TRADIT
USER MANUEL

1. Foreword

This guide is prepared for the Tradit refrigerator.The details below are examined in general.

-How the refrigerator will be used -Technical Details -Installation and Assembling -Infos and suggestions for the users -Care operations

Producer company does not have any responsibilities about the situations below. -Wrong usage of the refrigerator -Wrong assembling -Electrical Effects -Not doing the periodical cares -Changes of Operation -Not using the original spare parts -Ignoring the given infos

P.S. : Applications about electricity are dangerous for your life. Anyone who uses the refrigerator must read this guide.

2.Introduction

Tradit case is a counter produced for the presentation of the delicatessen products. ıt has been designed with the length of 12500 mm 2500 mm 3750 mm

3.Technical Details

TECHNICAL DATA SHEET - TRADIT BAIN MARIE

TECHNICAL DETAILS	1250 mm	2500 mm	3750 mm
Refrigeration Load			
Case Temp (°C)	+70		
Evap Temp (°C)	-	-	-
Duty (kW)	-	-	-
Expansion Valve (R134a)	-	-	-
	-	-	-
Pipe Size - Suction	-	-	-
Pipe Size - Liquid	-	-	-
Pipe Size - Drain	-		
Cubic Capacity (dm^3)	-	-	-
Display Area (m^2)	-	-	-
Defrost Details			
Defrost Type	-		
Duration (minutes)	-		
Termination	-		
Defrost Heaters			
Evaporator (Coil)	-	-	-
	-	-	-
Frame (Schott Termofrost)	-	-	-
Doors (Schott Termofrost)	-	-	-
Front Glass	-	-	-
Side Glass	-	-	-
End Walls	-	-	-
Body	-	-	-
Water Drain	-	-	-
Air Return	-	-	-
Air Intake	-	-	-
Electrical			
Supply	230 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Lighting LED Nualight Alto 500 4000K	-	-	-
Heaters Infrared (Hatco)	-	-	-
Heaters Bottom	3000W	6000W	9000W

Design Conditions					
Temp (°C)	25	Humidity (%)	60	Cross Draft Air Speed (m/s)	0,2

TECHNICAL DOCUMENTATION		CHAPTER REVISION STATUS					
		ORD.	DATE	CHANGE ORDER	ORD.	DATE	CHANGE ORDER
PRODUCT	Tradit Bain Marie	A	23.04.12	U.GÜDÜCÜ	D	04.02.14	U.GÜDÜCÜ
DATE of 1st ISSUE	27.02.2012	B	04.09.12	U.GÜDÜCÜ	E		
ORDER	ULAS GÜDÜCÜ	C	12.02.13	U.GÜDÜCÜ	F		

TECHNICAL DATA SHEET - TRADIT DELI COUNTER

TECHNICAL DETAILS	1250 mm	2500 mm	3750 mm
Refrigeration Load			
Case Temp (°C)	-1/+5	-1/+5	-1/+5
Evap Temp (°C)	-10	-10	-10
Duty (kW)	0,625	1,25	1,875
Expansion Valve (R134a)	TES2 Or AKV 10-2	TES2 Or AKV 10-3	TES2 Or AKV 10-4
Evap. Surface (m^2)	5,94	13,37	20,80
Evap. Internal Pipe Volume (dm^3)	2,00	4,26	6,52
Pipe Size - Suction	5/8"	5/8"	5/8"
Pipe Size - Liquid	3/8"	3/8"	3/8"
Pipe Size - Drain	28 mm		
Cubic Capacity (dm^3)	-	-	-
Display Area (m^2)	1,08	2,15	3,23
Defrost Details			
Defrost Type	Off-cycle		
Duration (minutes)	60 min x 3		
Termination	Temp (+11C)		
Defrost Heaters			
Evaporator (Coil)	- -	- -	- -
Frame (Schott Termofrost)	-	-	-
Doors (Schott Termofrost)	-	-	-
Front Glass	-	-	-
Side Glass	-	-	-
End Walls	-	-	-
Body	-	-	-
Water Drain	-	-	-
Air Return	-	-	-
Air Intake	-	-	-
Electrical / Fans			
Supply	230 V / 50 Hz		
Lighting LED Nualight Alto 520 3000K	26W	52W	78W
Evaporator Fans: EBM M1G 055-BD91 1000 rpm	154mm/A 22°		
Evaporator Fans: ELCO ECM HC 12-10-2 1000 rpm	5W x 1	5W x 3	5W x 4

Design Conditions					
Temp (°C)	25	Humidity (%)	60	Cross Draft Air Speed (m/s)	0,2

Air Flow Info	
Air Speed on honeycomb	0.4~0.5 m/s at ambient conditions

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DATE of 1st ISSUE	08.02.2012	B	23.04.12	U.GÜDÜCÜ	E		
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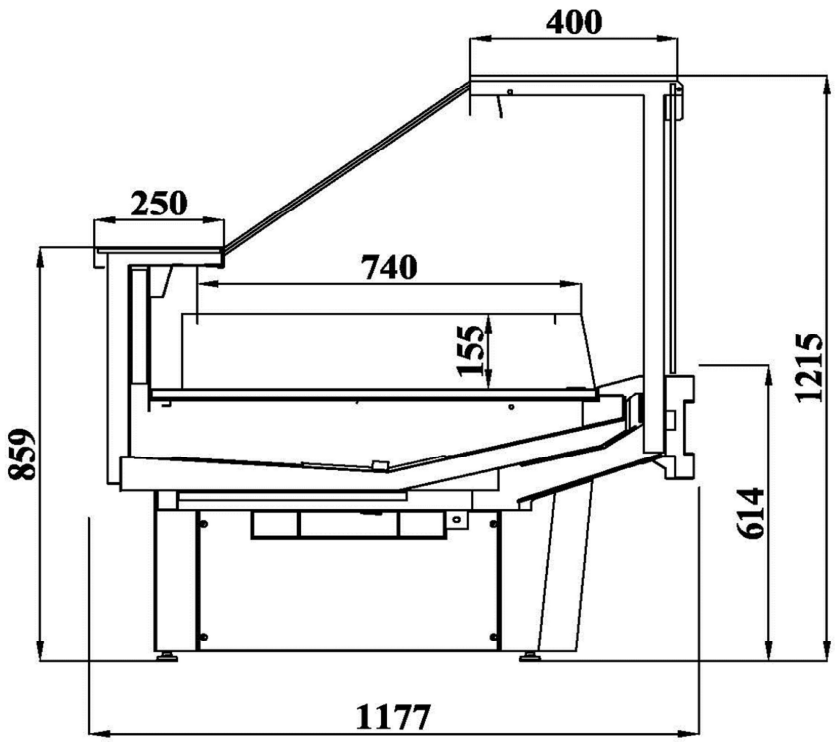
TECHNICAL DATA SHEET - TRADIT BAIN MARIE



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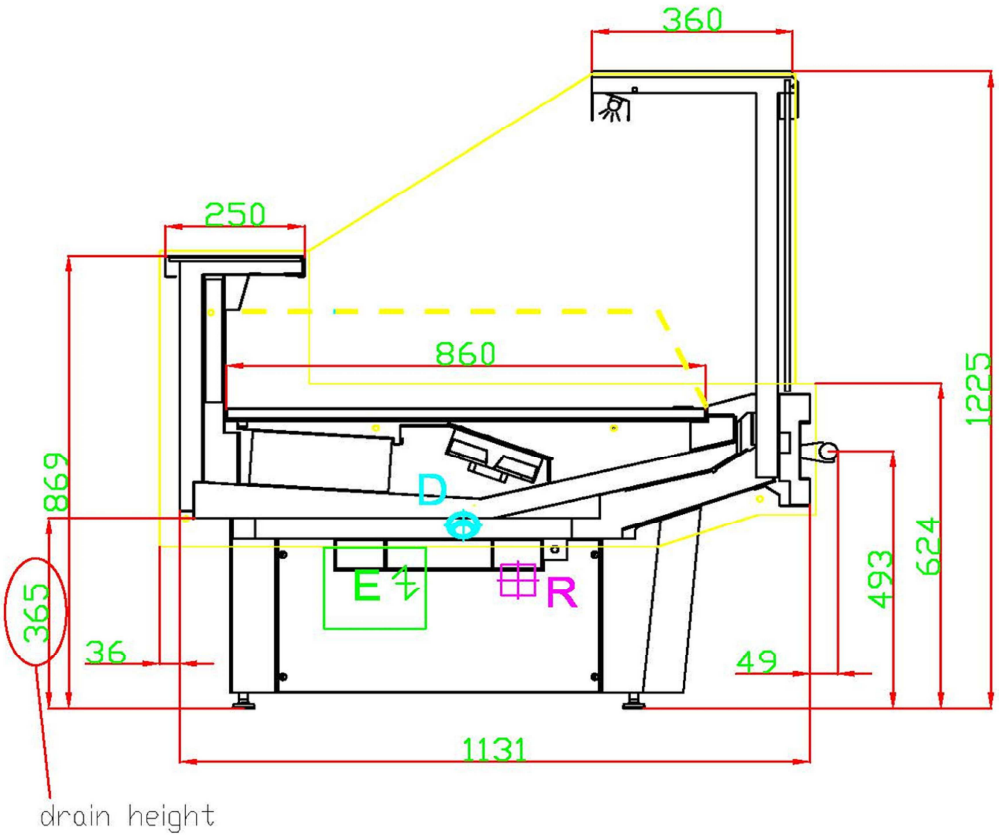

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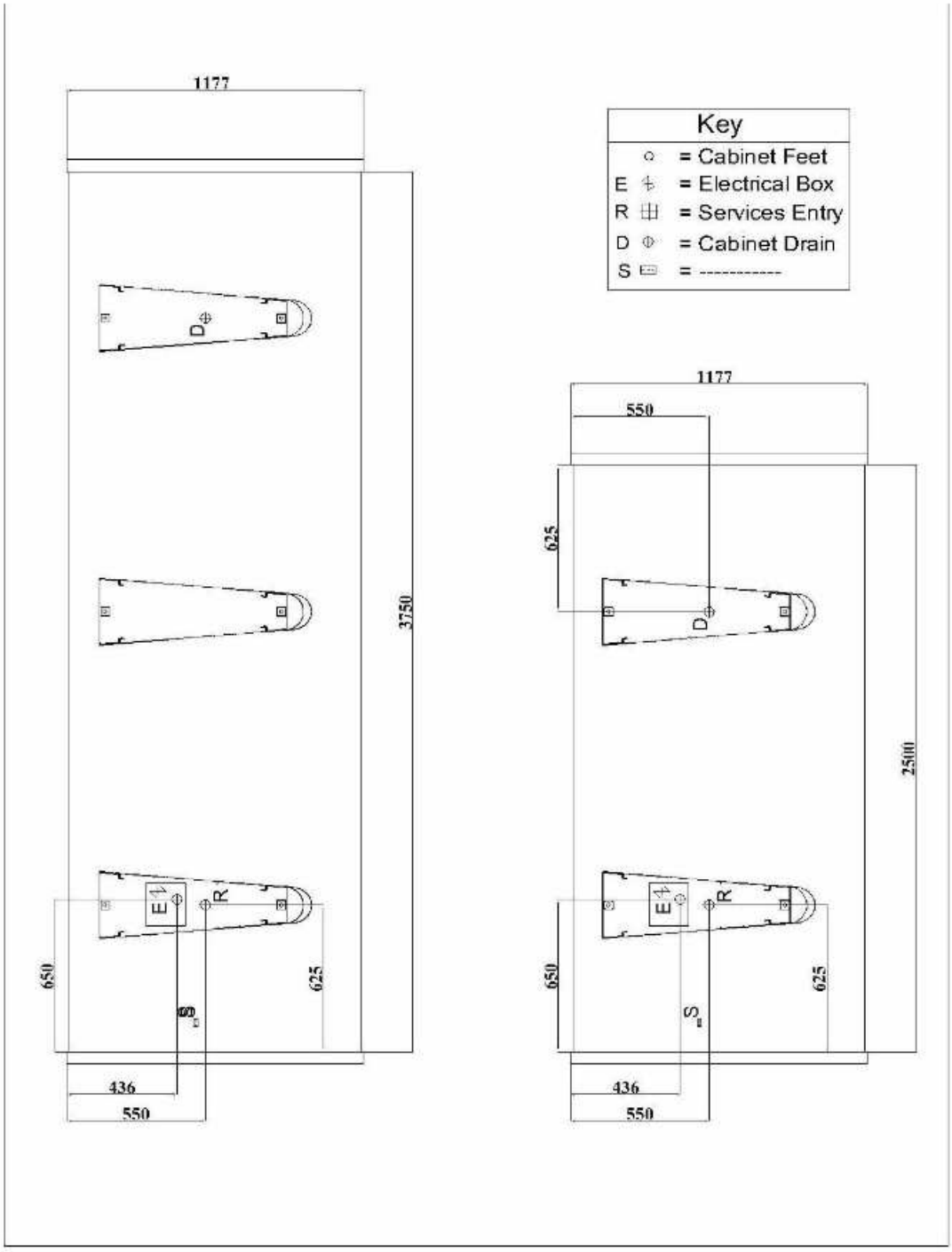

* For 1250 modul only 1 piece of leg located middle of modulation.

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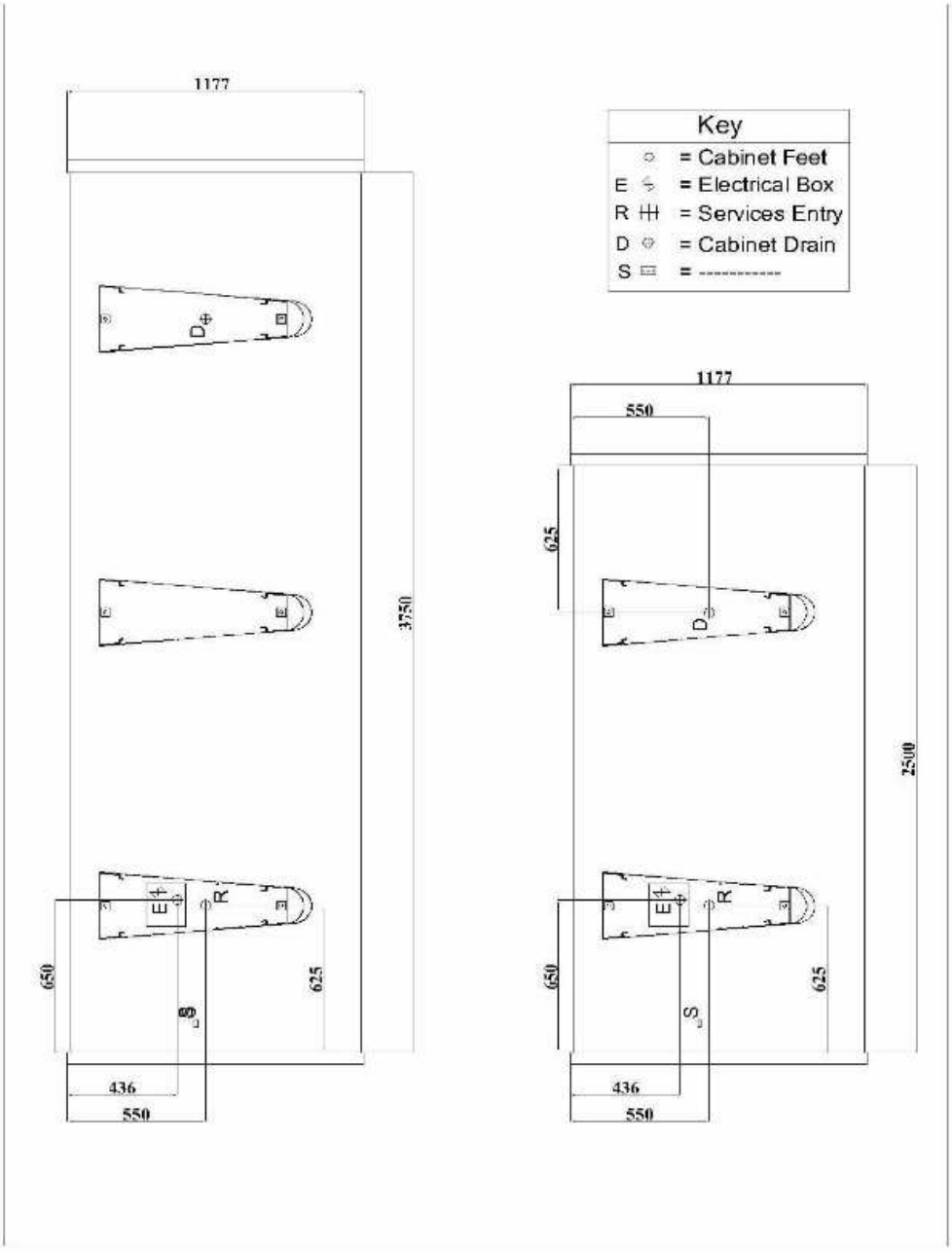

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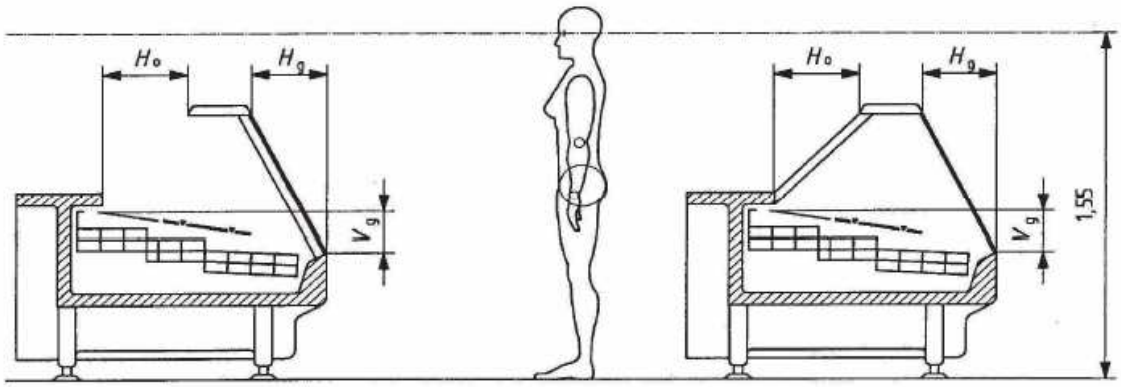
TDA CALCULATION - TRADIT DELI COUNTER

MODUL	Ho	Loh	Tgh	Hg	Lgh	Vo	Lov	Vg	Tgv	Lgv	TDA
1250	0,48	1,25	1	0,40	1,21	0	1,25	0,16	0,90	1,21	1,26
2500	0,48	2,50	1	0,40	2,44	0	2,50	0,16	0,90	2,44	2,52
3750	0,48	3,75	1	0,40	3,67	0	3,75	0,16	0,90	3,67	3,79

TDA = (Ho*Loh)+(Tgh*Hg*Lgh)+(Vo*Lov)+(Vg*Tgv*Lgv) prEN ISO 23953-2



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4. Norms and Certificates

The approved certificates of norms and refrigerators that are using as reference; EN 60204-1; EN 61439-1; EN 61439-2

ENVIRONMENTAL CLIMATIC ATMOSPHERE (EN 23953-2)

This refrigerator is tested as to atmosphere heat class 3.

Class	Dry Air Temparature	Relative Humidity	Dew Point
1	16˚C	%80	12˚C
2	22˚C	%65	15˚C
3	25˚C	%60	17˚C
4	30˚C	%55	20˚C
5	40˚C	%40	24˚C
6	27˚C	%70	21˚C

The directives that the refrigerator suits EEC 73/23 , EEC 98/37

5.Warning and definition stickers on the case

Product Quality Control

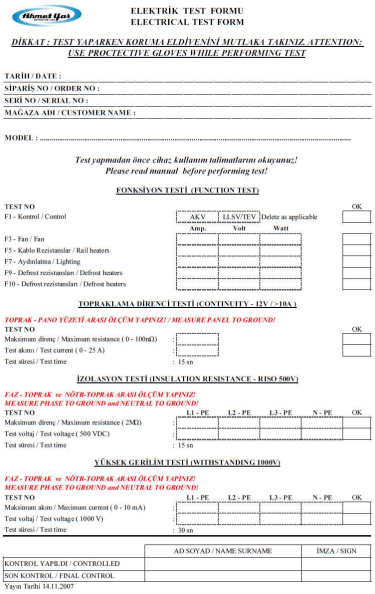
Transport Sticker

Pressure Sticker

Fragile Sticker

Step Sticker

Electrical Test Form


ELEKTRİK TEST FORMU
ELECTRICAL TEST FORM

DİKKAT : TEST YAPARKEN KORUMA ELDİVENİNİ MUTLAKA TAKINIZ. ATTENTION: USE PROCTECTIVE GLOVES WHILE PERFORMING TEST

TARİH / DATE :
SİPARİŞ NO / ORDER NO :
SERİ NO / SERIAL NO :
MAĞAZA ADI / CUSTOMER NAME :

MODEL :

Test yapmadan önce cihaz kullanım talimatlarını okuyunuz!
Please read manual before performing test!

FONKSİYON TESTİ (FUNCTION TEST)

TEST NO	AKV / Amp.	LLSV/TEV / Volt	Delete as applicable / Watt	OK
F1 - Kontrol / Control				
F3 - Fan / Fan				
F5 - Kablo Rezistanslar / Rail heaters				
F7 - Aydınlatma / Lighting				
F9 - Defrost rezistanslan / Defrost heaters				
F10 - Defrost rezistanslan / Defrost heaters				

TOPRAKLAMA DİRENCİ TESTİ (CONTINUITY - 12V / >10A)

TOPRAK - PANO YÜZEYİ ARASI ÖLÇÜM YAPINIZ! / MEASURE PANEL TO GROUND!

TEST NO		OK
Maksimum direnç / Maximum resistance (0 - 100mΩ)		
Test akımı / Test current (0 - 25 A)		
Test süresi / Test time	: 15 sn	

İZOLASYON TESTİ (INSULATION RESISTANCE - RISO 500V)

FAZ - TOPRAK ve NÖTR-TOPRAK ARASI ÖLÇÜM YAPINIZ:
MEASURE PHASE TO GROUND and NEUTRAL TO GROUND!

TEST NO	L1 - PE	L2 - PE	L3 - PE	N - PE	OK
Maksimum direnç / Maximum resistance (2MΩ)					
Test voltaj / Test voltage (500 VDC)					
Test süresi / Test time	: 15 sn				

YÜKSEK GERİLİM TESTİ (WITHSTANDING 1000V)

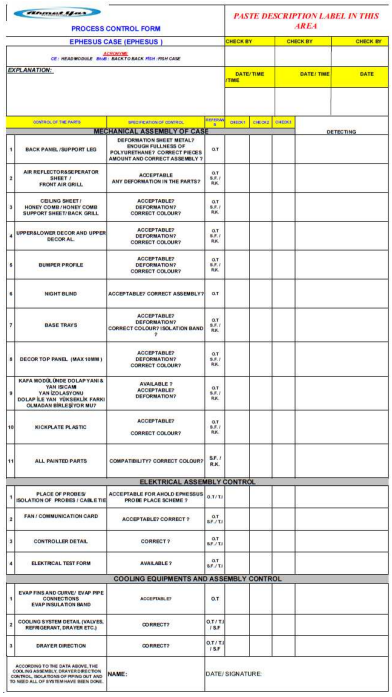
FAZ - TOPRAK ve NÖTR-TOPRAK ARASI ÖLÇÜM YAPINIZ:
MEASURE PHASE TO GROUND and NEUTRAL TO GROUND!

TEST NO	L1 - PE	L2 - PE	L3 - PE	N - PE	OK
Maksimum akım / Maximum current (0 - 10 mA)					
Test voltaj / Test voltage (1000 V)					
Test süresi / Test time	: 30 sn				

	AD SOYAD / NAME SURNAME	İMZA / SIGN
KONTROL YAPILDI / CONTROLLED		
SON KONTROL / FINAL CONTROL		

Yayın Tarihi 14.11.2007

Tradit Process Control Form


PROCESS CONTROL FORM

PASTE DESCRIPTION LABEL IN THIS AREA

EPHESUS CASE (EPHESUS)

ASSEMBLY
CE : HEAD MODULE BLUE : BACK TO BACK YES/H : PEW CASE

EXPLANATION:

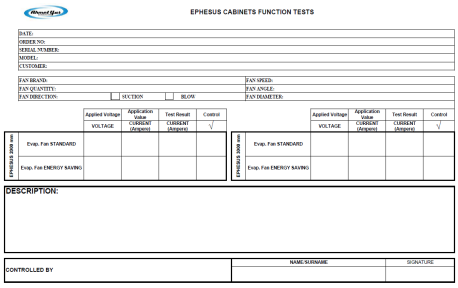
CHECK BY | CHECK BY | CHECK BY
DATE/ TIME | DATE/ TIME | DATE

CONTROL OF THE PARTS	SPECIFICATION OF CONTROL	DEFECTIVE %	CHECK1	CHECK2	CHECK3	DETECTING
MECHANICAL ASSEMBLY OF CASE						
1 BACK PANEL /SUPPORT LEG	DEFORMATION SHEET METAL? ENOUGH FULLNESS OF POLYURETHANE? CORRECT PIECES AMOUNT AND CORRECT ASSEMBLY ?	O.T				
2 AIR REFLECTOR&SEPERATOR SHEET / FRONT AIR GRILL	ACCEPTABLE ANY DEFORMATION IN THE PARTS?	O.T / S.F. / Kal.				
3 CEILING SHEET / HONEY COMB /HONEY COMB SUPPORT SHEET/ BACK GRILL	ACCEPTABLE? DEFORMATION? CORRECT COLOUR?	O.T / S.F. / Kal.				
4 UPPER&LOWER DECOR AND UPPER DECOR AL	ACCEPTABLE? DEFORMATION? CORRECT COLOUR?	O.T / S.F. / Kal.				
5 BUMPER PROFILE	ACCEPTABLE? DEFORMATION? CORRECT COLOUR?	O.T / S.F. / Kal.				
6 NIGHT BLIND	ACCEPTABLE? CORRECT ASSEMBLY?	O.T				
7 BASE TRAYS	ACCEPTABLE? DEFORMATION? CORRECT COLOUR? / ISOLATION BAND ?	O.T / S.F. / Kal.				
8 DECOR TOP PANEL (MAX 1088)	ACCEPTABLE? DEFORMATION? CORRECT COLOUR?	O.T / S.F. / Kal.				
9 KAPA MODÜLÜNDE DOLAP YANI & YAN İSCAM YAN DOLAB'YONU DOLAP İLE YAN YÜKSEKLİK FARKI OLMADAN BİRLEŞİYOR MU?	AVAILABLE ? ACCEPTABLE? DEFORMATION?	O.T / S.F. / Kal.				
10 KICKPLATE PLASTIC	ACCEPTABLE? CORRECT COLOUR?	O.T / S.F. / Kal.				
11 ALL PAINTED PARTS	COMPATIBILITY? CORRECT COLOUR?	S.F. / Kal.				
ELEKTRICAL ASSEMBLY CONTROL						
1 PLACE OF PROBES/ ISOLATION OF PROBES / CABLE TIE	ACCEPTABLE FOR AROLD EPHESUS PROBE PLACE SCHEME ?	O.T / TJ				
2 FAN / COMMUNICATION CARD	ACCEPTABLE? CORRECT ?	O.T S.F. / TJ				
3 CONTROLLER DETAIL	CORRECT ?	O.T S.F. / TJ				
4 ELEKTRICAL TEST FORM	AVAILABLE ?	O.T S.F. / TJ				
COOLING EQUIPMENTS AND ASSEMBLY CONTROL						
1 EVAP FINS AND CURVE/ EVAP PIPE CONNECTIONS EVAP INSULATION BAND	ACCEPTABLE?	O.T				
2 COOLING SYSTEM DETAIL (VALVES, REFRIGERANT, DRAYER ETC.)	CORRECT?	O.T / TJ / S.F				
3 DRAYER DIRECTION	CORRECT?	O.T / TJ / S.F				

ACCORDING TO THE DATA ABOVE, THE PRODUCT HAS BEEN SUBJECTED TO CONTROL, INFLATION OF REFRIGERANT AND TO NEED ALL OF SYSTEM HAVE BEEN DONE.

NAME: DATE/ SIGNATURE:

Tradit Cabinet Function Test


EPHESUS CABINETS FUNCTION TESTS

DATE:
ORDER NO:
SERIAL NUMBER:
MODEL:
CUSTOMER:

FAN BRAND: FAN SPEED:
FAN QUANTITY: FAN ANGLE:
FAN DIRECTION: SUCTION BLOW FAN DIAMETER:

EPHESUS 1088 mm	Applied Voltage / VOLTAGE	Application Value / CURRENT (Ampere)	Test Result / CURRENT (Ampere)	Control / √
Evap. Fan STANDARD				
Evap. Fan ENERGY SAVING				

EPHESUS 1088 mm	Applied Voltage / VOLTAGE	Application Value / CURRENT (Ampere)	Test Result / CURRENT (Ampere)	Control / √
Evap. Fan STANDARD				
Evap. Fan ENERGY SAVING				

DESCRIPTION:

CONTROLLED BY	NAME SURNAME	SIGNATURE

Product Definition Sticker Product definition sticker is located inside the refrigerator on the ceiling and includes all technical properties.

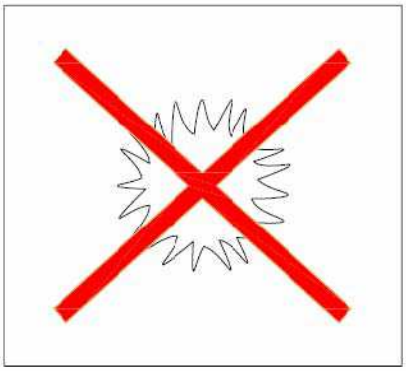
1 Logo and address info of the producer company
2 Product certificates and quality certificates of the producer
3 Model of the product
4 Serial number of the product
5 Production date of the product
6 Air conditioner class of the product
7 Temperature range of the cabinet
8 Type of refrigerant
9 Test pressure
10 Working pressure
11 Working voltage info
12 Approved certificates of the product and the standards&directives
13 Power of evaporator fans
14 Power of lights for canopy
15 Power of lights for shelves
16 Power of Defrost heaters
17 Power of compressor
18 Power of anti sweat heater
19 Max power consumption

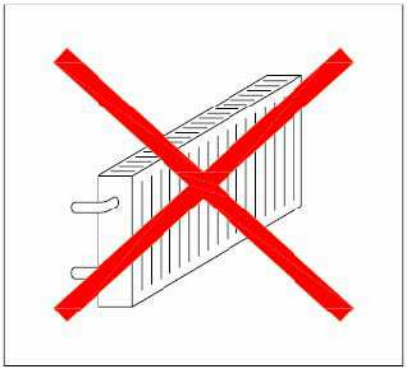
6. Assembling and Environmental Situations

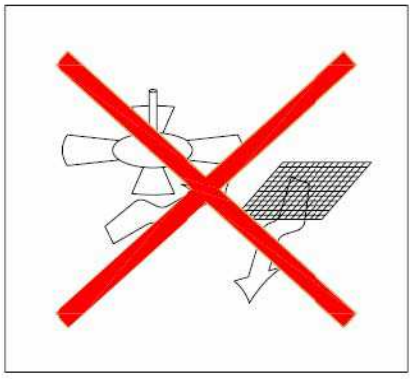
Follow the instructions below for assembling.

The situations that must be paid attention to placing the refrigerators

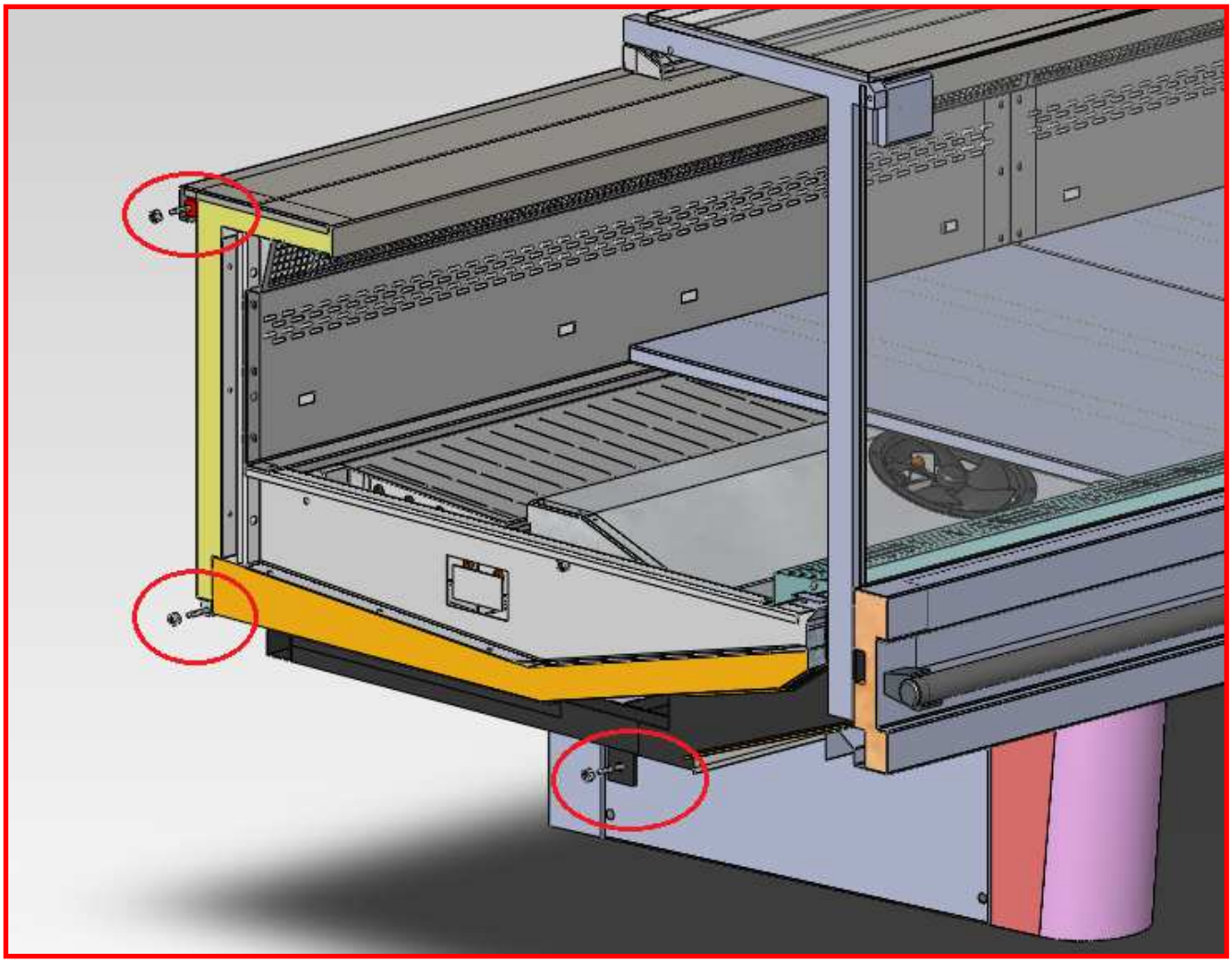
Do not leave or assemble the refrigerator at the positions below ;
Closer to any explosive gasses
Closer to heaters
Through the draught







7. Multiplexing of cases



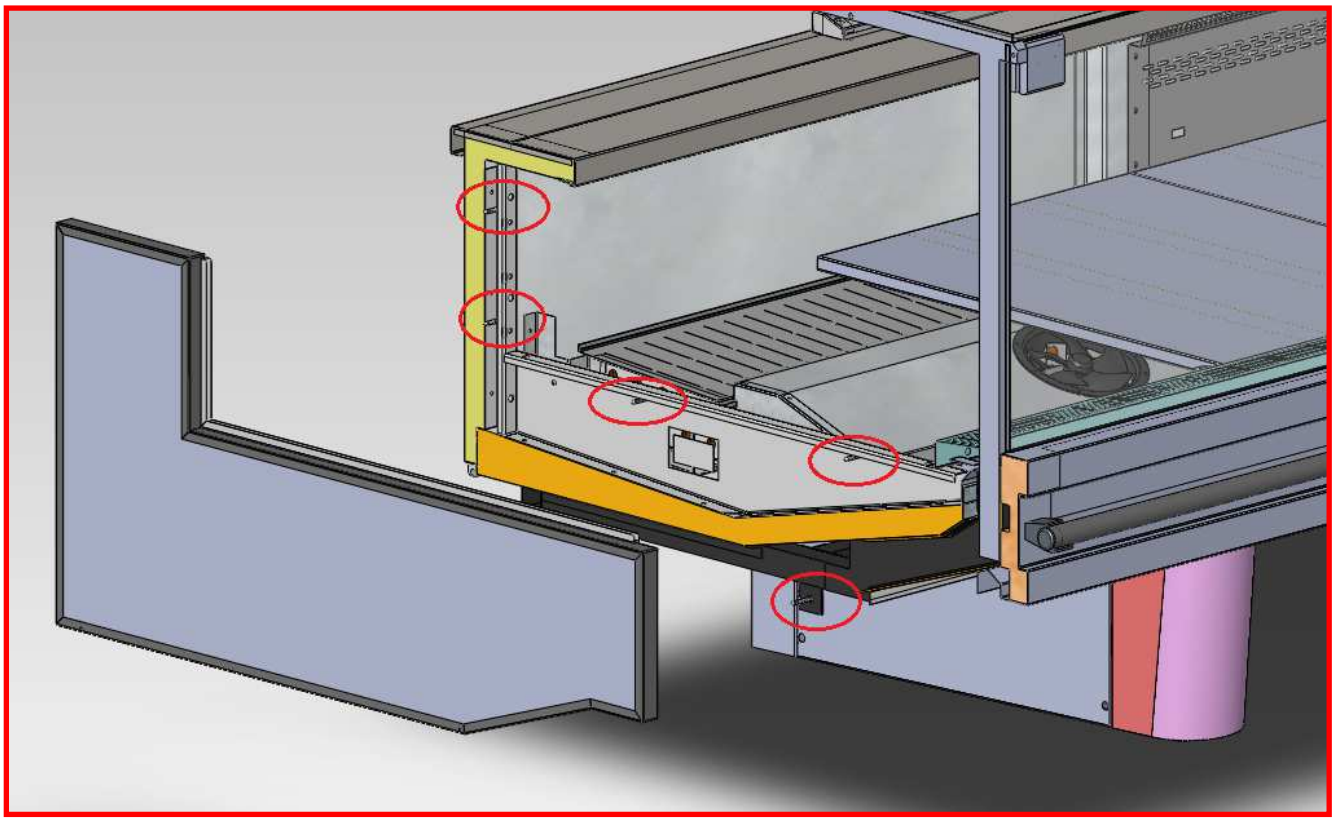
2 pcs of screw inox with rondela m6*40

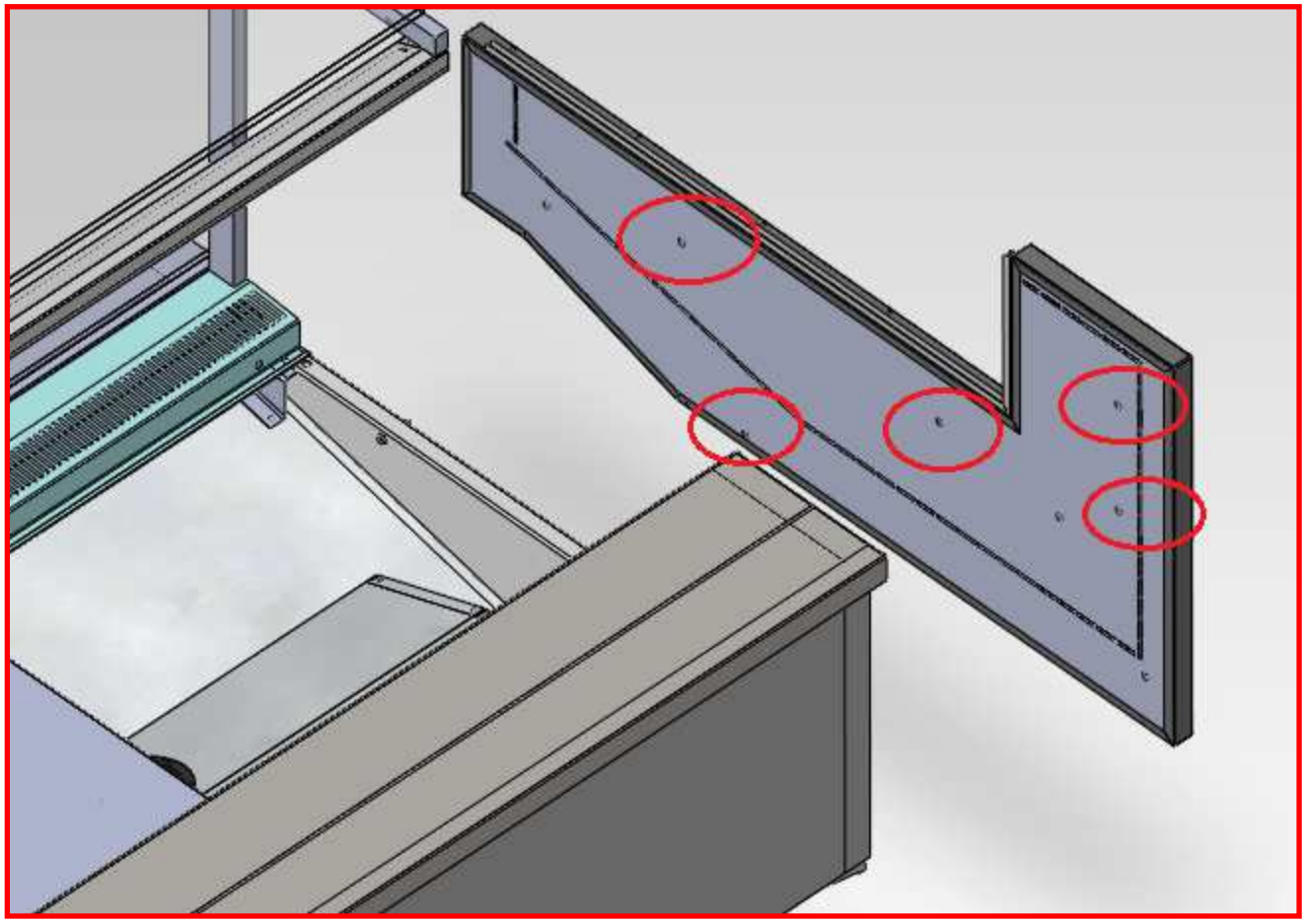
1 pcs of Rondela 6K M6*45

8. Assembling Endwalls

1 pcs of screw 6K M6*45

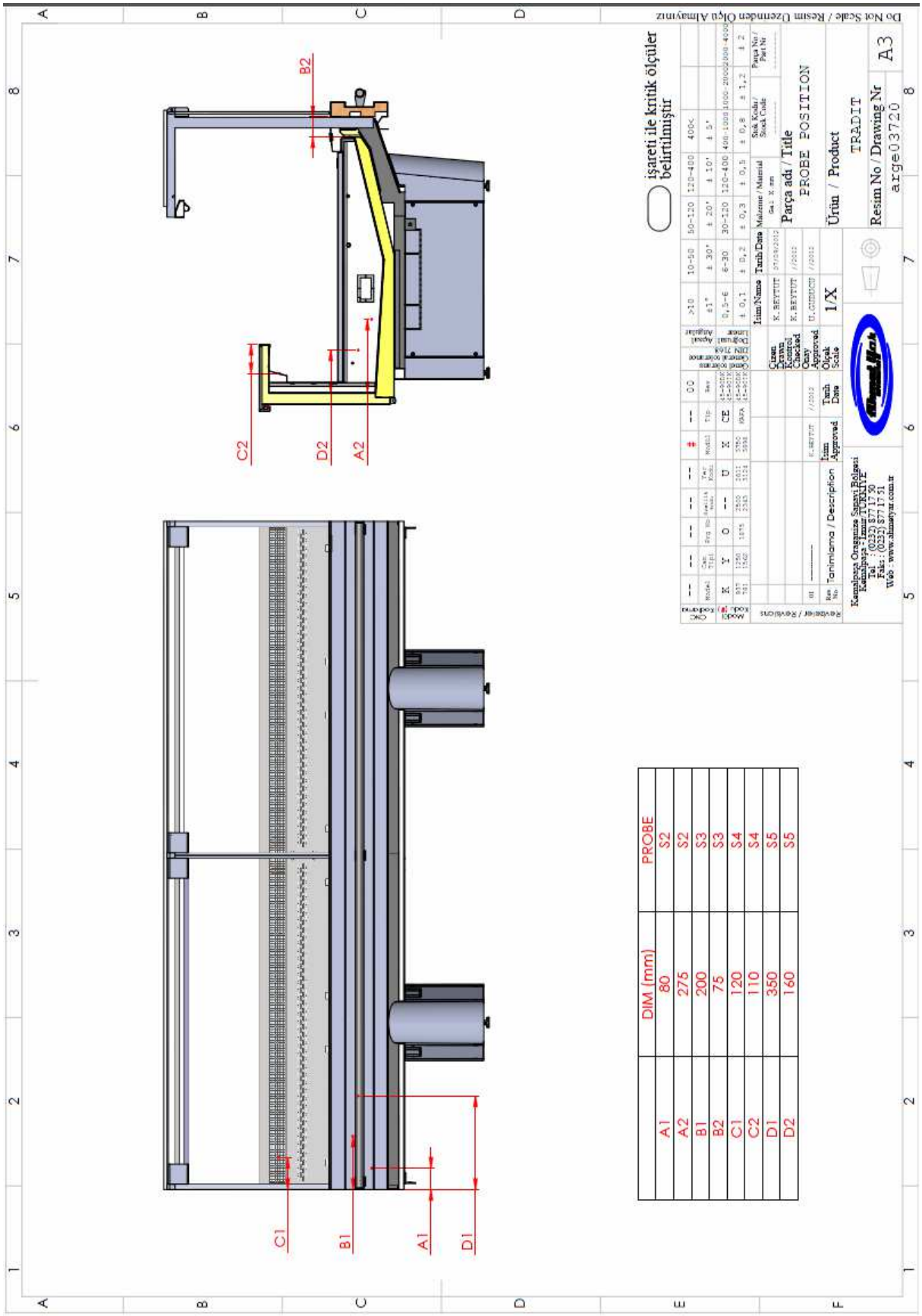
4 adet screw and rondela 6k M6,3X45





9. Assembling Base

10. Prob Position



	DIM (mm)	PROBE
A1	80	S2
A2	275	S2
B1	200	S3
B2	75	S3
C1	120	S4
C2	110	S4
D1	350	S5
D2	160	S5

11. Electricity Connection

Details below must be examined while making the electricity connections.

Attention!! Examine the definition stickers, informations and electricity diagrams on the product guide before making the electric connections.

-Protective automatic key and main power switch must be used against electric current on the refrigerator. -Users must know where the key is kept in case of an emergency

-Electric systems must be grounded. -Maximum voltage difference must be guarantied at %+-6. -The thickness of the cable on the energy line must be at least 2,5 mm2 and must put up with high current

-The cable of energy line must not be longer than 4-5m, depends on the conditions if cable length increases the cable cross-section must be increased too.

-For making the refrigerator works regularly, be sure you obtained the heat and the damp values which are regarded at EN441 and be sure the climate class is 3.

The personnel who will interfere to the refrigerator must have electricity certificate.

12. Care&Cleaning

Long life and satisfactory performance of any equipment is dependent upon the care it receives. To ensure long life, proper sanitation and minimum maintenance costs, these display Cases should be thoroughly cleaned, all debris removed and the interiors washed down, weekly.

Fan Plenum To facilitate cleaning, the fan plenum is hinged and also fastened with screws at each end. After cleaning be sure the plenum is properly lowered into position and that screws are reinstalled OR PRODUCT LOSS WILL RESULT due to improper refrigeration.

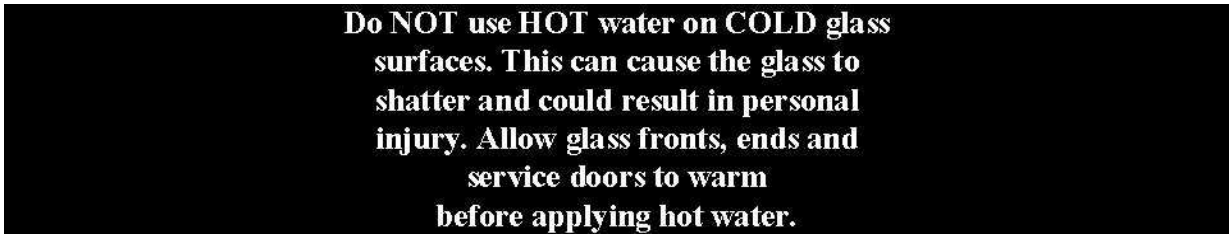
Exterior Surfaces The exterior surfaces should be cleaned with a mild detergent and warm water to protect and maintain their attractive finish. NEVER USE ABRASIVE CLEANSERS OR SCOURING PADS.

Interior Surfaces The interior surfaces may be cleaned with most domestic detergents, ammonia based cleaners and sanitizing solutions with no harm to the surface.

DO NOT USE:

Abrasive cleansers and scouring pads, as these will mar the finish.
Solvent, oil or acidic based cleaners on any interior surfaces.

! WARNING



DO:

Remove the product and all loose debris to avoid clogging the waste outlet.

Store product in a refrigerated area such as a freezer. Remove only as much product as can be taken to the freezer in a timely manner.

First turn off refrigeration, then disconnect electrical power.

Thoroughly clean all surfaces with soap and hot water. DO NOT USE STEAM OR HIGH WATER PRESSURE HOSES TO WASH THE INTERIOR.

THESE WILL DESTROY THE DISPLAY CASESSEALING CAUSING LEAKS AND POOR PERFORMANCE.

Remove screws and lift fan plenum for cleaning. BE SURE TO REPOSITION THE FAN PLENUM AFTER CLEANING DISPLAY CASE.

Take care to minimize direct contact between fan motors and cleaning or rinse water.

Rinse with hot water, but do NOT flood. NEVER INTRODUCE WATER FASTER THAN THE WASTE OUTLET CAN REMOVE IT.

Allow Display Cases to dry before resuming operation.

After cleaning is completed, turn on power and refrigerant to the Display Case. Verify that Display Case is working properly

REPLACING FAN MOTORS AND BLADES

See cross section for location of evaporator fans. Should it ever be necessary to service or replace the fan motors or blades be certain that the fan blades are re-installed correctly. THE BLADES MUST BE INSTALLED WITH RAISED EMBOSSING (PART NUMBER ON PLASTIC BLADES) POSITIONED AS INDICATED ON THE PARTS LIST. (Refer to the case data sheet for each model.)

For access to these fans:

1 Turn off power.
2 Remove bottom display pans.
3 Disconnect fan from wiring harness.
4 Remove fan blade.
5 Lift fan plenum and remove screws holding bottom of motor to fan basket.
6 Replace fan motor and blade.
7 Lower fan plenum.

8 Reconnect fan to wiring harness.

9 Turn on power.

10 Verify that motor is working and blade is turning in the correct direction.

11 Close air gaps under fan plenum. Warmer air moving into refrigerated air reduces effective cooling. If the plenum does not rest against the case bottom without gaps, apply foam tape to the bottom of the fan plenum to reduce improper air movement. Use silicone sealant to close other gaps.

12 Replace display pans. Bring Display Case to operating temperature before restocking.

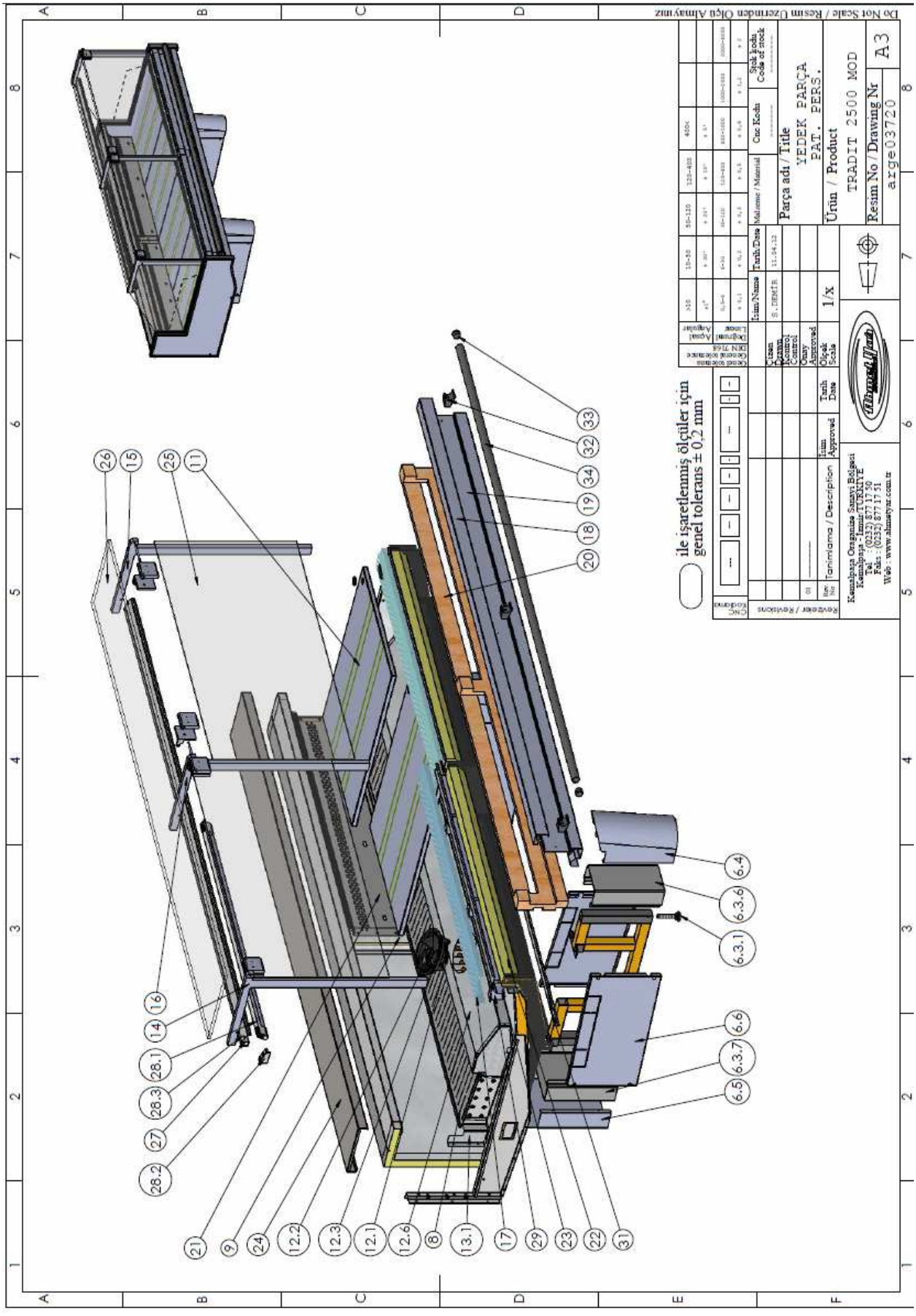
13. Recycle Parts

All countries are disposing of waste according to EU laws and norms

Current Recycle Parts on the case

Painted Metals :Pillars ,shelves ,legs, back panel, base tray, ceiling
Cupper, Aluminium :Evaporator and electrical parts
Stainless Steels :Bottom panels ,painted panels ,basic parts , base tray
Polyurethane :Thermal injection
Thermopane :Glass parts
PVC :Handrails
Polystyrene :Side endwalls
Polycarbon :Led Lighting cover

14. Spare Parts



TRADIT (LETON) AHCZ YEDEK PART LIST

COLONMN FOOT - SELF SERVIS GLASS

ITEM		PART NAME	STOK NO	937	1250	1875	2500	2811	3750	900K
6	6	TRADIT (LETON) AHCZ COLOUMN FOOT WELDED PAINTED COMPLETE	45800150-AHCZ	1 pcs.	1 pcs.	2 pcs.	2 pcs.	2 pcs.	3 pcs.	2 pcs.
	6,1	TRADIT (LETON) AHCZ COLOUMN FOOT KICKPLATE RUBBER SHEET	35800105	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6,2	EPHESUS KICKPLATE RUBBER 3000 MM	44903054	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6,3	TRADIT-MILET COLOUMN FOOT WELDED PAINTED COMPLETE	48400150	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6.3.1	BOLT FOOT M16*90 (RUBBER)	24019908	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
	6.3.6	TRADIT-MILET COLOUMN FOOT FRONT SHEET	38400100	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6.3.7	TRADIT-MILET COLOUMN FOOT BACK SHEET	38400101	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6,4	TRADIT-MILET COLOUMN FOOT FRONT DECOR SHEET PAINTED	48400051	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6,5	TRADIT-MILET COLOUMN FOOT BACK DECOR SHEET PAINTED	48400052	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	6,6	TRADIT-MILET COLOUMN FOOT SIDE LID SHEET PAINTED	48400053	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
8	8	TRADIT (LETON) EVAP.UPPER SHEET PSM 937 mm	35801093	1 pcs.						
		TRADIT (LETON) EVAP.UPPER SHEET PSM 1250 mm	35802093		1 pcs.					
		TRADIT (LETON) EVAP.UPPER SHEET PSM 1875 mm	35803093			1 pcs.				
		TRADIT (LETON) EVAP.UPPER SHEET PSM 2500 mm	35804093				1 pcs.			
		TRADIT (LETON) EVAP.UPPER SHEET PSM 2811 mm	35805093					1 pcs.		
		TRADIT (LETON) EVAP.UPPER SHEET PSM 3750 mm	35806093						1 pcs.	
		TRADIT (LETON) EVAP.UPPER SHEET PSM 900K	35811093							1 pcs.
9	9	BODROM BACK AIR BLOWING BAG.BRACKET	35400025			1 pcs.	1 pcs.	2 pcs.	2 pcs.	
10	10	TRADIT (LETON) BACK AIR BLOWING BAG.BRACKET 900K	35800025							1 pcs.
11	11	BODROM COUNTER BASE 66mm BRACKET	45401055	2 pcs.				6 pcs.		
		BODROM COUNTER BASE 865*625mm BRACKET	45402055		2 pcs.	3 pcs.	4 pcs.		6 pcs.	
		TRADIT BASE 900K RIGHT BRACKET	45811055							1 pcs.
		TRADIT BASE 900K LEFT BRACKET	45811056							1 pcs.
12		TRADIT (LETON) FAN SHEET WITH MOTOR 937 mm	45801047	1 pcs.						
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001	1 pcs.						
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210	1 pcs.						
	12,3	FAN COVER 154 ENJ.	20860002	1 pcs.						
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127	1 pcs.						
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128	1 pcs.						
	12,6	TRADIT (LETON) FAN SHEET 937 MM	35801084	1 pcs.						
		TRADIT (LETON) FAN SHEET WITH MOTOR 1250 mm	45802047		1 pcs.					
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001		1 pcs.					
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210		1 pcs.					
	12,3	FAN COVER 154 ENJ.	20860002		1 pcs.					
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127		1 pcs.					
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128		1 pcs.					
	12,6	TRADIT (LETON) FAN SHEET 1250 MM	35802084		1 pcs.					
		TRADIT (LETON) FAN SHEET WITH MOTOR 1875 mm	45803047			1 pcs.				
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001			2 pcs.				
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210			2 pcs.				
	12,3	FAN COVER 154 ENJ.	20860002			2 pcs.				
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127			1 pcs.				
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128			1 pcs.				
	12,6	TRADIT (LETON) FAN SHEET 1875 MM	35803084			1 pcs.				
		TRADIT (LETON) FAN SHEET WITH MOTOR 2500 mm	45804047				1 pcs.			
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001				2 pcs.			
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210				2 pcs.			
	12,3	FAN COVER 154 ENJ.	20860002				2 pcs.			
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127				1 pcs.			
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128				1 pcs.			
	12,6	TRADIT (LETON) FAN SHEET 2500 MM	35804084				1 pcs.			
		TRADIT (LETON) FAN SHEET WITH MOTOR 2811 mm	45805047					1 pcs.		
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001					3 pcs.		
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210					3 pcs.		
	12,3	FAN COVER 154 ENJ.	20860002					3 pcs.		
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127					1 pcs.		
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128					1 pcs.		
	12,6	TRADIT (LETON) FAN SHEET 2811 MM	35805084					1 pcs.		
		TRADIT (LETON) FAN SHEET WITH MOTOR 3750 mm	45806047						1 pcs.	
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001						3 pcs.	
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210						3 pcs.	
	12,3	FAN COVER 154 ENJ.	20860002						3 pcs.	
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127						1 pcs.	
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128						1 pcs.	
	12,6	TRADIT (LETON) FAN SHEET 3750 MM	35806084						1 pcs.	
		TRADIT FAN SHEET WITH MOTOR 900K	45811047							1 pcs.
	12,1	FAN MOTOR COUNTER (ELCO N 5-13 NET2T05ZVN001)	20830001							2 pcs.
	12,2	FAN BLADE BLOWING 154-22 (ELCO AO)	20840210							2 pcs.
	12,3	FAN COVER 154 ENJ.	20860002							2 pcs.
	12,4	TRADIT (LETON) FAN SHEET LOWER BRACKET RIGHT	35800127							2 pcs.
	12,5	TRADIT (LETON) FAN SHEET LOWER BRACKET LEFT	35800128							2 pcs.
	12,6	TRADIT (LETON) FAN SHEET 900K RIGHT	35811084							1 pcs.
	12,7	TRADIT (LETON) FAN SHEET 900K LEFT	35811085							1 pcs.
13	13,1	TRADIT (LETON) BYPASS SHEET RIGHT	35800060	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
	13,2	TRADIT (LETON) BYPASS SHEET LEFT	35800061	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
14	14	TRADIT (LETON) LIFTING GLASS RIGHT HORN 2000	45800027	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
15	15	TRADIT (LETON) LIFTING GLASS LEFT HORN 2000	45800028	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.	1 pcs.
16	16	TRADIT (LETON) LIFTING GLASS MIDDLE HORN 2000	45800029			1 pcs.	1 pcs.	2 pcs.	2 pcs.	2 pcs.
17	17	TRADIT(LETON) FRONT SUCTION SHEET 937 MM RIGHT	35801078			1 pcs.		1 pcs.		
		TRADIT(LETON) FRONT SUCTION SHEET 937 MM LEFT	35801079			1 pcs.		1 pcs.		
		TRADIT(LETON) FRONT SUCTION SHEET 937 MM MIDDLE	35801080					1 pcs.		
		TRADIT(LETON) FRONT SUCTION SHEET 937 MM	35801077	1 pcs.						
		TRADIT(LETON) FRONT SUCTION SHEET 1250 MM RIGHT	35802078				1 pcs.		1 pcs.	
		TRADIT(LETON) FRONT SUCTION SHEET 1250 MM LEFT	35802079				1 pcs.		1 pcs.	
		TRADIT(LETON) FRONT SUCTION SHEET 1250 MM MIDDLE	35802080						1 pcs.	
		TRADIT(LETON) FRONT SUCTION SHEET 1250 MM	35802077		1 pcs.					
		TRADIT(LETON) FRONT SUCTION SHEET 900K RIGHT	35811078							1 pcs.

TRADIT (LETON) AHCZ YEDEK PART LIST

COLONMN FOOT - SELF SERVIS GLASS

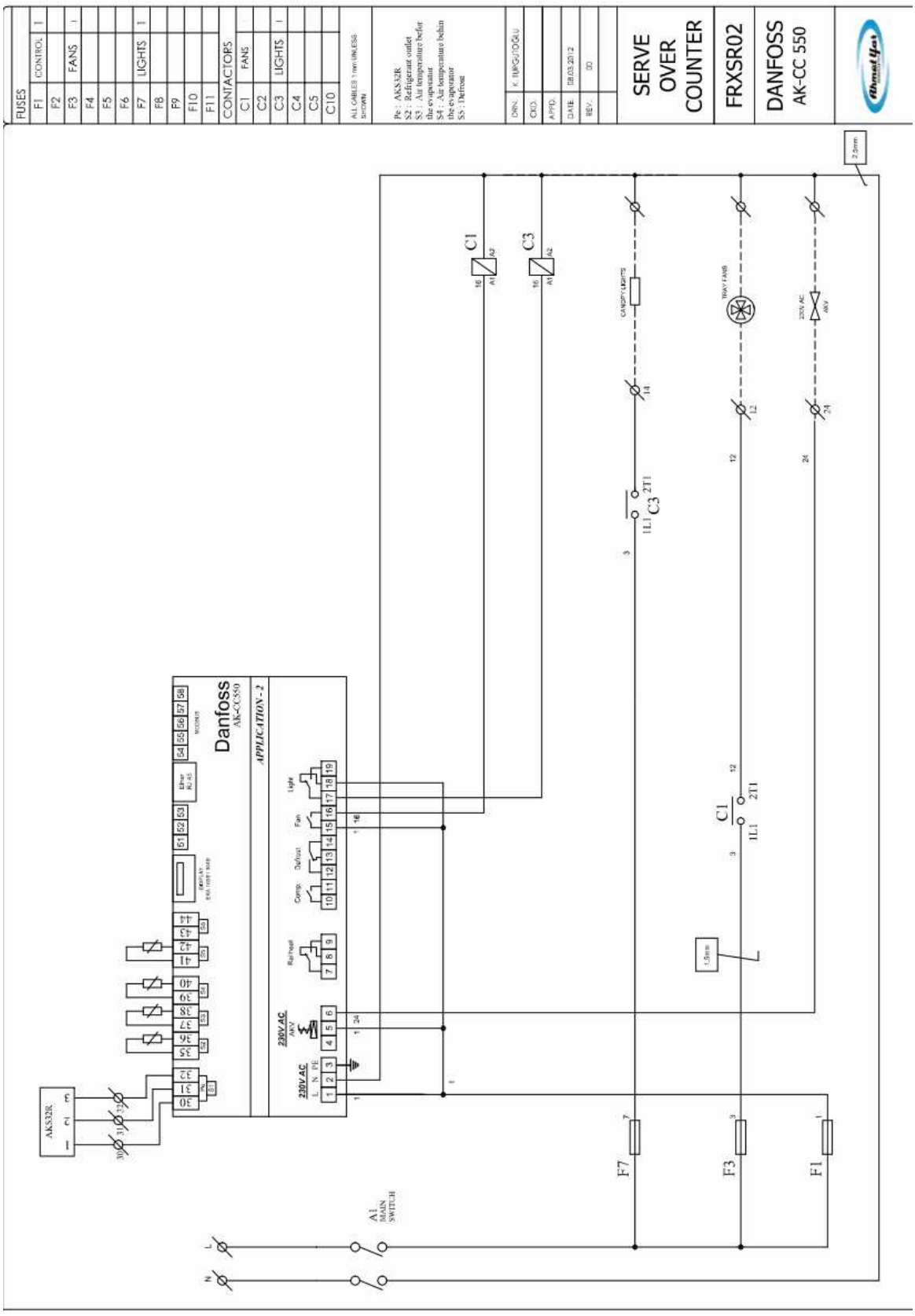
ITEM		PART NAME	STOK NO	937	1250	1875	2500	2811	3750	900K
		TRADIT(LETON) FRONT SUCTION SHEET 900K LEFT	35811079							1 pcs.
18	18	TRADIT(LETON) FRONT DRESSING SHEET UPPER 937 MM PAINTED	45801076	1 pcs.						
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 1250 MM PAINTED	45802076		1 pcs.					
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 1875 MM PAINTED	45803076			1 pcs.				
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 2500 MM PAINTED	45804076				1 pcs.			
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 2811 MM PAINTED	45805076					1 pcs.		
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 3750 MM PAINTED	45806076						1 pcs.	
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 900K RIGHT PAINTED	45811082							1 pcs.
		TRADIT(LETON) FRONT DRESSING SHEET UPPER 900K LEFT PAINTED	45811083							1 pcs.
19	19	TRADIT(LETON) FRONT DRESSING SHEET LOWER 937 MM PAINTED	45801075	1 pcs.						
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 1250 MM PAINTED	45802075		1 pcs.					
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 1875 MM PAINTED	45803075			1 pcs.				
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 2500 MM PAINTED	45804075				1 pcs.			
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 2811 MM PAINTED	45805075					1 pcs.		
		TRADIT(LETON) FRONT DRESSING SHEET AT 3750 MM PAINTED	45806075						1 pcs.	
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 900K RIGHT PAINTED	45811080							1 pcs.
		TRADIT(LETON) FRONT DRESSING SHEET LOWER 900K LEFT PAINTED	45811081							1 pcs.
20	20	TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 937 MM	45801063-AHCZ	1 pcs.						
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 1250 MM	45802063-AHCZ		1 pcs.					
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 1875 MM	45803063-AHCZ			1 pcs.				
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 2500 MM	45804063-AHCZ				1 pcs.			
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 2811 MM	45805063-AHCZ					1 pcs.		
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 3750 MM	45806063-AHCZ						1 pcs.	
		TRADIT (LETON) FRONT DECOR SUPPORT MDF SI 900K	45811063-AHCZ							2 pcs.
21	21	TRADIT(LETON) BACK BLOWING SHEET 937 MM PSM	35801035	1 pcs.		2 pcs.		3 pcs.		
		TRADIT(LETON) BACK BLOWING SHEET 1250 MM PSM	35802035		1 pcs.		2 pcs.		3 pcs.	
		TRADIT(LETON) BACK BLOWING SHEET 900K RIGHT PSM	35811035							1 pcs.
		TRADIT(LETON) BACK BLOWING SHEET 900K LEFT PSM	35811036							1 pcs.
22	22	TRADIT (LETON) FRONT ISOLATION POLYURETHANE PANEL 937 MM	45801060	1 pcs.		2 pcs.		3 pcs.		3 pcs.
		TRADIT (LETON) FRONT ISOLATION POLYURETHANE PANEL 1250 MM	45802060		1 pcs.		2 pcs.		3 pcs.	
23	23	TRADIT (LETON) FRONT SUCTION LOWER SHEET 937 MM PSM SINGLE MODULE	35801015	1 pcs.						
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 937 MM PSM RIGHT	35801016			1 pcs.		1 pcs.		
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 937 MM PSM LEFT	35801017			1 pcs.		1 pcs.		
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 937 MM PSM MIDDLE	35801018					1 pcs.		
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 1250 MM PSM SINGLE MODULE	35802015		1 pcs.					
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 1250 MM PSM RIGHT	35802016				1 pcs.		1 pcs.	
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 1250 MM PSM LEFT	35802017				1 pcs.		1 pcs.	
		TRADIT (LETON) FRONT SUCTION LOWER SHEET 1250 MM PSM MIDDLE	35802018						1 pcs.	
		TRADIT (LETON) FRONT SUCTION LOWER SHEET PSM 900K RIGHT	35811015							1 pcs.
		TRADIT (LETON) FRONT SUCTION LOWER SHEET PSM 900K LEFT	35811016							1 pcs.
24	24	TRADIT(LETON) BANGO SHEET 937 MM	35801012	1 pcs.						
		TRADIT(LETON) BANGO SHEET 1250 MM	35802012		1 pcs.					
		TRADIT(LETON) BANGO SHEET 1875 MM	35803012			1 pcs.				
		TRADIT(LETON) BANGO SHEET 2500 MM	35804012				1 pcs.			
		TRADIT(LETON) BANGO SHEET 2811 MM	35805012					1 pcs.		
		TRADIT(LETON) BANGO SHEET 3750 MM	35806012						1 pcs.	
		TRADIT(LETON) BANGO SHEET 900K	35811012							1 pcs.
25	25	TRADIT SELF SERVIS FRONT GLASS 932 SINGLE MODULE	23610665	1 pcs.		2 pcs.		2 pcs.		
		TRADIT SELF SERVIS FRONT GLASS 932 MIDDLE	23610694					1 pcs.		
		TRADIT SELF SERVIS FRONT GLASS 1245 MIDDLE	23610667						1 pcs.	
		TRADIT SELF SERVIS FRONT GLASS 1245 CORNER	23610666		1 pcs.		2 pcs.		2 pcs.	
		TRADIT SELF SERVIS OUTER CORNER FRONT GLASS 8 mm. SECURIT	23610683							2 pcs.
26	26	TRADIT UPPER GLASS 935x360x10 mm. SECURIT	23610670	1 pcs.		2 pcs.		3 pcs.		
		TRADIT UPPER GLASS 1245x360x10 mm. SECURIT	23610671		1 pcs.		2 pcs.		3 pcs.	
		TRADIT OUTER CORNER UPPER GLASS 10 mm. SECURIT	23610684							2 pcs.
27	27	TRADIT (LETON) UPPER GLASS LOWER PROFILE 937 MM	45801014	1 pcs.						
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 1250 MM	45802014		1 pcs.					
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 1875 MM	45803014			1 pcs.				
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 2500 MM	45804014				1 pcs.			
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 2811 MM	45805014					1 pcs.		
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 3750 MM	45806014						1 pcs.	
		TRADIT (LETON) UPPER GLASS LOWER PROFILE 900K MM	45811014							1 pcs.
28	28	TRADIT(LETON) AHCZ LIGHTING 937 MM COMPLETE	45801130-AHCZ	1 pcs.						
	28,1	ALTO 520 SILVER 927 mm 4000 K (L-BRK+CABLE) 21W - CANOPY LED (N13F16) - NUALIGHT	22340201	1 pcs.						
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064	2 pcs.						
	28,3	TRADIT (LETON) LIGHTING SHEET 937 MM PSM	35801064	1 pcs.						
	28	TRADIT(LETON) AHCZ LIGHTING 1250 MM COMPLETE	45802130-AHCZ		1 pcs.					
	28,1	ALTO 520 SILVER 1240 mm 4000 K (L-BRK+CABLE) 26W - CANOPY LED (N13333) - NUALIGHT	22340203		1 pcs.					
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064		2 pcs.					
	28,3	TRADIT (LETON) LIGHTING SHEET 1250 MM PSM	35802064		1 pcs.					
	28	TRADIT(LETON) AHCZ LIGHTING 1875 MM COMPLETE	45803130-AHCZ			1 pcs.				
	28,1	ALTO 520 SILVER 927 mm 4000 K (L-BRK+CABLE) 21W - CANOPY LED (N13F16) - NUALIGHT	22340201			2 pcs.				
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064			2 pcs.				
	28,3	TRADIT (LETON) LIGHTING SHEET 1875 MM PSM	35803064			1 pcs.				
	28	TRADIT(LETON) AHCZ LIGHTING 2500 MM COMPLETE	45804130-AHCZ				1 pcs.			
	28,1	ALTO 520 SILVER 1240 mm 4000 K (L-BRK+CABLE) 26W - CANOPY LED (N13333) - NUALIGHT	22340203				2 pcs.			
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064				2 pcs.			
	28,3	TRADIT (LETON) LIGHTING SHEET 2500 MM PSM	35804064				1 pcs.			
	28	TRADIT(LETON) AHCZ LIGHTING 2811 MM COMPLETE	45805130-AHCZ					1 pcs.		
	28,1	ALTO 520 SILVER 927 mm 4000 K (L-BRK+CABLE) 21W - CANOPY LED (N13F16) - NUALIGHT	22340201					3 pcs.		
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064					2 pcs.		
	28,3	TRADIT (LETON) LIGHTING SHEET 2811 MM PSM	35805064					1 pcs.		
	28	TRADIT(LETON) AHCZ LIGHTING 3750 MM COMPLETE	45806130-AHCZ						1 pcs.	
	28,1	ALTO 520 SILVER 1240 mm 4000 K (L-BRK+CABLE) 26W - CANOPY LED (N13333) - NUALIGHT	22340203						3 pcs.	
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064						2 pcs.	
	28,3	TRADIT (LETON) LIGHTING SHEET 3750 MM PSM	35806064						1 pcs.	
		TRADIT(LETON) AHCZ LIGHTING SHEET 900K COMPLETE	45811130-AHCZ							1 pcs.

TRADIT (LETON) AHCZ YEDEK PART LIST

COLONMN FOOT - SELF SERVIS GLASS

ITEM		PART NAME	STOK NO	937	1250	1875	2500	2811	3750	900K
	28,1	ALTO 520 SILVER 927 mm 4000 K (L-BRK+CABLE) 21W - CANOPY LED (N13F16) - NUALIGHT	22340201							2 pcs.
	28,2	TRADIT (LETON) LIGHTING SHEET SIDE LID	35800064							2 pcs.
	28,3	TRADIT (LETON) LIGHTING SHEET 900K PSM	35811064							1 pcs.
29	29	TRADIT(LETON) FRONT SUCTION LEG	35800026	3 pcs.	3 pcs.	6 pcs.	6 pcs.	9 pcs.	9 pcs.	6 pcs.
30	30	HONEY COMB 65*10*937 mm	40017011	1 pcs.		2 pcs.		3 pcs.		1 pcs.
		HONEY COMB 65*10*1250 mm	40017012		1 pcs.		2 pcs.		3 pcs.	
31	31	TRADIT-MILEZ LOWER CLOSING COVER SHEET 937 MM PAINTED	48401057	1 pcs.						
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 1250 MM PAINTED	48402057		1 pcs.					
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 1875 MM PAINTED	48403057			1 pcs.				
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 2500 MM PAINTED	48404057				1 pcs.			
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 2811 MM PAINTED	48405057					1 pcs.		
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 3750 MM PAINTED	48406057						1 pcs.	
		TRADIT-MILEZ LOWER CLOSING COVER SHEET 900K PAINTED	48411057							1 pcs.
32	32	COUNTER CABINET BUMPER CONNECTION ALUMINUM - SMALL	23500501	2 pcs.	2 pcs.	pcs.	pcs.	pcs.	4 pcs.	4 pcs.
33	33	TWIN BUMPER CAP KROM - Ø 32 mm.	23500514	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
34	34	STAINLESS STEEL PIPE Ø32 MM 1,00 MM	23201001	0,37 MT	1,3 MT	1,9 MT	2,5 MT	2,8 MT	3,75 MT	2,9 MT

15.Electrical test report located inside of cabinet.



CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
/Pro (Prob parameters)								
/2	Measurement stability		4	4	4	4	4	4
/4	Virtual Prob: Blowing and suction probes rates for regulation 0= Blow probe 100= Suction probe		100	100	100	50	50	50
/5	ºC or ºF selection 0=°C, 1=°F		0	0	0	0	0	0
/6	Decimal 0=active, 1= inactive		1	1	1	1	1	1
rHS	Virtual probe regulation rate to calculate glass temperature 0= Blow probe 100= Suction probe		20	20	20	20	20	20
/t	Are signals and alarms viewed in non-button terminal? 0= inactive 1= active		0	0	0	0	0	0
/t1	probe to be viewed in button terminal 0 = Terminal inactive 1 = Probe 1 2 = Probe 2 3 = Probe 3 4 = Probe 4 5 = Probe 5 6 = Probe 6 7 = Probe 7	8 =Serial probe 8 9 =Serial probe 9 10 =Serial probe 10 11 =Serial probe 11 12 = Control probe 13 = Virtual probe 14 = Set point	12	12	12	12	12	12
/t2	probe to be viewed in non-button terminal 0 = Terminal inactive 1 = Probe 1 2 = Probe 2 3 = Probe 3 4 = Probe 4 5 = Probe 5 6 = Probe 6 7 = Probe 7	8 =Serial probe 8 9 =Serial probe 9 10 =Serial probe 10 11 =Serial probe 11 12 = Control probe 13 = Virtual probe 14 = Set point	12	12	12	12	12	12

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
/to	button/non-button terminal configuration		3	3	3	3	3	3
	Button terminal	**Non-button terminal**						
	0 Yes	yes						
	1 optional	yes						
	2 Yes	optional						
	3 optional	optional						
/P1	S1 ,S2 , S3 (Group 1) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
/P2	S4 ,S5 (Group2) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
/P3	S6 (Group3) probe type		4	4	4	4	4	4
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	4 = 0 to 5V ratiometric pressure transmitter							
/P4	S7, (Group4) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	4 = 0 to 5V ratiometric pressure transmitter							
	5 = 0 to 10 V input							
	6 = 4 to 20 mA input							
/P5	S8 den S11 e (Group5) serial problar probe type		0	0	0	0	0	0

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
/FA	Sm Blow probe connection point		1	1	1	1	1	1
	0 = Function inactive	6 = Probe S6						
	1 = Probe S1	7 = Probe S7						
	2 = Probe S2	8 = Serial probe S8						
	3 = Probe S3	9 = Serial probe S9						
	4 = Probe S4	10 = Serial probe S10						
	5 = Probe S5	11 = Serial probe S11						
/Fb	See Sd defrost probe connection point/FA parameter probe list		2	2	2	2	2	2
/Fc	See Sr Suction probe connetion point /FA parameter probe list		3	3	3	3	3	3
/Fd	See tGS superheat temperature sensor connection point /FA parameter probe list		4	4	4	4	4	4
/FE	See Peu/tEu superheat pressure transmitter connection point /FA parameter probe list		6	6	6	6	6	6
/FF	See Sd2 2. evaporator defrost probe connection point /FA parameter probe list		5	0	0	0	0	0
/FG	See Saux1 auxiliary temperature probe connection point /FA parameter probe list		0	0	0	0	0	0
/FH	See Saux2 auxiliary temperature probe connection point /FA parameter probe list		0	0	0	0	0	0
/FI	See SA ambient temperature probe connection point /FA parameter probe list		0	0	0	0	0	0
/FL	See SU ambient moisture probe connection point /FA parameter probe list		0	0	0	0	0	0
/FM	See Svt glass temperature probe connection point /FA parameter probe list		0	0	0	0	0	0
/Fn	See Sdp dewing point serial probe connection point		0	0	0	0	0	0
	0 = Function inactive	3 = Serial probe S10						
	1 = Serial probe S8	4 = Serial probe S11						
	2 = Serial probe S9							
/c1	Probe 1 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c2	Probe 2 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c3	Probe 3 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c4	Probe 4 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c5	Probe 5 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c6	Probe 6 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/c7	Probe 7 calibration. If pushed twice, shows the value read by the probe		0	0	0	0	0	0
/U6	Probe 6 maximum scale value		9.3	9.3	9.3	9.3	9.3	9.3
/L6	Probe 6 minimum scale value		-1	-1	-1	-1	-1	-1
/U7	Probe 7 maximum scale value		9.3	9.3	9.3	9.3	9.3	9.3
/L7	Probe 7 minimum scale value		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
CtL (Control)								
OFF	ON/OFF control unit on-off 0 = ON; 1 = OFF;		0	0	0	0	0	0
St	Set point		-20	-20	-20	-20	0	2
St2	Double thermostate control suction set value		50	50	50	50	50	50
rd	St set value difference		2	2	2	2	2	2
rd2	Double thermostate control suction set value difference 0.0 = Function inactive		0	0	0	0	0	0
r1	Allowed minimum set value		-24	-24	-24	-24	-4	-4
r2	Allowed maximum set value		-18	-18	-18	-18	4	4
r3	Defrost warning activation ending in time 0 = inactive, 1 = active		0	0	0	0	0	0
r4	Automatic night set point		0	0	0	0	0	0
r5	Will minimum and maximum temperatures be kept to which probe in the memory?		1	1	1	1	1	1
	0 = Monitoring inactive	6 = superheat temperature probe(tGS)						
	1 = Control probe (Sreg)	7 = saturated evaporation temperature probe (tEu)						
	2 = virtual probe (Sv)	8 = auxiliary defrost probe (Sd2)						
	3 = Blow probe (Sm)	9 = auxiliary probe (Saux)						
	4 = defrost probe (Sd)	10 = auxiliary probe 2 (Saux2)						
	5 = Suction probe (Sr)							
rt	Recorded min and max temperature monitoring time range		-	-	-	-	-	-
rH	Recorded max temperature		-	-	-	-	-	-
rL	Recorded min temperature		-	-	-	-	-	-
r6	Night Control probe 0 = virtual probe Sv; 1 = Suction probe Sr		0	0	0	0	0	0
ro	For Virtual Probe, probe error offset		0.0	0.0	0.0	0.0	0.0	0.0
r7	Master solenoid valve configuration 0 = local valve ;1 = network valve (connected to the Master)		0	0	0	0	0	0
rSu			0	0	0	0	0	0

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
CMP (compressor)								
c0	Compressor and fan starting time delay		0	0	0	0	0	0
c1	Minimum time between successive start		0	0	0	0	0	0
c2	Compressor minimum OFF Time		0	0	0	0	0	0
c3	Compressor minimum ON Time		0	0	0	0	0	0
c4	Control probe error duty time. Compressor and solenoid outlet works for the time stated there holds for 15 minutes and works again. 0 = Compressor/valve always OFF; 100 = compressor/valve always ON		0	0	0	0	0	0
cc	Continuous cycle time		1	1	1	1	1	1
c6	Post-continuous cycle alarm by-pass		60	60	60	60	60	60
c7	Maximum pump down time		0	0	0	0	0	0
Def (defrost)								
d0	Defrost type 0 =temperature-based heater 1 = temperature-based hot gas 2 = temperature-based heater 3 = time-based hot gas	4 =time and temperature-based heater defrost 5 =temperature-based heater multiplied hotgas bypass 6 =time-based heater multiplied hotgas bypass	4	0	0	0	0	0
d2	Defrost-end synchronization by Master 0 = unsynchronous; 1 = synchronous		1	1	1	1	1	1
dI	Time between defrosts		8	8	6	6	6	6
dt1	Defrost-end temperature, Evaporator Sd1		10	10	12	12	10	10
dt2	Defrost-end temperature,AUX Evaporator Sd2		10	10	12	12	10	10
dP1	Maximum Defrost time		35	35	40	45	45	45
dP2	Maximum Defrost time, AUX 2. Evaporator		35	35	40	45	45	45
d4	Initially defrost 0 = No initial defrost ; 1 = inital defrost (Master = network defrost; Slave = local defrost)		0	0	0	0	0	0
d5	Defrost time delay at the beginning if d4=1 0 = delay inactive		0	0	0	0	0	0
d6	Terminal indicator status during defrost 0 = Real temperature value and "dEF" flashes 1 = pre-defrost last temperature remains on the screen 2 = 'dEF' is viewed		2	2	2	2	2	2
dd	Post-Defrost drip time 0= No drip		2	2	2	2	2	2

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
d7	defrost by-pass 0 = inactive ; 1 = active;		0	0	0	0	0	0
d8	Alarm delay following defrost and door opening		30	30	30	30	30	30
d9	Status of compressor protection times in hotgas bypass 0 = protection times are followed ; 1 = protection times are ignored		1	1	1	1	1	1
Sd1	Defrost Probe value		-	-	-	-	-	-
Sd2	Second Evaporator defrost probe value		-	-	-	-	-	-
dC	Defrost time basis 0 = dl hour,dP1,dP2 and ddP minute; 1 = dl minute,Dp2 and ddP second		0	0	0	0	0	0
d10	Time for defrost based on lamel temperature 0 = Function inactive		0	0	0	0	0	0
d11	Temperature-based defrost activation temperature threshold		-30	-30	-30	-30	-30	-30
d12	During Defrost, pressure transmitter alarm status		0	0	0	0	0	0
	probe failure	**failure in supervisor**						
	0 inactive	active						
	1 active	active						
	2 inactive	inactive						
	3 active	inactive						
dS1	Compressor stop time for successive defrost (when stops for this time, defrost ends, 0 = Function inactive		0	0	0	0	0	0
dS2	Compressor operation time for successive defrost (defrost starts when the		120	120	120	120	120	120
ddt	Defrost end temperature offset for Power defrost		0.0	0.0	0.0	0.0	0.0	0.0
ddp	Defrost time offset for Power defrost		0	0	0	0	0	0
dn	Nominal Defrost bypass time rate		75	75	75	75	75	75
d1S	daily defrost based on td1 time zone		0	0	0	0	0	0
	0 = inactive	8 = 3 hours 0 minute						
	1 = 24 hours 0 minute	9 = 2 hours 40 minutes						
	2 = 12 hours 0 minute	10 = 2 hours 24 minutes						
	3 = 8 hours 0 minute	11 = 2 hours 11 minutes						
	4 = 6 hours 0 minute	12 = 2 hours 0 minute						
	5 = 4 hours 48 minutes	13 = 1 hour 0 minute						
	6 = 4 hours 0 minute	14 = 30 minutes						
	7 = 3 hours 26 minutes							

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
d2S	see d1S parameter for td1 time zone daily defrosts		0	0	0	0	0	0
dH1	Pumpdown time 0= pump down inactive		0	0	0	0	0	0
dHG	Multiplied hot gas bypass type 0 = Compensator valve is OFF usually 1 = Compensator valve is ON usually		0	0	0	0	0	0
ALM (Alarm)								
AA	Determination of temperature probe for AH and AL alarms		1	1	1	1	1	1
	1 = control (sreg)	8 = auxiliary defrost probe (Sd2)						
	2 = virtual (Sv)	9 = auxiliary probe (Saux)						
	3 = blow (Sm)	10 = auxiliary probe 2 (Saux2)						
	4 = defrost (Sd)	11 = ortam sıcaklığı (SA)						
	5 = suction (Sr)	12 = ortam nemi (SU)						
	6 = superheat temperature probe(tGS)	13 = cam sıcaklıklığı (Syt)						
	7 =SH pressure transmitter temperature equivalence (tEu)	14 = çiğlenme noktası (SdP)						
AA2	Determination of temperature probe for AH2 and AL2 alarms control AA parameter		5	5	5	5	5	5
A0	Low and high temperature alarm difference		2.0	2.0	2.0	2.0	2.0	2.0
A1	Threshold type for AL and AH 1. Alarm delays 0 = relative AL and AH set value 1 = absolute AL and AH absolute values		0	0	0	0	0	0
A2	Threshold type for AL2 and AH2 2. Alarm delays 0 = relative AL and AH set value 1 = absolute AL and AH finite values		0	0	0	0	0	0
AL	Low temperature 1. alarm threshold		4	4	4	4	4	4
AH	High temperature 1. alarm threshold		5	5	5	5	5	5
AL2	Low temperature 2. alarm threshold		0	0	0	0	0	0
AH2	High Temperature 2. alarm threshold		0	0	0	0	0	0
Ad	Low and high temperature alarm alarm delay		15	15	15	15	15	15
A4	ID1 digital input configuration in S4 input		0	0	0	0	0	0
	0 = input is not active	5 = kapı switci konfigürasyonu kompresör ve fanlar OFF						
	1 = momentary external alarm	6 = uzaktan ON/OFF						
	2 = delayed external alarm	7 = perde switchi						
	3 = defrost activation	8 = sürekli çevrim başlama / durma						
	4 = defrost starting	9 = ışık sensörü						

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
A5	ID2 digital input configuration in S5 input, see the list in A4 parameter		0	0	0	0	0	0
A6	In the event of external alarm, solenoid/compressor working times. Compressor and solenoid work for this time, stop for 15 minutes and work againn. 0 = Compressor/valve always OFF; 100 = compressor/valve always ON		0	0	0	0	0	0
A7	Time delay for delayed external alarm		0	0	0	0	0	0
A8	Virtual digital input configuration see the list in A4 parameter		0	0	0	0	0	0
A09	Digital input selection transferred from master to slave		0	0	0	0	0	0
	0 = supervisor	3 = D13						
	1 = D11	4 = D14						
	2 = D12	5 = D15						
A10	ID3 digital input configuration in S6 input see the list in A4 parameter		0	0	0	0	0	0
A11	Id4 digital input configuration in S7 input, see the list in A4 parameter		0	0	0	0	0	0
A12	Digital input configuration in DI5 input, see the list in A4 parameter		0	0	0	0	0	0
Ar	Is alarm signal in slaves shown in master? 0 = no ; 1 = yes		1	1	1	1	1	1
A13	When slaves are offline, hotgas bypass procedure 0 = inactive 1 = active		0	0	0	0	0	0
Fan (Evaporator fans)								
F0	Evaporator fan management 0 = always ON 1 = Fan activation Sd defrost - Sv virtual (or Sd defrost - Sm blow double thermostat control) 2 =Activation Sd defrost probe		0	0	0	0	0	0
F1	Fan activation threshold (only F0=1 and 2)		-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
F2	Will fans stop when the compressor stops? 0 =Fans work 1 = Fans stop		0	0	0	0	0	0
F3	Status of fans during defrost 0 = Fans work in Defrost 1 = fans stop		0	0	1	1	0	0
Fd	Post-defrost drip fan waiting time		2	2	2	2	2	2
Frd	Fan activation difference (including variable speed fans)		2.0	2.0	2.0	2.0	2.0	2.0
F5	Evaporator fan stop threshold (difference 1C)		50.0	50.0	50.0	50.0	50.0	50.0
F6	Maximum Evaporator fan speed		100	100	100	100	100	100

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
F7	Minimum Evaporator fan speed	0	0	0	0	0	0
F8	Evaporator fan peak time 0 = Function inactive	0	0	0	0	0	0
F9	PWM1/' fan control output selection (by phase-break) 0 = pulse 1 = time-dependant	1	1	1	1	1	1
F10	Time of working of evaporator fans at maximum speed 0 = Function inactive	0	0	0	0	0	0
Eud (Electronic valve)							
P1	Electronic valve 0 = not used 1 = PWM valve 2 = CAREL E2V valve	2	2	2	2	2	2
P3	Superheat Set point	10.0	10.0	10.0	10.0	10.0	10.0
P4	Proportional rate	15.0	15.0	15.0	15.0	15.0	15.0
P5	Integration rate (Integral factor) 0 = Function inactive	150	150	150	150	150	150
P6	Derivative rate 0 = Function inactive	5.0	5.0	5.0	5.0	5.0	5.0
P7	LowSH: low superheat threshold	7.0	7.0	7.0	7.0	7.0	7.0
P8	LowSH: low superheat integral time 0 = Function inactive	15.0	15.0	15.0	15.0	15.0	15.0
P9	LowSH: düşük superheat alarm gecikmesi 0 = alarm inactive	600	600	600	600	600	600
P10	Will solenoid valve be OFF in the event of low superheat or low suction temperature? 1 = OFF is active	0	0	0	0	0	0
P11	LSA: low evaporation temperature alarm	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0
P12	LSA: alarm delay 0 = alarm inactive	600	600	600	600	600	600
P13	LSA: alarm difference (C) 0 = reset the alarm all the time automatically	10.0	10.0	10.0	10.0	10.0	10.0
P14	('blo') alarm signal activation 1= blo alarm is active	1	1	1	1	1	1
P15	Complementary temperature acceptance value in the event of Superheat pressure	-30	-30	-30	-12	-12	-12

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
PH	Gas type		3	3	3	3	3	3
	1 = R22	8 = R600						
	2 = R134a	9 = R600a						
	3 = R404A	10 = R717						
	4 = R407C	11 = R744						
	5 = R410A	12 = R728						
	6 = R507A	13 = R1270						
	7 = R290	14 = R417A						
OSH	Superheat offset for modulation thermostate 0 = Function inactive		0.0	0.0	0.0	0.0	0.0	0.0
Phr	Fast updating of valve parameters by the supervisor 0 = fast update is inactive		0	0	0	0	0	0
PM1	MOP: Maximum evaporation pressure temperature value		50.0	50.0	50.0	50.0	50.0	50.0
PM2	MOP: Integral time		10.0	10.0	10.0	10.0	10.0	10.0
PM3	MOP: alarm delay 0 = Function is inactive		0	0	0	0	0	0
PM4	MOP: MOP function delay at the beginning		2	2	2	2	2	2
PM5	MOP: activating solenoid valve shutting 0 = OFF is inactive 1 = OFF is active		0	0	0	0	0	0
PL1	LOP: Minimum evaporation pressure temperature value		-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
PL2	LOP: Integral time		0.0	0.0	0.0	0.0	0.0	0.0
PL3	LOP: alarm delay 0 = Functionis inactive		0	0	0	0	0	0
SH	Superheat value		-	-	-	-	-	-
PPU	valve ON rate		-	-	-	-	-	-
tGS	Superheat temperature sensor reading value		-	-	-	-	-	-
tEu	Superheat pressure sensor temperature value (value of the pressure equivalent to the temperature)		-	-	-	-	-	-
/cE	Saturated evaporation temperature calibration		0.0	0.0	0.0	0.0	0.0	0.0
Po6	PWM expansion valve T on/OFF period		6	6	6	6	6	6
cP1	Valve position when the control is ON		30	30	30	30	30	30
Pdd	Post-Defrost valve position		10	10	10	10	10	10
PSb	valve standby position		0	0	0	0	0	0
PF	valve opening stages		-	-	-	-	-	-

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
PMP	Electronic expansion valve manual operation activation 0 = inactive 1 = active		0	0	0	0	0	0
PMu	Manual valve position		-	-	-	-	-	-
Phc	Large capacity valve activation		0	0	0	0	0	0
Cnf (Configuration)								
In	MPXPRO Unit type 0 = Slave 1 = Master		1	1	1	1	1	1
Sn	Number of slave in local network 0 = No Slave		0	0	0	0	0	0
H0	Supervisor and Master-Slave network adrdess		199	199	199	199	199	199
H1	AUX1 output configuration		8	8	8	8	8	8
	0 = no function	7 = second Evaporator defrost output						
	1 = alarm without energy normally	8 = Evaporator Fan output						
	2 = energy alarm normally	9 = Glass heater output						
	3 = auxiliary output	10 = Suction valve						
	4 = auxiliary output shared by Master with slaves	11 = Compensation valve						
	5 = Light output	12 = Solenoid valve						
	6 = auxiliary output shared by Master with slaves							
H2	Button set and remote control deactivation 1 = Button set and remote control is active		1	1	1	1	1	1
H3	Remote control activation code 0 =no remote control activation code		0	0	0	0	0	0
H4	Buzzer activation 0 = active; 1 = inactive		0	0	0	0	0	0
H5	Please see AUX2 output configuration H1 parameter		7	2	2	2	2	2
H6	Terminal button set locking configuration		0	0	0	0	0	0
H7	Please see AUX3 output configuration H1 parameter		5	5	5	5	5	5
H8	Output association with time bands 0 = Light 1 = AUX		0	0	0	0	0	0

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
H9	Output association with AUX button 0 = Light 1 = AUX	0	0	0	0	0	0
H10	Compressor output configuration 0 = Cooling 1 = heating	0	0	0	0	0	0
H11	Fan output configuration 0 = Cooling 1 = Heating	0	0	0	0	0	0
H12	Light sensor threshold	25	25	25	25	25	25
H13	Please see AUX4 output configuration H1 parameter	12	12	12	12	12	12
Hdn	default set parameters number	0	0	0	0	0	0
Htc	External time card insertion 0 = not inserted	0	0	0	0	0	0
rHu	Manual glass heater activation rate (rHt period) 0 = Function is inactive	70	70	70	70	70	70
rHt	Manual glass heater activation period 0 = Function is inactive	5	5	5	5	5	5
rHo	Glass heater modulation offset	2.0	2.0	2.0	2.0	2.0	2.0
rHd	Glass heater modulation difference	0.0	0.0	0.0	0.0	0.0	0.0
rHL	PWM output load type for glass heater modulation 0 = resistant 1 = inductive	0	0	0	0	0	0
rHA	Factor A for calculated glass temperature	2	2	2	2	2	2
rHb	Factor B for calculated glass temperature	22	22	22	22	22	22
HSt (Alarm log)							
HSO to 9	0 dan 9'a alarmlar (sete basın)	-	-	-	-	-	-
---	0 dan 9'a alarm kodu	-	-	-	-	-	-
h_	0 dan 9'a alarm houri	0	0	0	0	0	0
n_	0 dan 9'a alarm minutesı	0	0	0	0	0	0
---	0 dan 9'a alarm süresi	0	0	0	0	0	0
HcP (HACCP alarms)							
Ht0	HACCP alarm	0	0	0	0	0	0
HAn	HA alarm type number	0	0	0	0	0	0

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
HA to HA2	HA type active HACCP alarm number	-	-	-	-	-	-
y_	From 1 to 3 alarm-Year	0	0	0	0	0	0
M_	From 1 to 3 alarm - month	0	0	0	0	0	0
d_	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
h_	From 1 to 3 alarm - hour	0	0	0	0	0	0
n_	From 1 to 3 alarm - minute	0	0	0	0	0	0
...	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
HFn	HF alarm type number	0	0	0	0	0	0
HF to HF2	HF type active HACCP alarm number	-	-	-	-	-	-
y_	From 1 to 3 alarm - Year	0	0	0	0	0	0
M_	From 1 to 3 alarm -month	0	0	0	0	0	0
d_	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
h_	From 1 to 3 alarm - hour	0	0	0	0	0	0
n_	From 1 to 3 alarm - minute	0	0	0	0	0	0
_	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
Htd	HACCP alarm delay 0 = alarm viewing deactivated	0	0	0	0	0	0
rtc (Real Time Clock)							
td1 to 8	Defrost time from 1 to 8 (press Set)	-	-	-	-	-	-
d_	From 1 to 8 defrost day selection 0 = no defrost 1 to 7 = days one by one from Monday to Sunday 8 = every day from Monday to Friday	0	0	0	0	0	0
	9 = everyday from Monday to Saturday						
	10 = only Saturday Sunday						
	11 = everyday						
h_	Defrost hour	0	0	0	0	0	0
n_	Defrost minute	0	0	0	0	0	0
P_	Power defrost selection 0 = Normal defrost; 1 =Power defrost	0	0	0	0	0	0
tS1 to 8	Time band starting from 1 to 8 (press Set)	-	-	-	-	-	-
d	Time band starting: day	0	0	0	0	0	0
h	Time band starting: hour	0	0	0	0	0	0
n	Time band starting: minute	0	0	0	0	0	0
tE1 to 8	Time band end from 1 to 8 (press Set)	-	-	-	-	-	-

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
d	Time band end: day	0	0	0	0	0	0
h	Time band end: hour	0	0	0	0	0	0
n	Time band end: minute	0	0	0	0	0	0
tc	Real date/hour (press Set)	-	-	-	-	-	-
y_	Date/hour: year	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
M_	Date/hour: month	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
d_	Date/hour: which day of the month	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
u_	Date/hour: which day of the week	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
h_	Date/hour: hour	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
n_	Date/hour: minute	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
Normal operation							
- - -	Temperature (setpoint)	-26	-20	-20	-20	0	2
Thermostat							
r01	Differential	2	2	2	2	2	2
r02	Max. limitation of setpoint setting	-22	-18	-18	-18	-4	-4
r03	Min. limitation of setpoint setting	-29	-23	-23	-23	4	4
r04	Adjustment of temperature indication	0	0	0	0	0	0
r05	Temperature unit (°C/°F)	0	0	0	0	0	0
r09	Correction of the signal from S4	0	0	0	0	0	0
r10	Correction of the signal from S3	0	0	0	0	0	0
r12	Manual service, stop regulation, start regulation (-1, 0, 1)	1	1	1	1	1	1
r13	Displacement of reference during night operation	0	0	0	0	0	0
r14	Define thermostat function 1=ON/OFF 2=Modulating	1	1	1	1	1	1
r15	Definition and weighting, if applicable, of thermostat sen- sors - S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
r16	Time between melt periods	0	0	0	0	0	0
r17	Duration of melt periods	0	0	0	0	0	0
r21	Temperature setting for thermostat band 2 . As differential use r01	-26	-20	-20	-22	0	0
r59	Correction of the signal from S6	0	0	0	0	0	0
r61	Definition and weighting, if applicable, of thermostat sen- sors when night cover is on. (100%=S4, 0%=S3)	100	0	0	0	50	50
r62	Heat function Neutral zone between refrigeration and heat function	2	2	2	2	2	2
r63	Time delay at switch between refrigeration and heat function	0	0	0	0	0	0
Alarms							
A03	Delay for temperature alarm	15	15	15	15	20	20
A04	Delay for door alarm	0	0	0	0	0	0
A12	Delay for temperature alarm after defrost	60	60	60	60	60	60
A13	High alarm limit for thermostat 1	-18	-15	-15	-15	4	6
A14	Low alarm limit for thermostat 1	-30	-26	-26	-26	-6	-6
A20	High alarm limit for thermostat 2	-18	-15	-15	-15	4	6
A21	Low alarm limit for thermostat 2	-30	-26	-26	-26	-6	-6
A22	High alarm limit for sensor S6 at thermostat 1	8	8	8	8	8	8
A23	Low alarm limit for sensor S6 at thermostat 1	-30	-30	-30	-30	-30	-30
A24	High alarm limit for sensor S6 at thermostat 2	8	8	8	8	8	8
A25	Low alarm limit for sensor S6 at thermostat 2	-30	-30	-30	-30	-30	-30

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
A26	S6 alarm time delay With setting = 240 the S6 alarm will be omitted	240	240	240	240	240	240
A27	Alarm time delay or signal on the DI1 input	30	30	30	30	30	30
A28	Alarm time delay or signal on the DI2 input	30	30	30	30	30	30
A36	Signal for alarm thermostat. S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
A52	Delay for S6 (product sensor alarm) after defrost	90	90	90	90	90	90
Compressor							
c01	Min. ON-time	0	0	0	0	0	0
c02	Min. OFF-time	0	0	0	0	0	0
c05	Time delay for cutin of comp.2	5	5	5	5	5	5
Defrost							
d01	Defrost method 0=off 1= EL 2= gAs	1	1	1	1	1	1
d02	Defrost stop temperature	10	10	12	12	10	10
d03	Interval between defrost starts	8	8	6	6	6	6
d04	Max. defrost duration	35	35	35	35	45	45
d05	Displacement of time on cutin of defrost at start-up	0	0	0	0	0	0
d06	Drip off time	2	2	2	2	3	3
d07	Delay for fan start after defrost	2	2	2	2	0	0
d08	Fan start temperature	-5	-5	-5	-5	-5	-5
d09	Fan cutin during defrost 0: Stopped 1: Running 2: Running during pump down and defrost	1	1	0	0	1	1
d10	Defrost sensor 0 =Stop on time 1=S5 2=S4 3=Sx (Application 1-8 and 10: both S5 and S6. Application 9: S5 and S5B)	3	1	1	1	1	1
d16	Pump down delay	0	0	0	0	0	0
d17	Drain delay (used at hot gas defrost only)	0	0	0	0	0	0
d18	Max. aggregate refrigeration time between two defrosts	0	0	0	0	0	0
d20	Heat in drip tray. Time from defrosting stops to heating in the drip tray is switched off	30	30	30	30	30	30

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
d21	Adaptive defrost: 0=not active, 1=monitoring only 2=skip allowed day 3=skip allowed both day and night 4=own assessment + all schedules	0	0	0	0	0	0
d23	Time delay before opening of hot gas valve	0	0	0	0	0	0
d27	Rail heat during defrost 0=off 1=on 2=Pulsating	2	2	2	2	2	2
d40	Max. duration of -d- in display	30	30	30	30	30	30
Injection control function							
n09	Max. value of superheat reference	12	12	12	12	12	12
n10	Min. value of superheat reference	3	3	3	3	3	3
n11	MOP temperature. Off if MOP temp. = 15.0 °C	15	15	15	15	15	15
n13	Period time of AKV pulsation Only for trained personnel	6	6	6	6	6	6
Fan							
F04	Fan stop temperature (S5)	50	50	50	50	50	50
F05	Pulse operation on fans: 0=No pulse operation 1=At thermostat cuts out only 2= Only at thermostat cut outs during night operation	0	0	0	0	0	0
F06	Period time for fan pulsation (on-time + off-time)	5	5	5	5	5	5
F07	On-time in % of period time	100	100	100	100	100	100
Real time clock							
t01-t06	Six start times for defrost. Setting of hours. 0=OFF	0	0	0	0	0	0
t11-t16	Six start times for defrost. Setting of minutes. 0=OFF	0	0	0	0	0	0
t07	Clock - Setting of hours	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
t08	Clock - Setting of minute	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME

DANFOSS PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
t45	Clock - Setting of date		REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
t46	Clock - Setting of month		REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
t47	Clock - Setting of year		REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME
Miscellaneous								
o01	Delay of output signals after start-up		5	5	5	5	5	5
o02	Input signal on DI1. Function:		0	0	0	0	0	0
	0=not used	7=thermostat band changeover (activate r21)						
	1=status on DI1	8=alarm function when closed						
	2=door function with alarm when open	9=alarm function when open						
	3=door alarm when open	10=Appliance cleaning (pulse signal)						
	4=defrost start (pulse-signal)	11=forced cooling at hot gas defrost						
	5=ext.main switch	12=night cover						
	6=night operation	15=case shut down						
o03	Network address		0	0	0	0	0	0
o04	On/Off switch (Service Pin message) IMPORTANT! o61 **must** be set prior to o04 (used at LON 485 and DANBUSS only)		Off	Off	Off	Off	Off	Off
o05	Access code 1 (all settings)		0	0	0	0	0	0
o06	Used sensor type		0	0	0	0	0	0
	0=Pt1000							
	1=Ptc1000,							
o08	Readout of software version		**	**	**	**	**	**
o16	Max hold time after coordinated defrost		20	20	20	20	20	20
o17	Select signal for display view. S4% (100%=S4, 0%=S3)		100	0	0	0	50	50
o20	Pressure transmitter working range – min. value		-1	-1	-1	-1	-1	-1
o21	Pressure transmitter working range – max. value		12	12	12	12	12	12

DANFOSS PARAMETERS				ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
o30	Refrigerant setting:			19	19	19	19	19	19
	1=R12	15=R227	29=R1270						
	2=R22	16=R401A	30=R417A						
	3=R134a	17=R507	31=R422A						
	4=R502	18=R402A	32=R413A						
	5=R717	19=R404A	33=R422D						
	6=R13	20=R407C	34=R427A						
	7=R13b1	21=R407A	35=R438A						
	8=R23	22=R407	36=R513A						
	9=R500	23=R410A	37=R407F						
	10=R503	24=R170	38=R1234ze						
	11=R11	25=R290	39=R1234yf						
	12=R142b	26=R600	40=R448A						
	13=User defined	27=R600a	41=R449A						
	14=R32	28=R744	42=R452A						
o30	Refrigerant setting:			19	19	19	19	19	19
o37	Input signal on DI2. Function:			0	0	0	0	0	0
	(0=not used.	5=ext. main switch	10=Appliance cleaning (pulse signal).						
	1=status on DI2.	6=night operation	11=forced cooling at hot gas defrost.).						
	2=door function with alarm when open.	7=thermostat band changeover (activate r21).	12=night cover,						
	3=door alarm when open.	8=alarm function when closed.	13=coordinated defrost).						
	4=defrost start (pulse-signal).	9=alarm function when open.	15=case shut down						
o38	Configuration of light function:			1	1	1	1	1	1
	1=Light follows day /night operation,								
	2=Light control via data communication via 'o39',								
	3=Light control with a DI-input,								
	4=As "2", but light switch on and night cover will open if the network cut out for more than 15 minutes.								
o39	Activation of light relay (only if o38=2) On=light			Off	Off	Off	Off	Off	Off
o41	Rail heat On time during day operations			100	100	100	100	100	100
o42	Rail heat On time during night operations			100	100	100	100	100	100
o43	Rail heat period time (On time + Off time)			10	10	10	10	10	10
o46	Appliance cleaning.			0	0	0	0	0	0
	0=no Appliance cleaning.								
	1=Fans only.								
	2=All output Off.								
o61	Selection of EL diagram. See overview page 12 and 13			9	1	4	4	1	1
o62	Download a set of predetermined settings. See overview page 27.			0	0	0	0	0	0

DANFOSS PARAMETERS				ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
o64	Access code 2 (partial access)			0	0	0	0	0	0
o67	Replace the controllers factory settings with the present settings			Off	Off	Off	Off	Off	Off
o84	Input signal on DI3. Function: (high voltage input)			0	0	0	0	0	0
	(0=not used.	6=night operation,	12=night cover.						
	1=status on DI2.	7=thermostat band changeover (activate r21)	13=Not used.						
	2=door function with alarm when open.	8=Not used.	14=Refrigeration stopped (forced closing)).						
	3=door alarm when open	9=Not used.	15=case shut down						
	4=defrost start (pulse-signal).	10=Appliance cleaning (pulse signal).							
	5=ext. main switch	11=forced cooling at hot gas defrost,							
o85	Rail heat control			0	0	0	0	0	0
	0=not used,								
	1=pulse control with timer function (o41 and o42),								
	2=pulse control with dew point function								
o86	Dew point value where the rail heat is minimum			8	8	8	8	8	8
o87	Dew point value where the rail heat is 100% on			17	17	17	17	17	17
o88	Lowest permitted rail heat effect in %			30	30	30	30	30	30
o89	Time delay from "open door" refrigeration is started			30	30	30	30	30	30
o90	Fan operation at stopped cooling (forced closing): 0= Stopped (defrost allowed)			1	1	1	1	1	1
	1= Running (defrost allowed)								
	2= Stopped (defrost not allowed)								
	3= Running (defrost not allowed)								
o92	1=defrost stop temperature,			1	1	1	1	1	1
	2=S6 temperature,								
	3=S5_B temperature (application 9), 4=S3B (application 10)								
o97	Display of temperature			1	1	1	1	1	1
	1= u56 Air temperature								
	2= u36 product temperature								
o98	Light and night blinds defined			0	0	0	0	0	0
	0: Light is switch off and night blind is open when the main switch is off								
	1: Light and night blind is independent of main switch								

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
P41	Configuration of alarm relay The alarm relay will be activated upon an alarm signal from the following groups: 1 - High temperature alarms 2 - Low temperature alarms 4 - Sensor error 8 - Digital input enabled for alarm 16 - Defrosting alarms 32 - Miscellaneous 64 - Injection alarms The groups that are to activate the alarm relay must be set by using a numerical value which is the sum of the groups that must be activated. (E.g.: a value of 5 will activate all high temperature alarms and all sensor error and 0 will cancel the relay function).	1	1	1	1	1	1