaive	to reverse the cycle			12: 12
	Defrost 4 way valve logic	Logic of 4 ways valve to reverse the cycle	0		0: NO 1: NC
	Defrost mode	Defrost mode selection	0		0: MPX-air
					static 1: CDU-sat.
					temp. 2: MPX-air heaters
bab02	Defrost by CDU Setpoint	Setpoint for defrost increasing suction	-0.5	°C	i i cutci 3
	Defrost by	pressure Maximum defrost duration	30	min	
	CDU Active Ton	To the second second			
	Defrost by CDU Not	Time between two defrost	4	h	
	Active Toff Cabinet	Superheat setpoint during defrost	18	K	
	Superheat setp 1) SH set				
	Cabinet Superheat	Superheat setpoint during defrost	18	K	
	setp 2) SH set Cabinet	Superheat setpoint during defrost	18	K	
		,			
	Superheat setp 3) SH set				
	Superheat setp 3) SH set Cabinet Superheat	Superheat setpoint during defrost	18	K	
	setp 3) SH set Cabinet	Superheat setpoint during defrost Superheat setpoint during defrost	18	K	

Fbab03	Defrost by 4 Way valve Run defrost every	Time between two defrost	4	h	
	Defrost by 4 Way valve Min speed to	Minimum speed to reduce the cycle	10	rps	
Fbab05	reverse cycle changeover Defrost by 4 Way valve Max	Maximum deltaP to reverse the cycle	2	bar	
	delta press. for cycle changeover Defrost by	Maximum time to wait the deltaP to	120	S	
	4 Way valve Max time to wait for delta pressure	reverse the cycle			
Fbab06	4 way valve mng. Delay before ON	4 way valve mng. Delay before ON	0	S	
	4 way valve mng. Delay after ON	4 way valve mng. Delay after ON	0	S	
	4 way valve mng. Delay before OFF	4 way valve mng. Delay before OFF	0	S	
Fbab07	4 way valve mng. Delay after OFF Out of	4 way valve mng. Delay after OFF	0	S	
грари/	envelope alarm delay during defrost	Out of envelope alarm delay during defrost	300	S	
Fbab08	Enable compressor stop before reverse cycle for defrost: - in entering	Enable compressor stop before reverse cycle for defrost: - in entering	0		0: NO 1: YES
Fbab10	- in exiting Maximum	Enable compressor stop before reverse cycle for defrost: - in exiting Maximum duration defrost	0	 min	0: NO 1: YES
T Dab TO	duration defrost Temp. stop	Temperature threshold to stop a	8	°C	
	thr. Delay	defrost Minimum time between two defrost	10	min	
Fbab11	between two defrost Bypass low	Bypass low pressure during defrost	0		0: NO
	pressure during defrost High pressure	High pressure control in defrost	0		1: YES 0: NO
Fbab13	control in defrost Manual	Start a defrost manually	0		1: YES 0: NO
	defrost start Manual defrost stop	Stop a defrost manually	0		1: YES 0: NO 1: YES
Fbab14	Defrost by 4 Way valve Disch. press. control Setpoint	Discharge pressure control setpoint during reverse cycle defrost	5	barg/ psig	
	Defrost by 4 Way valve Band	Defrost by 4 Way valve Proportional Band	1	barg/ psig	
	Defrost by 4 Way valve Integral time	Defrost by 4 Way valve Integral time	30	S	
	Defrost by 4 Way valve Speed-rate	Defrost by 4 Way valve Speed-rate	2		
Fdaa01	Comp.1 disch. temp.	Discharge temperature probe position and type	0		0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V
	Comp.1 disch. temp. Upper	Discharge temperature probe upper value	0	°C	7: HTNTC
	value Comp.1 disch. temp. Lower	Discharge temperature probe lower value	0	°C	
	Value Comp.1 disch.temp.	Discharge temperature probe calibration	0		
Fdaa11	Pressure Vapour Injection	Vapour injection pressure probe position	0		0: 1: B1 12: B12
	Pressure Vapour Injection	Vapour injection pressure probe type	0		0: 1: 2: 0-1V 3: 0-10V 4: 4-20m/ 5:
	Pressure Upper value	Vapour injection pressure probe upper value	34,5		6: 0-5V
	Pressure Lower value Pressure	Vapour injection pressure probe lower value Vapour injection pressure probe	0		
	Calibration Power failure valve position	calibration Power failure valve position	0		0: 1: 01
	Power failure	Power failure valve logic	0		12: 12 0: NO
			1		1: NC 0:
Fdaa12	Valve logic Temperature Vapour	Vapour injection temperature probe position	0		1: B1
Fdaa12	Temperature		0		12: B12 0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V
	Temperature Vapour Injection position Temperature Vapour	Position Vapour injection temperature probe type Vapour injection temperature probe calibration	0		12: B12 0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/ 5:
Fdaa12	Temperature Vapour Injection position Temperature Vapour Injection type Temperature	Position Vapour injection temperature probe type Vapour injection temperature probe	0		12: B12 0: NTC 1: PT100C 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Soleno valve 2: EEV expansioi
	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Calibration injection mode Solenoid liquid inj.:	Position Vapour injection temperature probe type Vapour injection temperature probe calibration	0		12: B12 0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Solenoi valve 2: EEV
Fdab02	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Calibration injection mode Solenoid	Position Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection	0 0		12: B12 0: NTC 1: PT100C 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Soleno valve 2: EEV expansioi
Fdab02	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Calibration injection mode Solenoid Iliquid inj.: Threshold Solenoid Iliquid inj.: Differential EEV Liq. Injection Minimum	Position Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection valve activation Differential for solenoid liquid injection	0 0	 °C/°F	12: B12 0: NTC 1: PT100C 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Soleno valve 2: EEV expansioi
Fdab02 Fdab03	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Vapour Injection type Temperature Calibration injection mode Solenoid liquid inj.: Threshold Solenoid liquid inj.: Differential EEV Liq. Injection Minimum temp. EEV Liq. Injection EEV Liq. Inj	Position Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection valve activation Differential for solenoid liquid injection valve deactivation Minimum discharge temperature to	0 0 0	 °C/°F	12: B12 0: NTC 1: PT100C 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Soleno valve 2: EEV expansioi
Fdab02 Fdab03	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Vapour Injection type Temperature Calibration injection mode Solenoid liquid inj:: Threshold Solenoid liquid inj:: Differential EEV Liq. Injection Minimum temp. EEV Liq. Injection EEV percent EEV Liq. Injection EEV percent EEV Liq. Injection Maximum	position Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection valve activation Differential for solenoid liquid injection valve deactivation Minimum discharge temperature to start liquid injection with EEV valve EEV minimum % opening for minimum discharge temperature	0 0 0	 °C/°F	12: B12 0: NTC 1: PT100C 2: 0-1V 3: 0-10V 4: 4-20m/ 5: 6: 0-5V 7: HTNTC 0: None 1: Soleno valve 2: EEV expansioi
Fdab02 Fdab03	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Vapour Injection type Temperature Calibration injection mode Solenoid liquid inj.: Threshold Solenoid liquid inj.: Differential EEV Liq. Injection Minimum temp. EEV Liq. Injection EEV percent EEV Liq. Injection Maximum temp. EEV Liq. Injection Minimum temp. EEV Liq. Injection Minimum temp. EEV Liq. Injection EEV I	Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection valve activation Differential for solenoid liquid injection valve activation Minimum discharge temperature to start liquid injection with EEV valve EEV minimum % opening for minimum discharge temperature threshold Maximum discharge temperature for liquid injection with EEV valve EEV maximum % opening for maximum % opening for maximum discharge temperature	0 0 0 0 0 0 0 0 0	 °C/°F	12: B12 0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/4 5: 6: 0-5V 7: HTNTC 0: None 1: Solenoi valve 2: EEV expansioi
Fdab03	Temperature Vapour Injection position Temperature Vapour Injection type Temperature Vapour Injection type Temperature Calibration injection mode Solenoid liquid inj.: Threshold Solenoid liquid inj.: Differential EEV Liq. Injection Minimum temp. EEV Liq. Injection EEV percent EEV Liq. Injection Maximum temp.	position Vapour injection temperature probe type Vapour injection temperature probe calibration Liquid injection mode selection Threshold for solenoid liquid injection valve activation Differential for solenoid liquid injection valve deactivation Minimum discharge temperature to start liquid injection with EEV valve EEV minimum % opening for minimum discharge temperature threshold Maximum discharge temperature for liquid injection with EEV valve	0 0 0 0 0 0 0 0 0 0	°C/°F	12: B12 0: NTC 1: PT1000 2: 0-1V 3: 0-10V 4: 4-20m/4 5: 6: 0-5V 7: HTNTC 0: None 1: Solenoi valve 2: EEV expansioi

dab06	Settings Setpoint SH	SH setpoint with vapour injection for LT application	8	°C/°F	
	Settings LowSH thresh.	Low superheat threshold	3	°C/°F	
	Settings LOP thresh. Settings MOP	LOP threshold MOP threshold	-50 50	°C/°F	
Fdab07	PID parameters Prop. gain	Vapour injection EEV valve proportional gain	15	steps	
	Prop. gain Integral time	Vapour injection EEV valve integral	150	S	
	Derivat. time	time Vapour injection EEV valve derivative	5	S	
Ffa05	Gen.funct.	time Enable thermostats generic function	0		0: DISABLE
Ffa06	1 - 2 - 3 - 4 - 5 Regulation	Regulation variable related to the	0		1: ENABLE
	variable Mode	generic function Generic function mode	0		0: DIRECT
Ffa07	Enable	Action enabled with the generic	0		1: REVERSE
Ffa08	Setpoint	function Setpoint of generic function stage	0		
Ffa09	Differential High alarm	Differential of generic function stage Enable generic alarm	0		0: DISABLE
	Delay time	Delay of generic alarm	0	S	1: ENABLE
	Alarm type	Alarm type	0		0: NORMAL 1: SERIOUS
	Low alarm	Enable generic alarm	0		0: DISABLE 1: ENABLE
Ffa09	Delay time Alarm type	Delay of generic alarm Alarm type	0	S 	0: NORMAL
Ffe05	Gen.	Generic probe measure type	0		1: SERIOUS 0: °C
	A - B - C - D - E measure				1: °F 2: barg 3: psig 4: % 5: -
Ffe06	Generic an. input A	Generic analogue input position	0		0: 1: B1
	Туре	Generic analogue input type	0		12: B12 0: NTC 1: 2: 0-1V 3: 0-10V 4: 4-20mA 5: 6: 0-5V 7: HTNTC
	Upper val. Lower val.	Generic analogue input upper value Generic analogue input lower value	0	°℃	
Ffe06- 28	Calibration	Generic analogue input calibration	0		
G - Setti	ings Address	RMS carial address	1	L	
Gca01	Protocol	BMS serial address Serial protocol	2		0: 2: MODBUS SLAVE 3: pRack
	Baudrate	Baudrate	4		MANAGER 0: 1200 1: 2400 2: 4800 3: 9600 4: 19200
Gda01	Modbus master settings Baudrate	Modbus master settings Baudrate	4		5: 38400 0: 1200 1: 2400 2: 4800 3: 9600 4: 19200
	Stop bit	Stop bit	0		0: 1 1: 2
	Parity mode	Parity mode	0		0: NONE 1: EVEN 2: ODD
H - Safe	Timeout	Timeout	300	ms	2.000
н - Sare i Нса01	Common HP type	High pressure alarm reset	0		0: AUTO 1: MAN
	Common HP delay	High pressure alarm delay	0	S	1, 17H MN
Hca02	Common LP start delay	Low pressure alarm start delay	0	S	
	Common LP delay	Low pressure alarm delay	0	S	
Hca03	Low pressure Time of semi- automatic alarm evaluation	Evaluation time for low pressure alarm	0		
	N. of retries before alarm becomes manual	Number of retrues before low pressure alarm becomes manual	5		
Hca05	Leak detector alarm Enable alarm	Leak detector alarm Enable alarm	0		0: NO 1: YES
	Switch OFF compr.	Leak detector alarm switches off compressor	0		0: NO 1: YES
	Switch ON fans	Leak detector alarm switches on fan	0		0: NO 1: YES
LI=-0=	Leak alarm delay	Leak detector alarm delay	0	S	0. 1441
Hca07	BLDC Compressor Envelope Reset	BLDC Compressor Envelope Reset type		min	0: MAN 1: AUTO
	Evaluation time	Evaluation time before alarm becomes manual N. of retries before alarm becomes	60	min	
	N. of retries before alarm becomes manual	manual	5		
Hca09	BLDC Compressor	BLDC Compressor Power+ Reset type	0		0: MAN 1: AUTO
	Power+ Reset Evaluation	Evaluation time before alarm becomes	60	min	
	time	Imanual		1	Í

* the valve is variable according to the refrigerant type **the valve is variable according to the compressor model

