

SERVICE MANUAL

HOT DELI Two Tier 3/4/5/7 MERCHANDISERS

MODELS

Square full service standard
Square full service on underframe



HDTT 4 Square TC

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

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Versions		
Version	Issue date dd/mm/yy	Remarks
10/2016	01/10/2016	First release
06/2018	01/06/2018	Update flap doors

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GENERAL TECHNICAL DATA

This manual covers the Hot Deli Merchandisers in the model Two Tier square. The Merchandisers are available in 4 sizes to build-in into an existing counter. Merchandisers will also be delivered on an underframe.

The Merchandisers come in one version and that is in full service.

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA

Type	HD 3	HD 4	HD 5	HD 7
Power (W)	4000	4300	4600	8300
Fuses needed with power connection 400V, 3N~50...60Hz (3 phases with zero)	3x 16 A	3x 16 A	3x 16 A	3x 16 A
Fuses needed with power connection 230V, 3~50...60Hz (3 phases without zero)	3x 16 A	3x 16 A	3x 16 A	3x 20 A
Fuses needed with power connection 230V, 1N~50...60Hz (1 phase with zero)	32 A	32 A	32 A	50 A
Standard plug from factory CEE-form 5-pole	16 A	16 A	16 A	16 A
Net weight (kg)				
Gross weight (kg)				
Height (mm)				
Width (mm)				
Depth (mm)				

Tools

- Standard set of tools.
- Metric wrenches, sockets and hex socket key wrenches.
- Multi meter and AC current clamp meter.
- Temperature tester.
- Insulation value tester (Megger).
- Field Service Grounding Kit.

PROGRAMMING INSTRUCTIONS

DISPLAY

Switch on/off

1. Switch on/off the Merchandiser with the main switch on the backside.

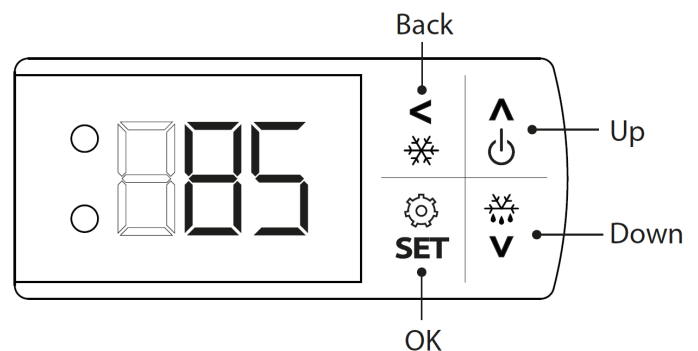


Check set temperature

The temperature in the warmer is shown on the display during use.

1. Press SET key.

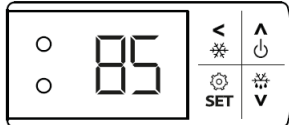
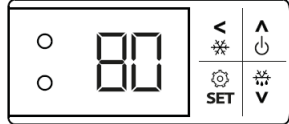
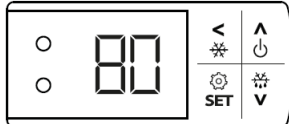
The set temperature will be shown on the display. The measured temperature in the warmer will again be shown after 10 seconds.



Adjusting Danfoss ERC211 thermostat

Changing temperature setpoint

Example screens

1. Press  to access setpoint mode	
2. Change value with  or 	
3. Press  to confirm	
When no key is pressed after last confirmation, the system goes back to normal operation after 10 seconds	

REMOVAL AND REPLACEMENT OF PARTS

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

PANELS BACK SIDE



1. Open the middle door with the special key.
2. Loosen the bolt of the next (adjacent) panel.
3. Turn the panel open.
4. Reverse the procedure to install.



Note: The panels can be lifted out from the hinges. First lift out the hinge on the middle panel.

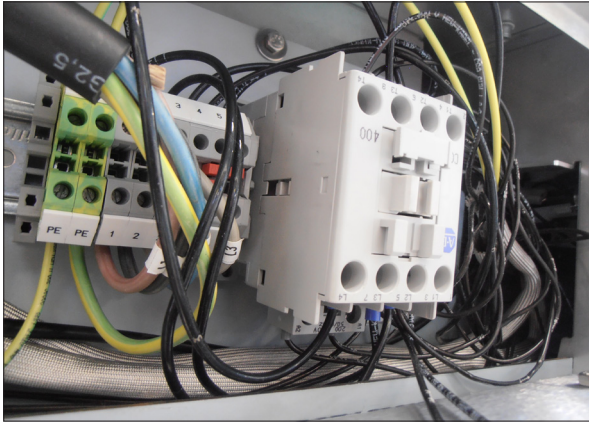
FUSE AND FUSE HOLDER



1. Open the middle door with the special key.
2. Remove the screws that secure the cover plate and turn cover plate towards yourself.
3. Remove the 2 bolts that secure the mounting plate and remove this plate.
4. Disconnect the wiring from the fuse housing.
5. Remove the flat nut that secures the housing of the fuse and remove the housing.
6. Reverse the procedure to install.

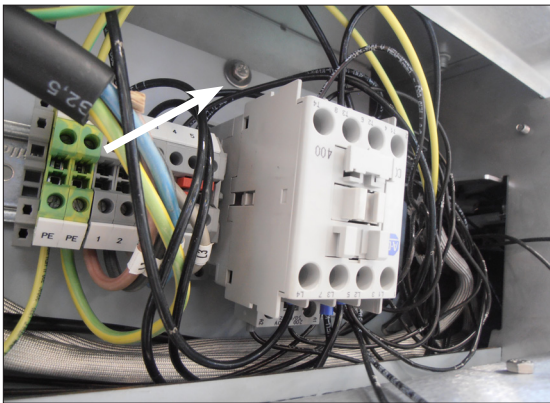
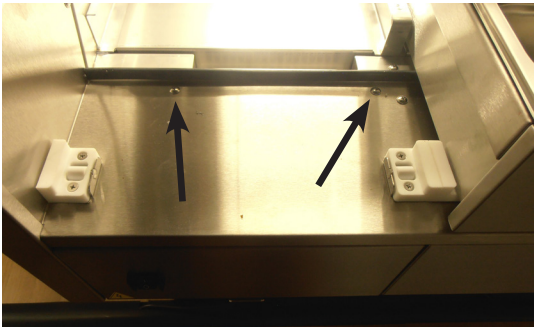


CONTACTOR



1. Open the left side panel according prior procedure.
2. Disconnect the lead wires to the contactor.
3. Push the locking tab down with a screwdriver and lift out to remove the contactor from the mounting bracket.
4. Reverse the procedure to install.

BLOWER, LEFT AND RIGHT HAND SIDE



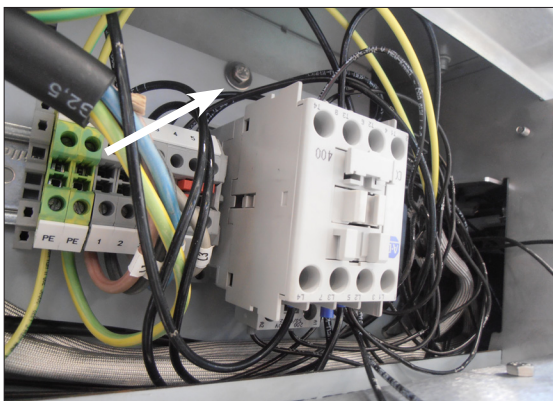
1. Open the left side panel according prior procedure.
2. Take out the left side drawer.
3. Remove the 2 bolts that secure the suction funnel.
4. Remove the bolt that secures the electric panel and remove this panel.
5. Loosen the wiring of the blower.
6. Remove the bolts that secure the mounting bracket on the blower.
7. Remove the blower by sliding this towards yourself.
8. Reverse the procedure to install.

Note : For the blower on the right hand side skip step 4.

Note 2: The blower housing is connected to the mounting plate by means of 2 pop rivets of 4 mm (part nr. 4312352).



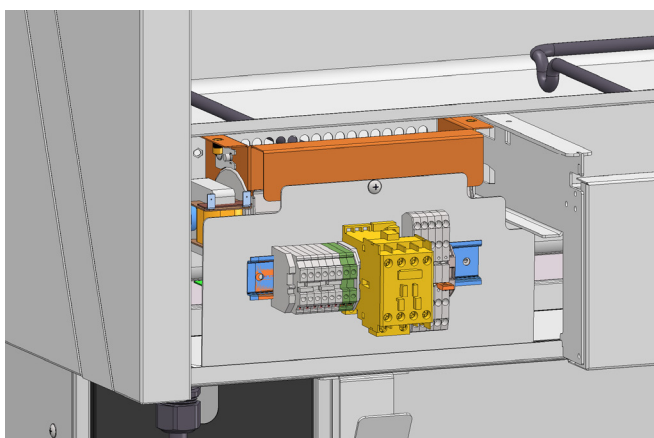
HEATING ELEMENT, LEFT AND RIGHT HAND SIDE



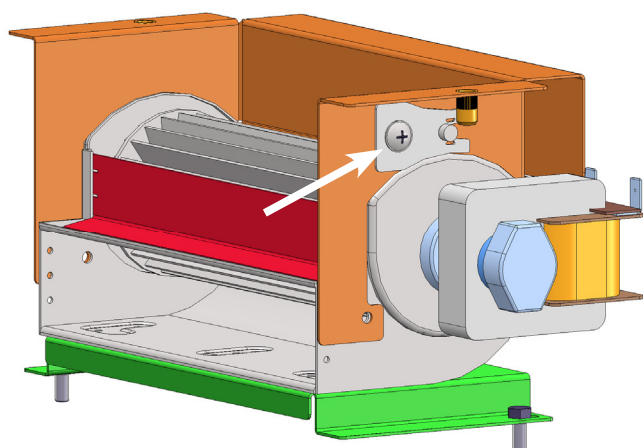
1. Open the left side panel according prior procedure.
2. Remove the bolt that secures the electric panel and remove this panel.
3. Disconnect the wiring from the element.
4. Remove the drawer and cover plate out of the cabinet.
5. Remove the 2 nuts and rings that secure the element and remove the element.
6. Reverse the procedure to install.

Note: For the heating element on the right hand side skip step 2.

SENSOR DANFOSS THERMOSTAT



1. Remove the left side panel and the cover plate according prior procedure.
2. Remove the screw that secures the sensor and remove the sensor.
3. Remove the 2 bolts that secure the thermostat plate and turn this plate towards yourself.
4. Disconnect the sensor wiring on the thermostat.
5. Reverse the procedure to install.



THERMOSTAT DANFOSS ERC 211



1. Open the middle door with the special key.
2. Remove the 2 bolts that secure the thermostat plate and turn this plate towards yourself.
3. Loosen the blocking clips on the sides of the thermostat and remove the thermostat.
4. Disconnect the wiring.
5. Reverse the procedure to install.

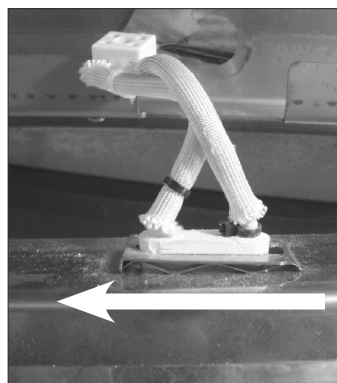
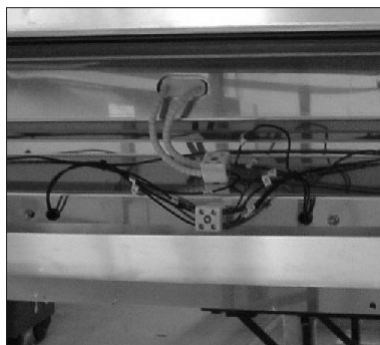
Note: Set all parameters in the new thermostat.



CERAMIC ELEMENT



1. Remove the socket head screws that secure the reflector and turn the reflector downwards.
2. Remove the wiring from all elements.
3. Remove the socket head screws and nuts that secure the mounting plate of the elements and lower this plate.
4. Remove the ceramic element from the plate by sliding off the clip.
5. Reverse the procedure to install.



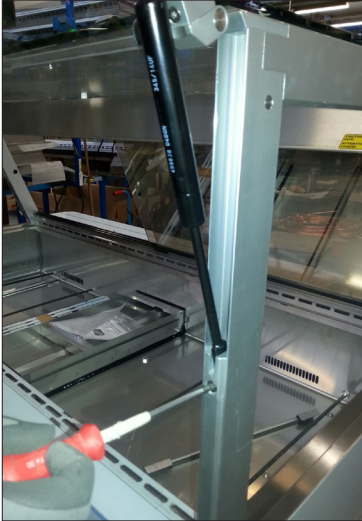
GAS SPRING SQUARE MODEL



1. Turn the front glass to the top position.
2. Remove the screw on the bottom side of the gas spring.
3. Remove the pin out of the gas spring. Be aware of supporting the glass.
4. Loosen the adjusting screw on the top side of the gas spring.
5. Remove the pin out of the gas spring.
6. Remove the gas spring.
7. Reverse the procedure to install.



FRONT GLASS DOOR SQUARE MODEL



1. Turn the front glass to the top position.
2. Remove the screw on the bottom side of the gas spring.
3. Remove the pin out of the gas spring. Be aware of supporting the glass.
4. Remove the 2 screws on the top side and remove the gas spring.
5. Also remove the gas spring on the other side.
6. Take out the front glass and place this on a table.
7. Loosen the screws that secure the front glass and remove the glass.
8. Reverse the procedure to install.

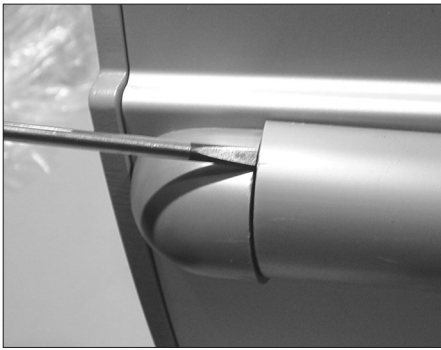


Note 1: It is advisable to replace the glass door with the assist of a second person.

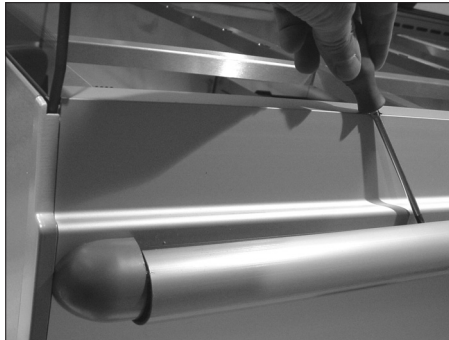
Note 2: Be sure that the black gasket is between the glass and alluminium profile.



PROTECTION PROFILE IN FRONT (BUMPER)



1. Remove the profile with a screw driver. Slide screw driver over the length to remove the profile.
2. Install new profile.



ELECTRICAL TESTS AND SERVICE PROCEDURES

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

PTC 1K SENSOR TEST

Temperature		Resistance
°F	°C	± 10 Ohms
60	16	930
70	21	970
80	27	1016
90	32	1056
100	38	1107
125	52	1227
150	65	1347
200	94	1636
250	121	1935

1. Remove the right side panel according prior procedure.
2. Remove the wiring from the sensor.
3. Connect a temperature sensor to the probe for comparison.
4. Test the probe with an Ohmmeter.

HEATING ELEMENT TEST

Note: When testing the resistance of the element remove the wiring.

Type	Wattage/Voltage	Resistance Ω -0% + 10%	Current A
HD All models	1500 / 230	35.3	6.5
	1500 / 208	28.8	7.2
	150 / 230	352.0	0.6

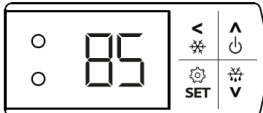
ADJUSTING DANFOSS ERC 211 THERMOSTAT

In order to adjust the thermostat, first open the panel on the backside with the key.

Adjusting Danfoss ERC211 thermostat

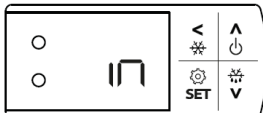
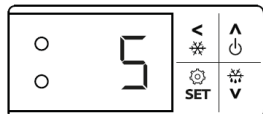
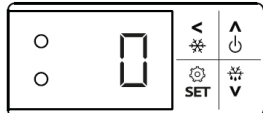
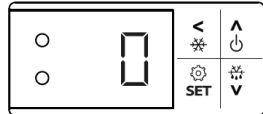
Changing temperature setpoint

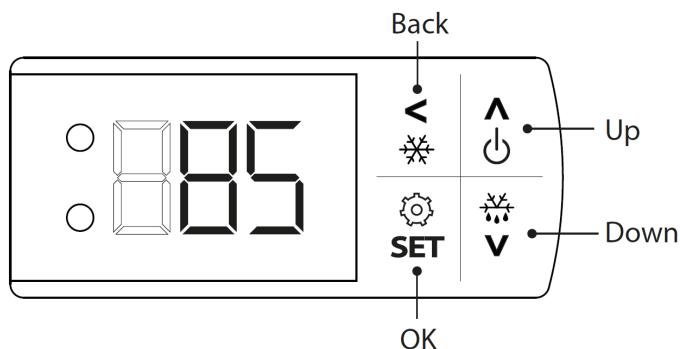
Example screens

1. Press  to access setpoint mode	
2. Change value with  or 	
3. Press  to confirm	
When no key is pressed after last confirmation, the system goes back to normal operation after 10 seconds	

Programming menu

Example screens

1. Press  for 3 seconds to access the menu	
2. Scroll through parameter groups with  and 	
3. Select parameter group with 	
4. Scroll through parameter names with  and 	
5. Press  to read out the value	
6. Change value with  and 	
7. Press  to confirm	
8. Press  to select the next parameter and follow instruction 3 to 7	
Use  to go back in the parameter groups and once more to leave the programming menu	



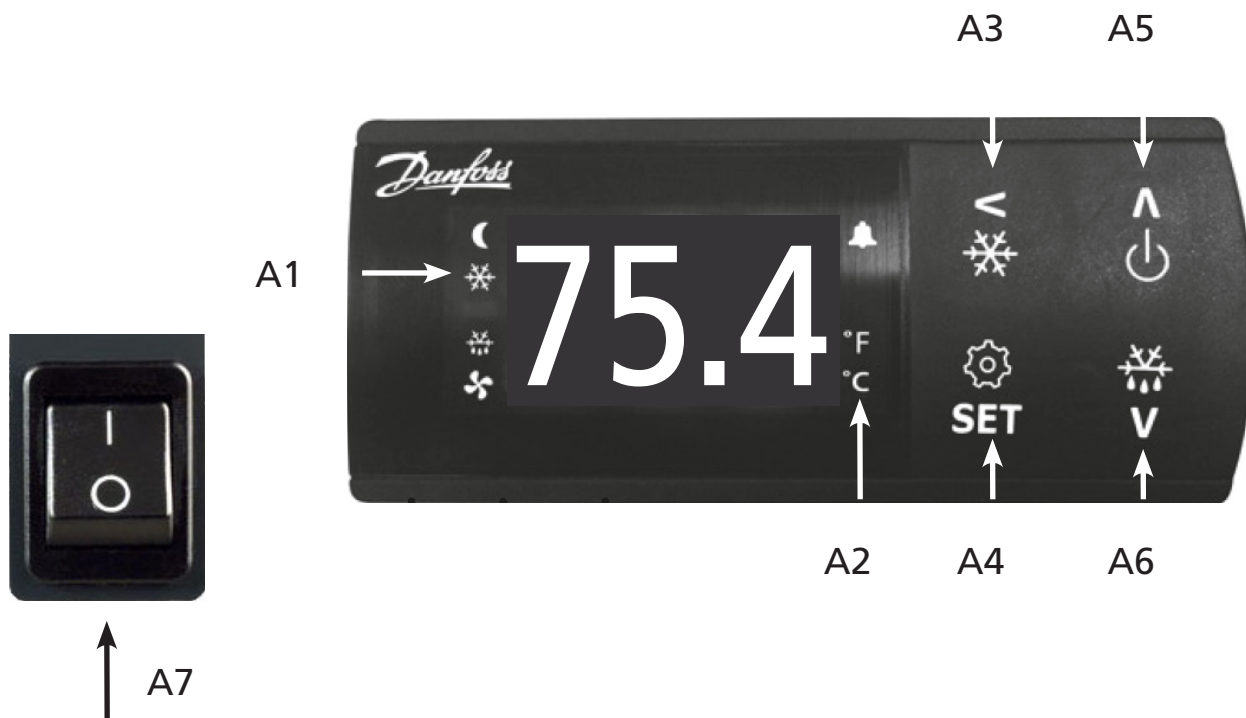
DANFOSS ERC 211 SETTINGS

Note! Change parameter r03 first!

r00	Temperature set point	75	°C
r01	Differential	1	K
r02	Min set point limitation	65	°C
r03	Max set point limitation	90	°C
r04	Display offset	0	°C
r05	Display unit (°C/°F)	°C	
r09	Calibration of Sair	0	°C
r12	Main switch	1	
r13	Night set back	0	
r40	Thermostat reference displacement	0	
r96	Pull-down duration	0	
r97	Pull-down limit temperature	0	
A03	Delay for temperature alarm (normal conditions)	30	min
A12	Delay for temperature alarm (pull down/start-up/defrost)	60	min
A13	High temperature alarm limit	100	°C
A14	Low temperature alarm limit	-30	°C
A27	DI1 delay	30	min
A37	Condenser high alarm limit	80	°C
A54	Condenser high block limit	85	°C
A72	Voltage protection enable	no	
A73	Minimum cut-in voltage	0	V
A74	Minimum cut-out voltage	0	V
A75	Maximum voltage	270	V
d01	Defrost method (no=no defrost, nAt=natural)	no	
d02	Defrost stop temperature	6	°C
d03	Defrost Interval	8	hr.
d04	Max. defrost time	30	min
d05	Defrost delay at power up	0	min
d06	Drip delay	0	min

d10	Defrost stop sensor (non=time, Air=Sair)	non	
d18	Compressor accumulated	0	hr.
d30	Defrost delay after pull-down	0	min
c01	Compressor minimum ON time	0	min
c02	Compressor minimum OFF-time	0	min
c04	Compressor OFF delay	0	sec
c70	Zero crossing selection	yES	
o01	Delay of outputs	0	sec
o02	DI1 configuration	oFF	
o03	Serial address	0	
o05	Password	no	
o06	Sensor type selection (n5=NTC5 K, n10=NTC10 K, Ptc=PTC, Pt1=Pt1000)	Ptc	
o07	Cooling/heating (rE=refrigeration / Ht=heat)	Ht	
o15	Display resolution (°C)	0.1	
o23	Relay counter	0	
o61	Predefined applications	AP0	
o67	Save settings as factory	no	
o91	Display at defrost	d	
P73	DI1 input polarity	no	
P76	Keyboard lock enable	no	
u01	Air temperature (Sair)	-	°C
u02	Read the present regulation reference	-	
u10	DI1 input	-	
u13	Status of night operation	-	
u58	Compressor relay status	-	-
u80	Firmware version readout	-	

CONTROL LOCATION TWO TIER



- A1 Heating on/off
- A2 Indication °C or °F
- A3 Back key
- A4 OK/set key
- A5 Up key
- A6 Down key
- A7 Main switch

If the elements are switched on, the indicator lamp A1 will go on.

Error codes on display:

E29: PT sensor broken or wiring problem sensor.

A01: High temperature alarm.

A02: Low temperature alarm.

A99: High voltage alarm.

AA1: Low voltage alarm.

oFF: Main switch alarm. Check parameter r12.

Wrong temperature displayed: Wrong type of sensor selected. Check o06.

When reporting error codes the unit is switched in stand-by mode and cannot be used until the problem is resolved.

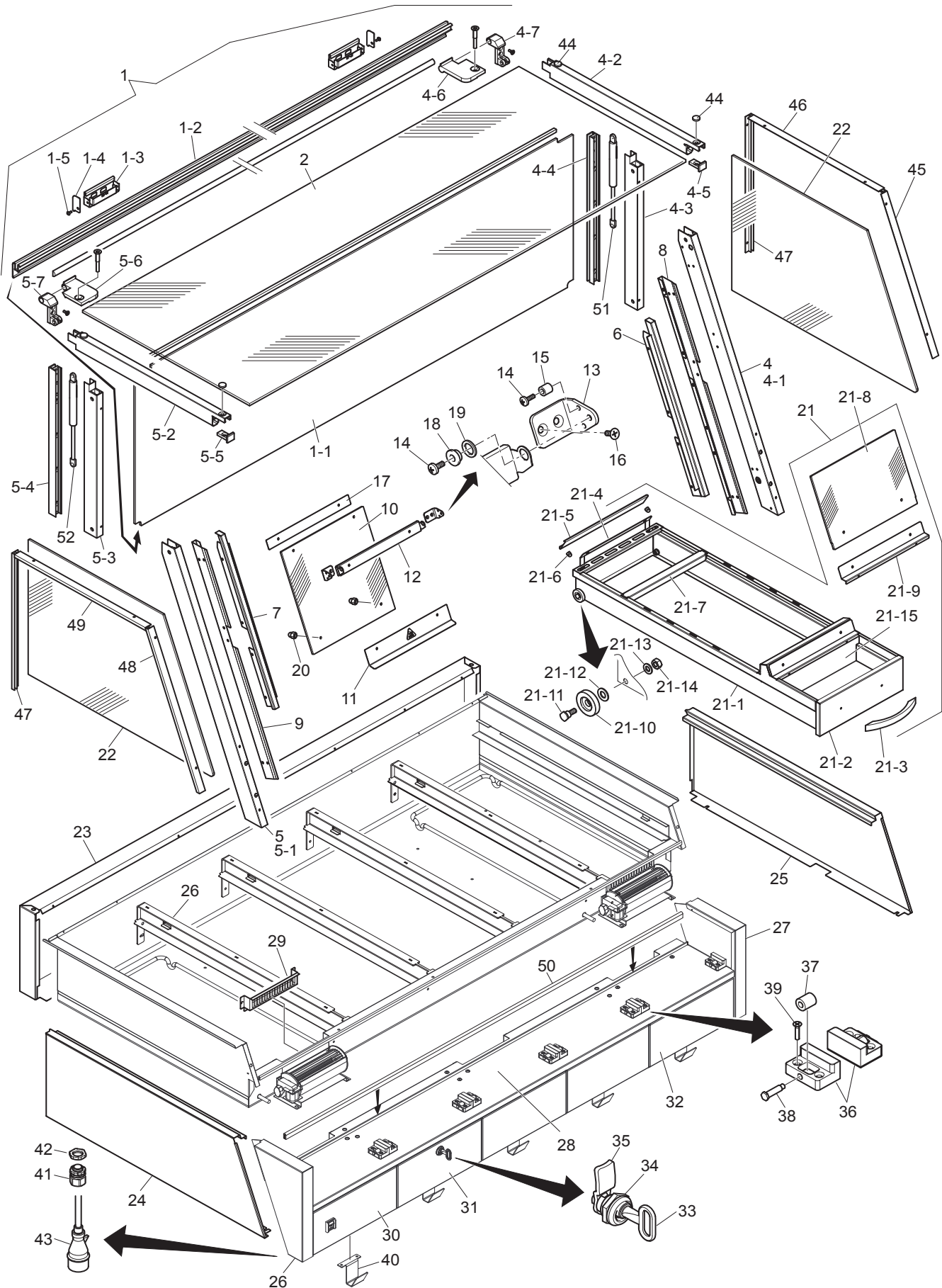
TROUBLESHOOTING

HOT DELI TWO TIER 3/4/5/7

Symptom	Possible causes
No power to warmer controls.	1. Main breaker open. 2. Fuse F1 or F2 burned. 3. Tumble switch malfunction. 4. Wiring loose.
No indication on electronic thermostat.	1. Tumble switch heating malfunction. 2. Fuse F1 or F2 burned. 3. Electronic thermostat malfunction. 4. Wiring loose.
Display does not reach desired temperature.	1. Incorrect line voltage. 2. PTC-1000 sensor malfunction. 3. Heater(s) inoperative. 4. Blower motor(s) inoperative. 5. Contactor inoperative. 6. Check parameters electronic thermostat.
Display temperature gets too high.	1. PTC-1000 sensor malfunction. 2. Contactor inoperative.
Ceramic element(s) do not work.	1. Contactor inoperative. 2. Ceramic element(s) inoperative. 3. Wiring loose.
No lighting.	1. Incorrect line voltage. 2. Tumble switch malfunction. 3. Bad contact on lamp holders. 4. Lamp malfunction. 5. Electronic ballast malfunction. 6. Wiring loose.

EXPLODED VIEWS & PARTLISTS

HOT DELI TWO TIER 3-4-5-7 SQUARE TC ASSEMBLY DRAWING



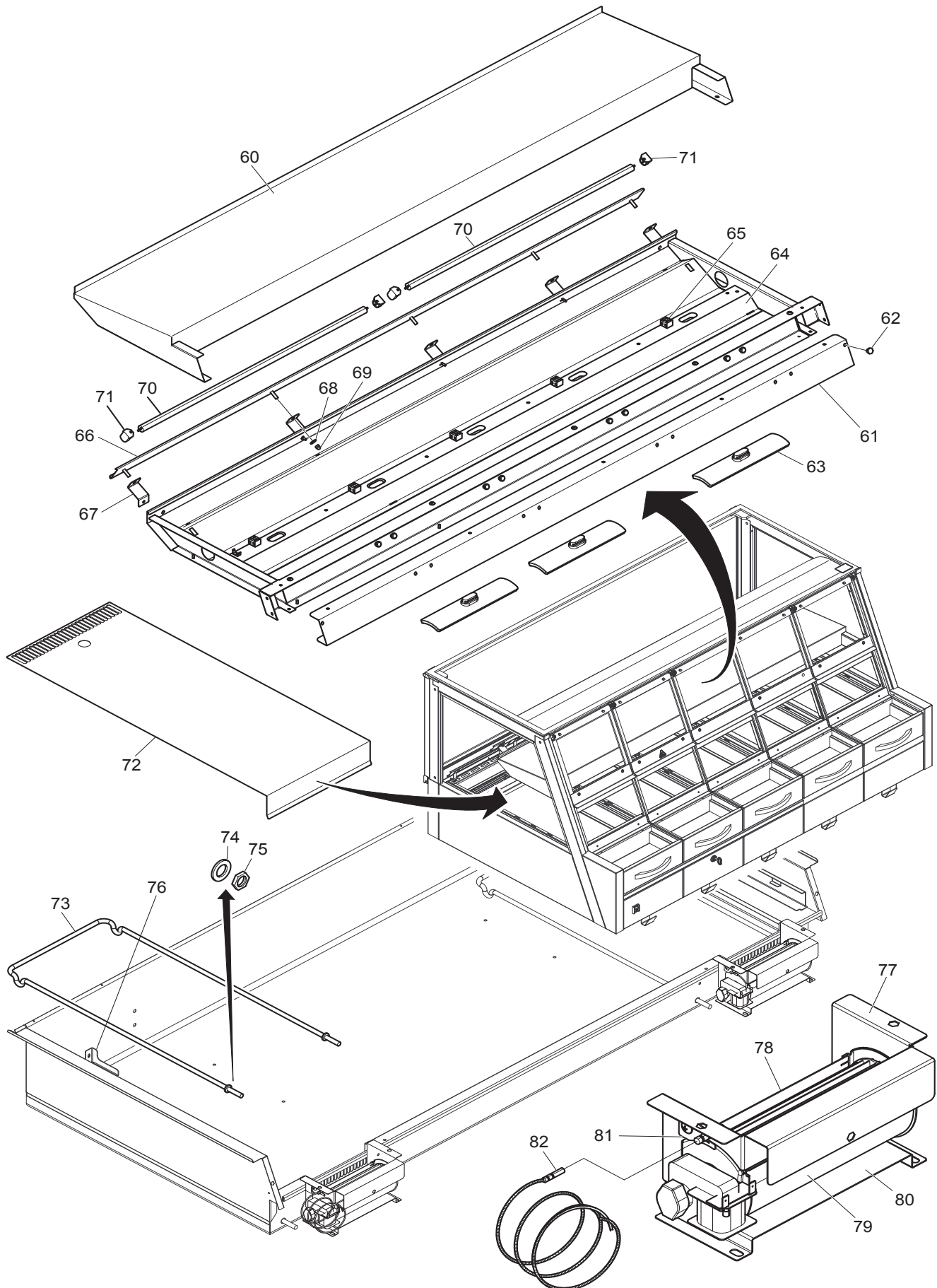
Item	Part number	Model	Qty	Description	Item	Part number	Model	Qty	Description
1	9262151S	HD 3	1	Glass, front, complete with plastic profiles	12		HD 5	5	Hinge profile
1	9262154S	HD 4	1	Glass, front, complete with plastic profil	13		HD 3	6	Hinge
1	9262156S	HD 5	1	Glass, front, complete with plastic profil	13		HD 4	8	Hinge
1-1		HD 3	2	Glass, front, without profiles	13		HD 5	10	Hinge
1-1		HD 4	2	Glass, front, without profiles	14		HD 5	12	Screw M5x10, pan head, Philips
1-1		HD 5	2	Glass, front, without profiles	15		HD 3	6	Nylon spacer ø5,2/10 L= 6
1-2	9263011	HD 3	1	Glass handle	15		HD 4	8	Nylon spacer ø5,2/10 L= 6
1-2	9263006	HD 4	1	Glass handle	15		HD 5	10	Nylon spacer ø5,2/10 L= 6
1-2	9263002	HD 5	1	Glass handle	16		HD 3	12	Screw M5x10, counter sunk, Philips
1-2	9263011	HD 3	1	Glass handle	16		HD 4	16	Screw M5x10, counter sunk, Philips
1-2	9263006	HD 4	1	Glass handle	16		HD 5	20	Screw M5x10, counter sunk, Philips
1-2	9263002	HD 5	1	Glass handle	17		HD 3	3	Clamping profile
1-3	9264595	All models	2	Magnet holder	17		HD 4	4	Clamping profile
1-4	9264596	All models	2	Cover plate	17		HD 5	5	Clamping profile
1-5	4288324	All models	2	Screw M 4x8, SS socket button head	18		HD 3	6	Brass bearing 6 mm
1-6	9263049	HD 3	1	Protection profile (plastic)	18		HD 4	8	Brass bearing 6 mm
1-6	9263055	HD 4	1	Protection profile (plastic)	18		HD 5	10	Brass bearing 6 mm
1-6	9263056	HD 5	1	Protection profile (plastic)	19		HD 3	6	Washer ø10,3/15 x 1,5mm
2	9262150S	HD 3	1	Glass, top side	19		HD 4	8	Washer ø10,3/15 x 1,5mm
2	9262153S	HD 4	1	Glass, top side	19		HD 5	10	Washer ø10,3/15 x 1,5mm
2	9262157S	HD 5	1	Glass, top side	20		HD 3	6	Bumper
4	9263703	All models	1	Console right, ass.	20		HD 4	8	Bumper
4-6	9268365	All models	set	Various fastening materials for consoles	20		HD 5	10	Bumper
5	9263704	All models	1	Console left, ass.	21		HD 3	3	Drawer complete, ass.
5-6	9268365	All models	set	Various fastening materials for consoles	21		HD 4	4	Drawer complete, ass.
6	9267117	All models	1	Cover plate, right	21		HD 5	5	Drawer complete, ass.
7	9267116	All models	1	Cover plate, left	21-1	9260703	HD 3	3	Drawer frame. ass.
8	9267119	All models	1	Base plate, right	21-1	9260703	HD 4	4	Drawer frame. ass.
9	9267118	All models	1	Base plate, left	21-1	9260703	HD 5	5	Drawer frame. ass.
10		All models	3	Window	21-2	9267038	HD 3	3	Drawer front
10		All models	4	Window	21-2	9267038	HD 4	4	Drawer front
10		All models	5	Window	21-2	9267038	HD 5	5	Drawer front
11		HD 3	3	Handle	21-3	9281006	HD 3	3	Grip
11		HD 4	4	Handle	21-3	9281006	HD 4	4	Grip
11		HD 5	5	Handle	21-3	9281006	HD 5	5	Grip
12		HD 3	3	Hinge profile	21-4	9267080	HD 3	3	Holder, price rail
12		HD 4	4	Hinge profile	21-4	9267080	HD 4	4	Holder, price rail
					21-4	9267080	HD 5	5	Holder, price rail
					21-5	9267121	HD 3	3	Price rail
					21-5	9267121	HD 4	4	Price rail
					21-5	9267121	HD 5	5	Price rail
					21-6	3712021	HD 3	6	Bumper
					21-6	3712021	HD 4	8	Bumper
					21-6	3712021	HD 5	10	Bumper
					21-7	9267043	HD 3	3	Divider GN pans
					21-7	9267043	HD 4	4	Divider GN pans

Item	Part number	Model	Qty	Description
21-7	9267043	HD 5	5	Divider GN pans
21-8	9262712	HD 3	3	Fixed window, drawer
21-8	9262712	HD 4	4	Fixed window, drawer
21-8	9262712	HD 5	5	Fixed window, drawer
21-9	9267040	HD 3	3	Profile
21-9	9267040	HD 4	4	Profile
21-9	9267040	HD 5	5	Profile
21-10	9262705	HD 3	6	Wheel, drawer
21-10	9262705	HD 4	8	Wheel, drawer
21-10	9262705	HD 5	10	Wheel, drawer
21-11	9262704	HD 3	6	Axle
21-11	9262704	HD 4	8	Axle
21-11	9262704	HD 5	10	Axle
21-12	4287557	HD 3	6	Washer M10x2 mm
21-12	4287557	HD 4	8	Washer M10x2 mm
21-12	4287557	HD 5	10	Washer M10x2 mm
21-13	0146987	HD 3	6	Washer M8x1,6 mm
21-13	0146987	HD 4	8	Washer M8x1,6 mm
21-13	0146987	HD 5	10	Washer M8x1,6 mm
21-14	0141547	HD 3	6	Nut M8, SS
21-14	0141547	HD 4	8	Nut M8, SS
21-14	0141547	HD 5	10	Nut M8, SS
21-15	9267083	HD 3	3	Drawer insert
21-15	9267083	HD 4	4	Drawer insert
21-15	9267083	HD 5	5	Drawer insert
22	92621525	All models	2	Side glass
23	9265108	HD 3	1	Front panel
23	9265109	HD 4	1	Front panel
23		HD 5	1	Front panel
24	9267092	All models	1	Side panel, left
25	9267093	All models	1	Side panel, right
26	9267017	All models	2	Panel, left
27	9267019	All models	2	Panel, right
28	9267016	HD 3	1	Cover plate, operator side
28	9267216	HD 4	1	Cover plate, operator side
28		HD 5	1	Cover plate, operator side
29	9267084	All models	2	Dirt shield, blower
30	9267104	All models	1	Back panel, switch
31	9267045	All models	1	Back panel, for lock
32	9267044	HD 3	1	Back panel
32	9267044	HD 4	2	Back panel
32	9267044	HD 5	3	Back panel
33	9261702	All models	1	Key, for lock
34	9261701	All models	1	Lock

Item	Part number	Model	Qty	Description
35	9261703	All models	1	Closure lip
36	9262719	HD 3	6	Housing
36	9262719	HD 4	8	Housing
36	9262719	HD 5	10	Housing
37	9262718	HD 3	6	Roller, for drawer
37	9262718	HD 4	8	Roller, for drawer
37	9262718	HD 5	10	Roller, for drawer
38	9272017	HD 3	6	Bolt M6
38	9272017	HD 4	8	Bolt M6
38	9272017	HD 5	10	Bolt M6
39	4310553	HD 3	12	Screw M5x20. counter-sunk head
39	4310553	HD 4	16	Screw M5x20. counter-sunk head
39	4310553	HD 5	20	Screw M5x20. counter-sunk head
40	9267101	HD 3	3	Bag holder
40	9267101	HD 4	4	Bag holder
40	9267101	HD 5	5	Bag holder
41	9261022	All models	1	Strain relief M25
42	9261023	All models	1	Nut M25, strain relief
43	9070028	All models	1	Connecting cable with plug
44		All models	4	Protection cap
45	9263710	All models	1	Glass fixation, rear right
46	9263712	All models	1	Glass fixation, top right
47	9263714	All models	2	Glass fixation, front
48	9263711	All models	1	Glass fixation, rear left
49	9263713	All models	1	Glass fixation, top left
50	9261704	HD 3	1.1 mtr	Sealing profile
50	9261704	HD 4	1.5 mtr	Sealing profile
50	9261704	HD 5	1.8 mtr	Sealing profile
51	9262161	HD 3	1	Gas spring 300 N
51	9262161	HD 4	1	Gas spring 300 N
51	9262162	HD 5	1	Gas spring 400 N
52	9262161	HD 3	1	Gas spring 300 N
52	9262162	HD 4	1	Gas spring 400 N
52	9262162	HD 5	1	Gas spring 400 N
53	9260702	HD 3	2	Drawer guide, ass.
53	9260702	HD 4	3	Drawer guide, ass.
53	9260702	HD 5	4	Drawer guide, ass.

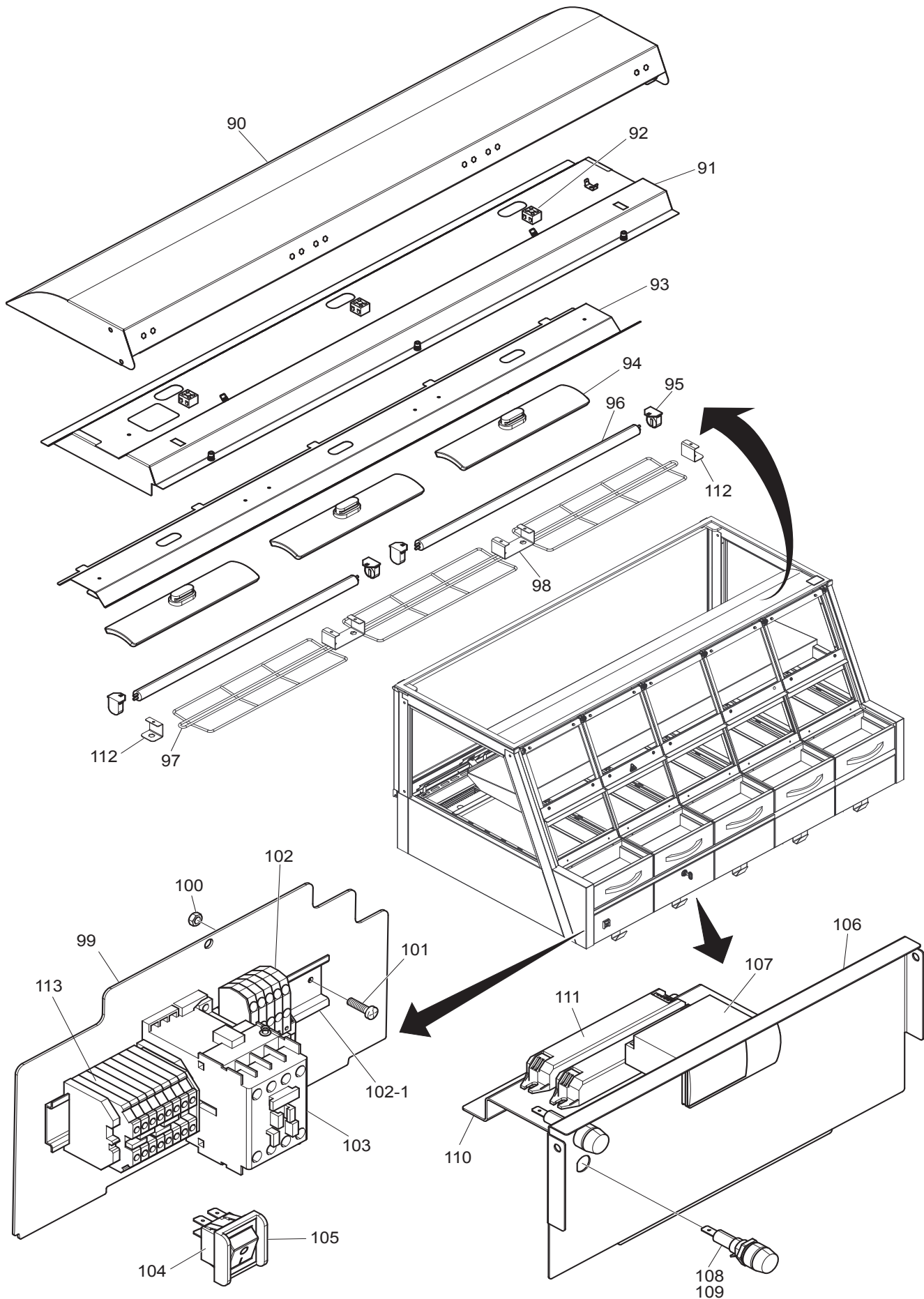
Item	Part number	Model	Qty	Description
10-20	9260296S	HD 3 HD 4 HD 5	1	Flap door complete with profiles and hing support

HOT DELI TWO TIER 3-4-5-7 SQUARE TC COMPONENTS DRAWING 1



Item	Part number	Model	Qty	Description
60	9260710	HD 3	1	Shelf, top plate
60	9260730	HD 4	1	Shelf, top plate
60		HD 5	1	Shelf, top plate
61	9267060	HD 3	1	Cover plate
61	9267260	HD 4	1	Cover plate
61		HD 5	1	Cover plate
62	9086207	HD 3	6	Bumper
62	9086207	HD 4	8	Bumper
62	9086207	HD 5	10	Bumper
63	9181065	HD 3	3	Ceramic element 150W
63	9181065	HD 4	4	Ceramic element 150W
63	9181065	HD 5	5	Ceramic element 150W
64	9267096	HD 3	1	Reflector
64	9267296	HD 4	1	Reflector
64		HD 5	1	Reflector
65	9171110	All models	6	Terminal block, ceramic
66	9267120	HD 3	1	Price rail
66	9267320	HD 4	1	Price rail
66		HD 5	1	Price rail
67	9267264	HD 3	3	Bracket, price rail
67	9267264	HD 4	3	Bracket, price rail
67	9267264	HD 5	4	Bracket, price rail
68	4311110	HD 3	3	Washer M5x1,2, SS
68	4311110	HD 4	4	Washer M5x1,2, SS
68	4311110	HD 5	5	Washer M5x1,2, SS
69	4285408	HD 3	3	Nut M5x10, domed cap
69	4285408	HD 4	4	Nut M5x10, domed cap
69	4285408	HD 5	5	Nut M5x10, domed cap
70	9221027s	HD 3	1	TL lamp 21W / 830 without locking rings
70	9271000	HD 4	2	TL lamp 14W / 830
70	9221027s	HD 5	2	TL lamp 21W / 830 without locking rings
71	9221025	HD 3	2	Lamp holder
71	9221025	HD 4	4	Lamp holder
71	9221025	HD 5	4	Lamp holder
72	9260712	HD 3	3	Vover plate
72	9260712	HD 4	4	Cover plate
72	9260712	HD 5	5	Cover plate
73	9182000	All models	2	Heating element, 1500 W
74	0169197	HD 3	4	Gasket, heating element
75	0169187	HD 4	4	Nut, heating element
76	9264017	All models	2	Bracket, heating element
77	9267128	All models	2	Suction funnel
78	9264512	All models	2	Air blocker
79	9261062	All models	2	Blower
80	9264180	All models	2	Mounting bracket
81	9267106	All models	1	Sensor holder
82	9221011	All models	1	Temperature sensor

HOT DELI TWO TIER 3-4-5-7 SQUARE TC COMPONENTS DRAWING 2

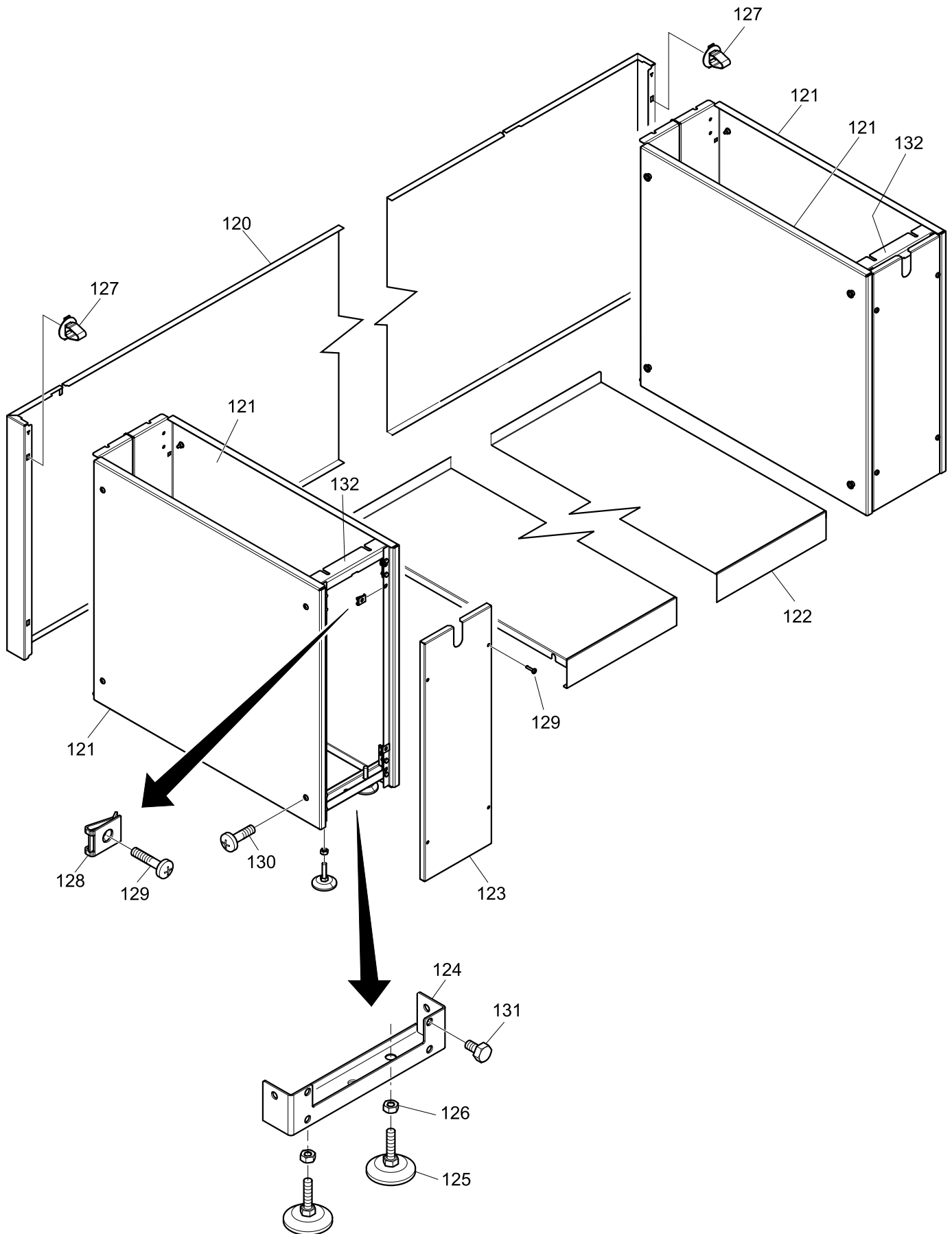


Item	Part number	Model	Qty	Description
90	9267068	HD 3	1	Light fixture
90	9267268	HD 4	1	Light fixture
90		HD 5	1	Light fixture
91	9267069	HD 3	1	Light fitting
91	9267269	HD 4	1	Light fitting
91		HD 5	1	Light fitting
92	9171110	All models	6	Terminal block, ceramic
93	9267072	HD 3	1	Reflector
93	9267272	HD 4	1	Reflector
93		HD 5	1	Reflector
94	9181065	HD 3	3	Ceramic element 150W
94	9181065	HD 4	4	Ceramic element 150W
94	9181065	HD 5	5	Ceramic element 150W
95	9221025	HD 3	2	Lamp holder
95	9221025	HD 4	4	Lamp holder
95	9221025	HD 5	4	Lamp holder
96	9221027	HD 3	1	TL lamp 21W / 830 zonder locking rings
96	9271000	HD 4	2	TL lamp 14W / 830
96	9221027	HD 5	2	TL lamp 21W / 830 without locking rings
97	9292061	HD 3	3	Grid for lights
97	9292061	HD 4	4	Grid for lights
97	9262061	HD 5	5	Grid for lights
98	9267113	HD 3	2	Bracket for grid
98	9267113	HD 4	3	Bracket for grid
98	9267113	HD 5	4	Bracket for grid
99	9267129	All models	2	Mounting plate, electrical components

Item	Part number	Model	Qty	Description
100	0142307	All models	2	Nut M4, SS
101	0141204	All models	2	Screw M4x16, SS, cross recessed head (Philips)
102	9262070	All models	1	Terminal block with mounting rail
102-1	0166741	All models	1	Mounting rail
103	3500069	All models	1	Contactator
104	9281036	All models	1	Tumble switch
105	9281037	All models	1	Safety on switch
106	9267103	All models	1	Mounting plate
107	9221109	HD 3	1	Thermostat ERC211
107	9221109	HD 4	1	Thermostat ERC211
107	9221109	HD 5	1	Thermostat ERC211
107	9221109	HD7	2	Thermostat ERC211
108	9261019	All models	2	Fuse holder
109	9261018	All models	2	Fuse 6,3x32, ceramic T15A
110	9267077	All models	1	Mounting plate
111	9221029	HD 3	2	Ballast 14/21W, 230V, 50-60Hz
111	9221029	HD 4	4	Ballast 14/21W, 230V, 50-60Hz
111		HD 5		
112	9267123	All models	2	Bracket
113	9292038	All models	1	Terminal block 1 to 6 +2A

96 for TT7 TL Lamp 2 x 9271000 and 1 x 9221027

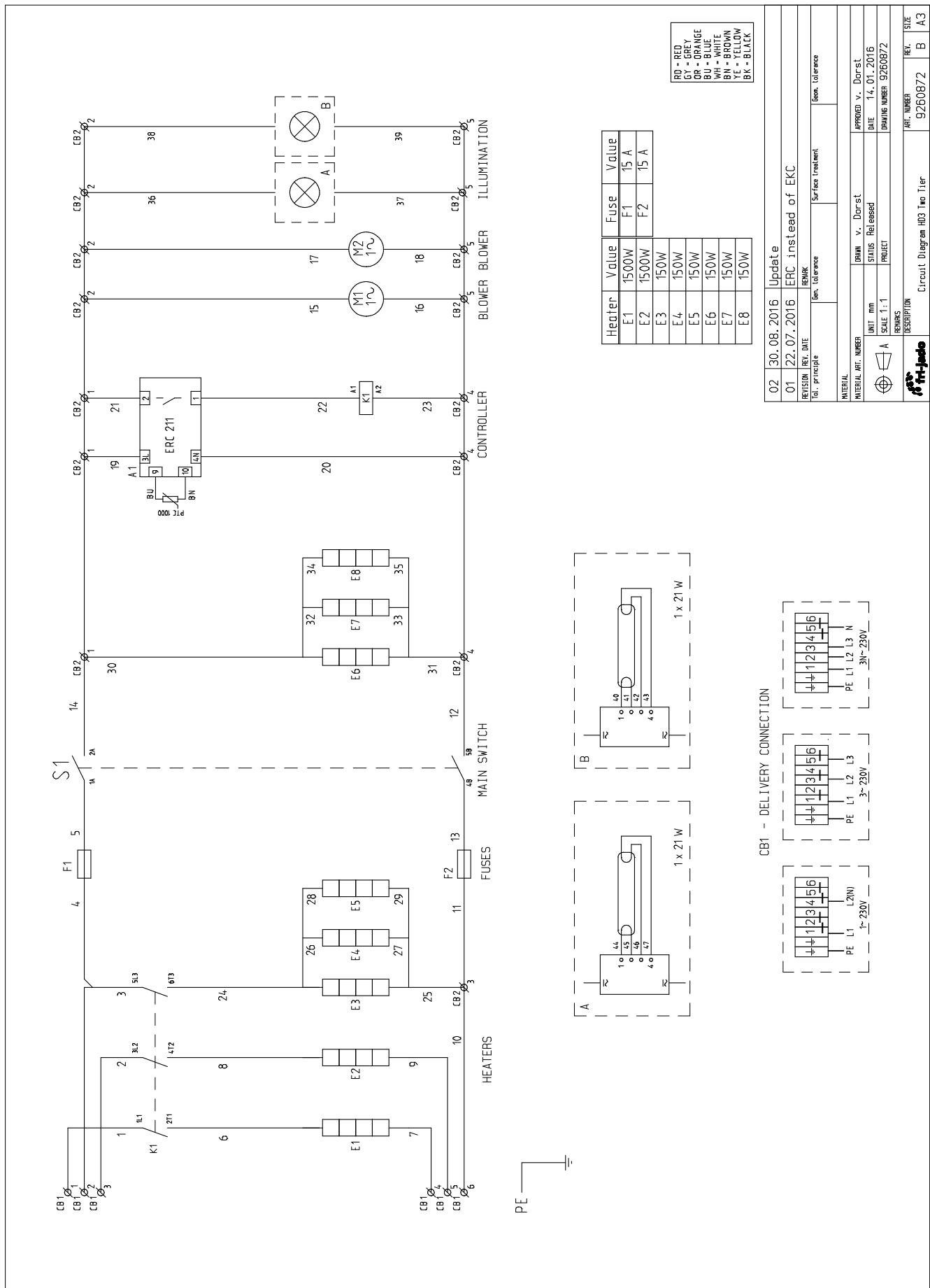
HOT DELI TWO TIER 3-4-5-7 SQUARE TC UNDERFRAME

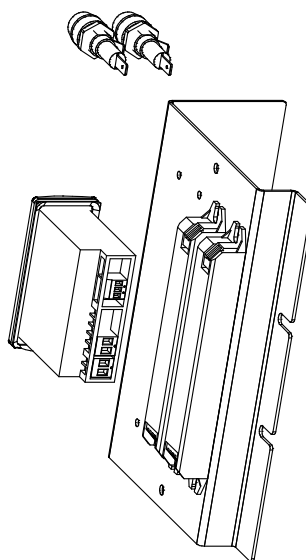


Item	Part number	Model	Qty	Description
120	9264432	HD3	1	Front panel
120	9264431	HD4	1	Front panel
120		HD5	1	Front panel
121	9264401	All models	4	Frame
122	9267102	HD3	1	Bottom shelf
122	9267202	HD4	1	Bottom shelf
122		HD5	1	Bottom shelf
123	9264409	All models	2	Panel
124	9264406	All models	4	Mounting profile for legs
125	9261012	All models	8	Adjustable leg
126	0141547	All models	8	Nut M8, SS
127	4313049	All models	8	Screw-in clamp M5
128	9172053	All models	1	Nut-plate M5
129	0141157	All models	8	Screw M5x20, SS socket button head
130	4288232	All models	8	Screw M5x12, SS socket button head
131	9008178	All models	32	Bolt M5x8, SS

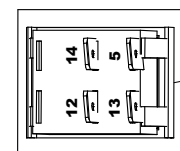
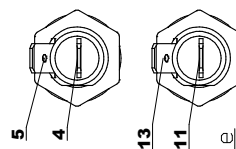
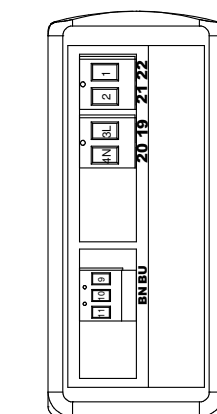
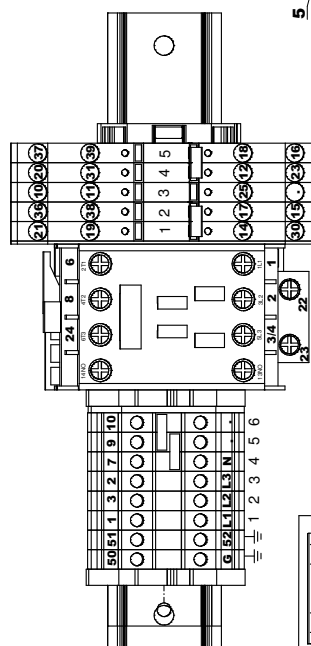
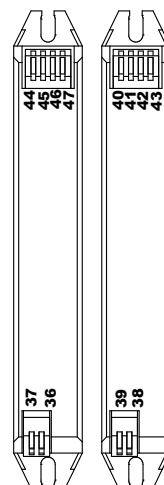
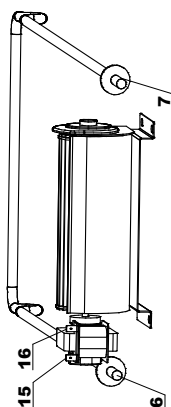
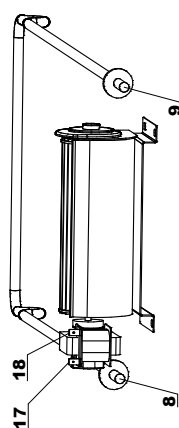
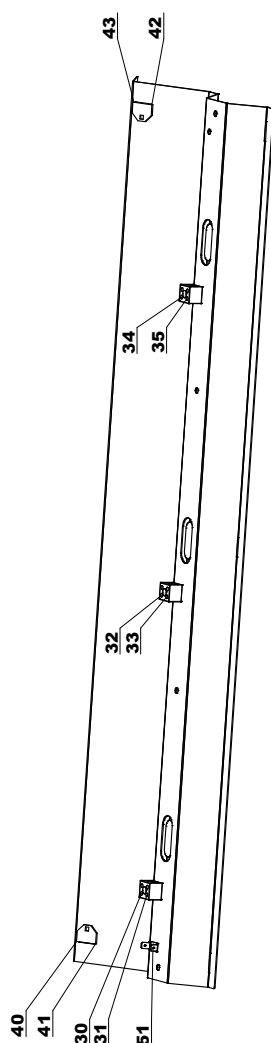
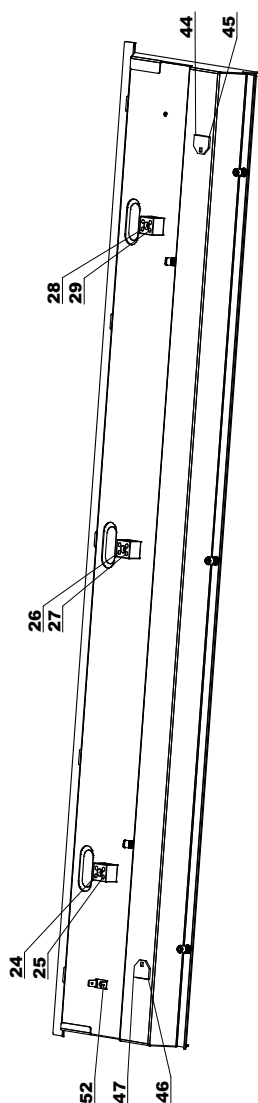
ELECTRICAL DIAGRAMS

CIRCUIT DIAGRAM HDTT- 3 SQUARE TC



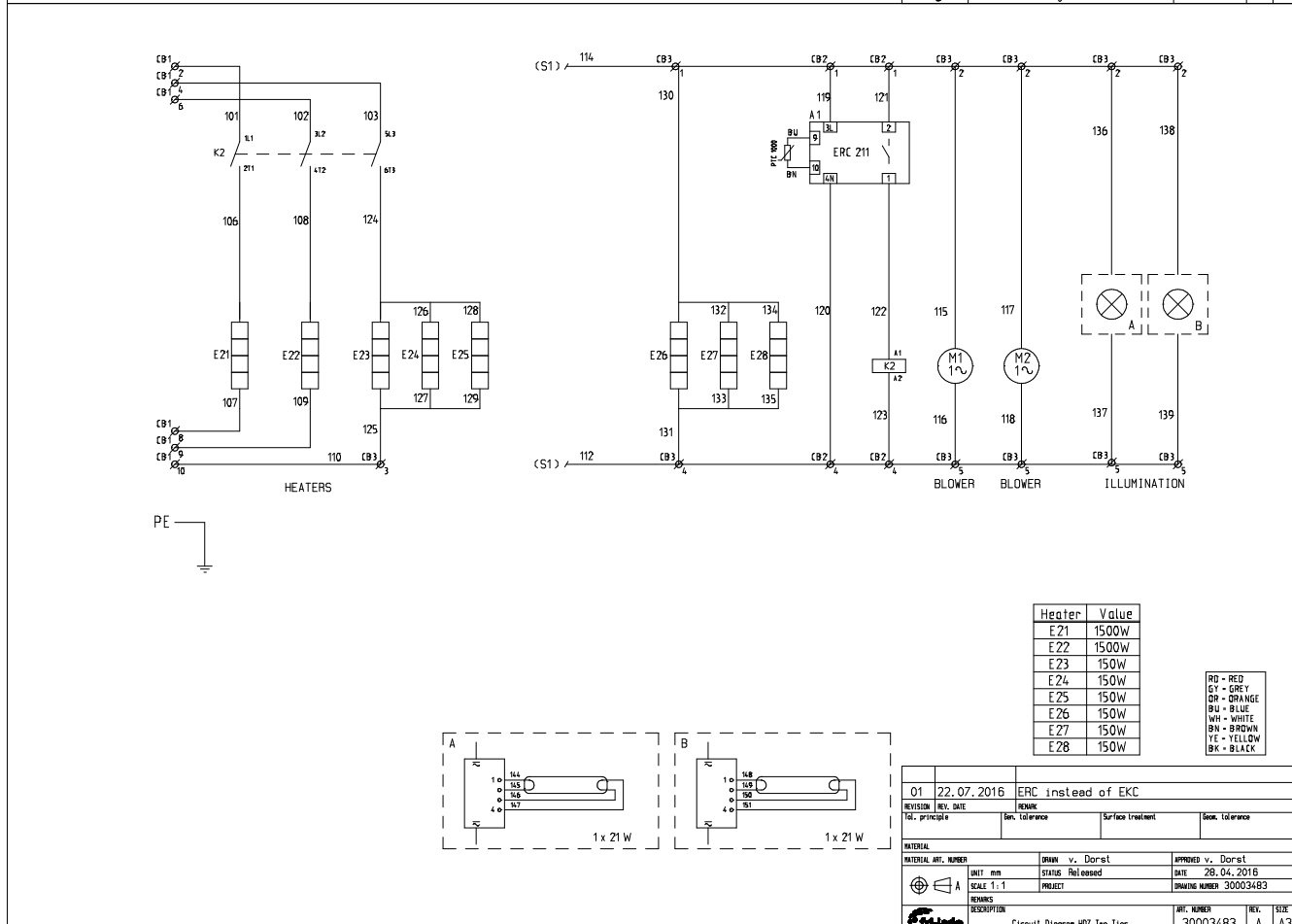
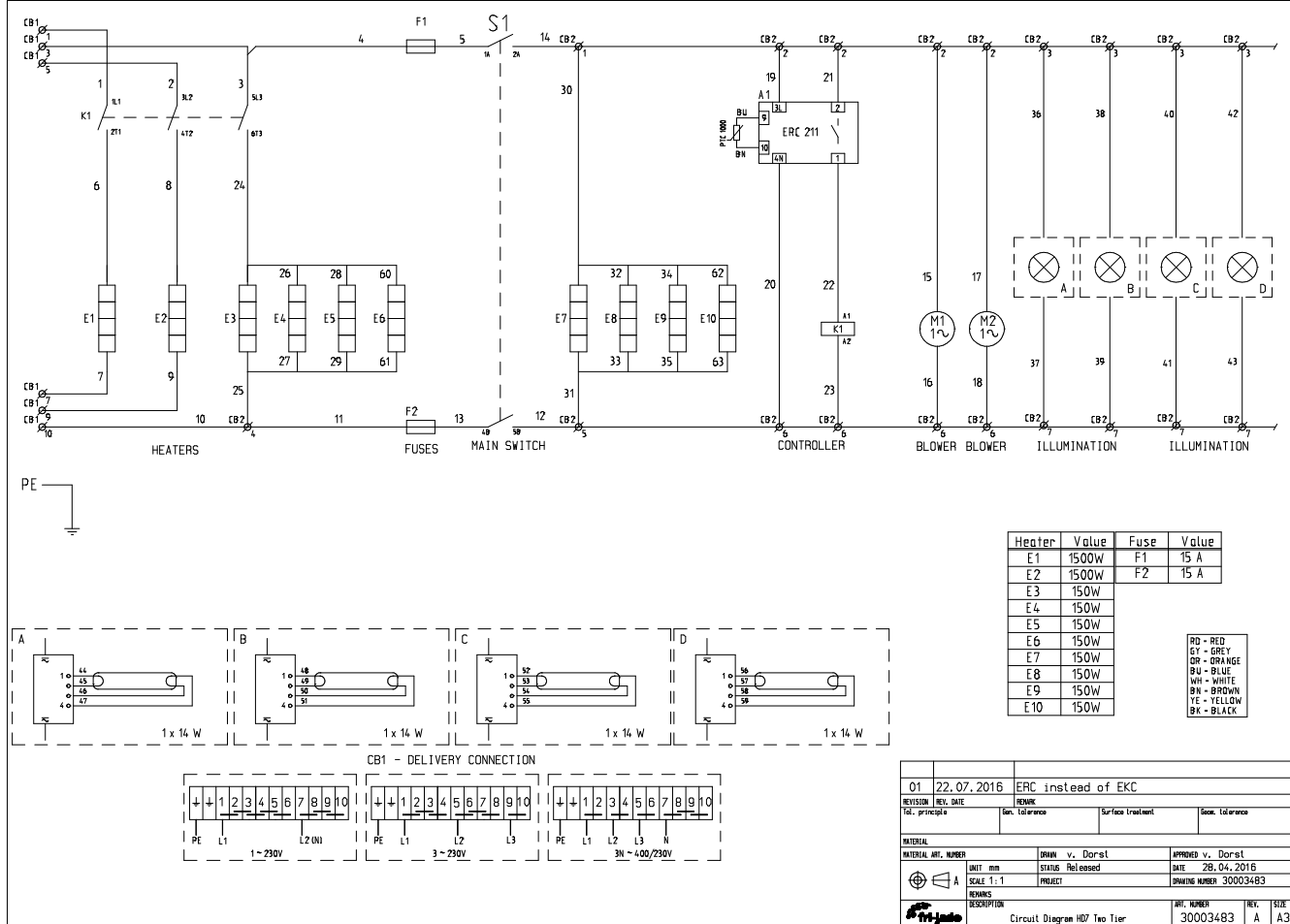


02	30.08.2016	Connections	
01	25.07.2016	Connections, EFC	
REMARK			
REVISION: REV. DATE		Surface treatment	
col. principle		Spac. tolerance	
MATERIAL			
UNIT: mm		DRAWN v. Dorst	
SCALE 1:10		DATE 23.03.2016	
A		STATUS Released	
PROJECT		DRAWING NUMBER 9260874	
REMARKS			
DESCRIPTION		ART. NUMBER	REV. SIZE
Wiring diagram Tier 3		9260874	R A3

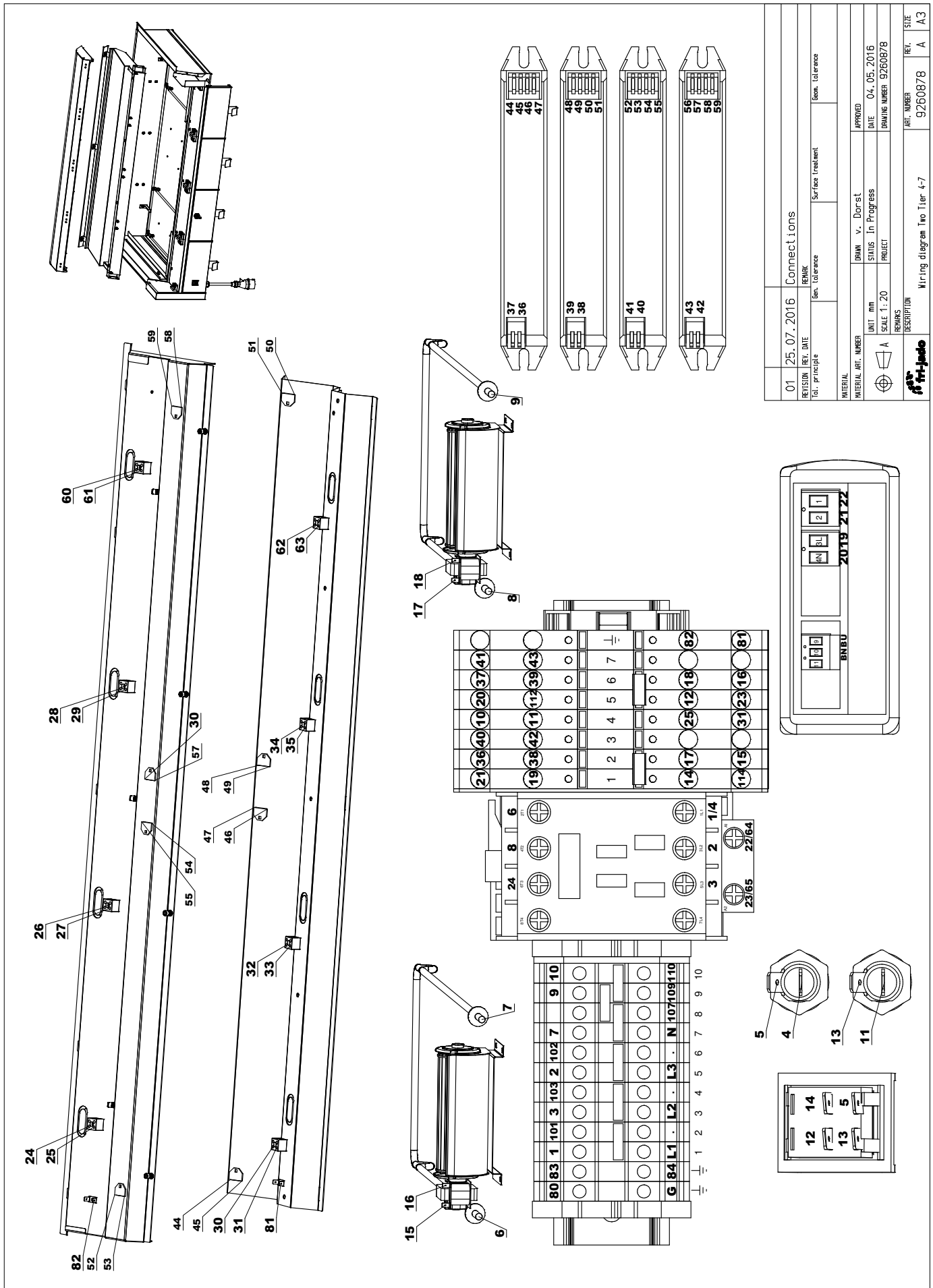


Wire 53 with bolt mounted on switch plate
wire 53 and 50 with bolt mounted on frame

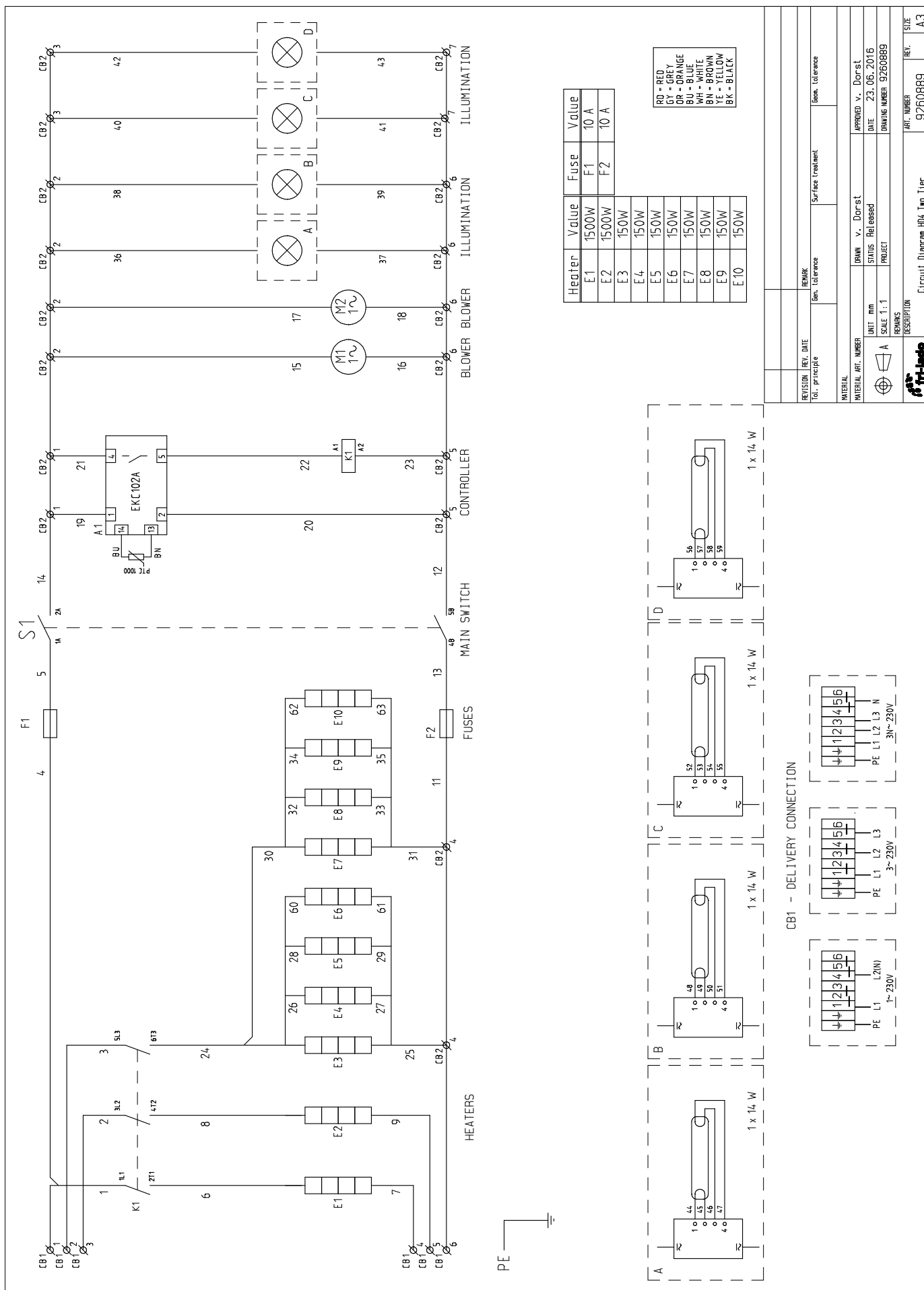
CIRCUIT DIAGRAM HDTT- 7 SQUARE TC

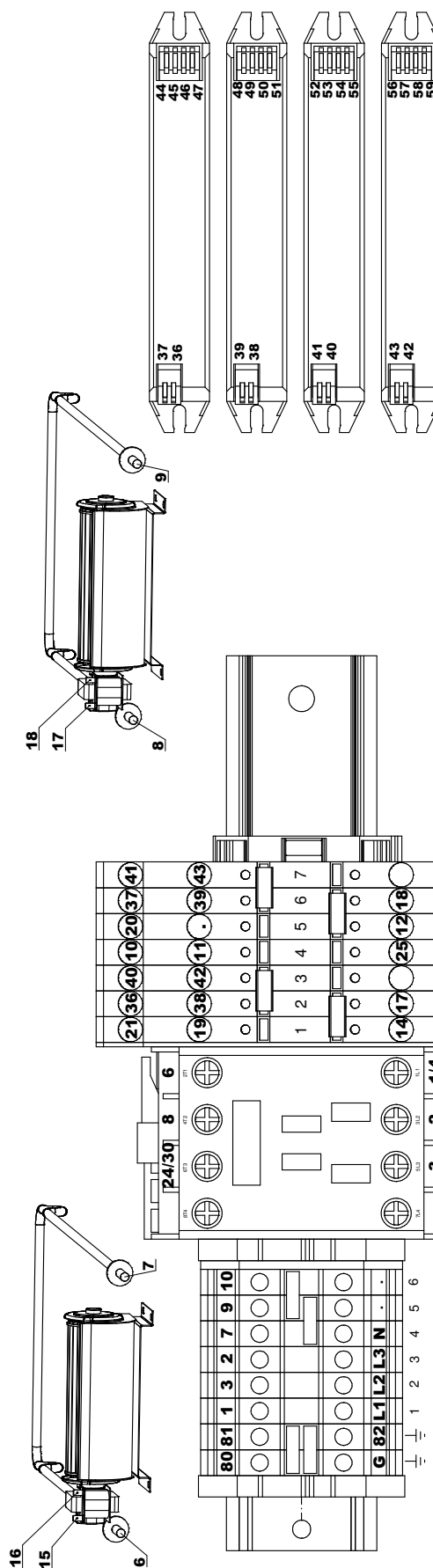
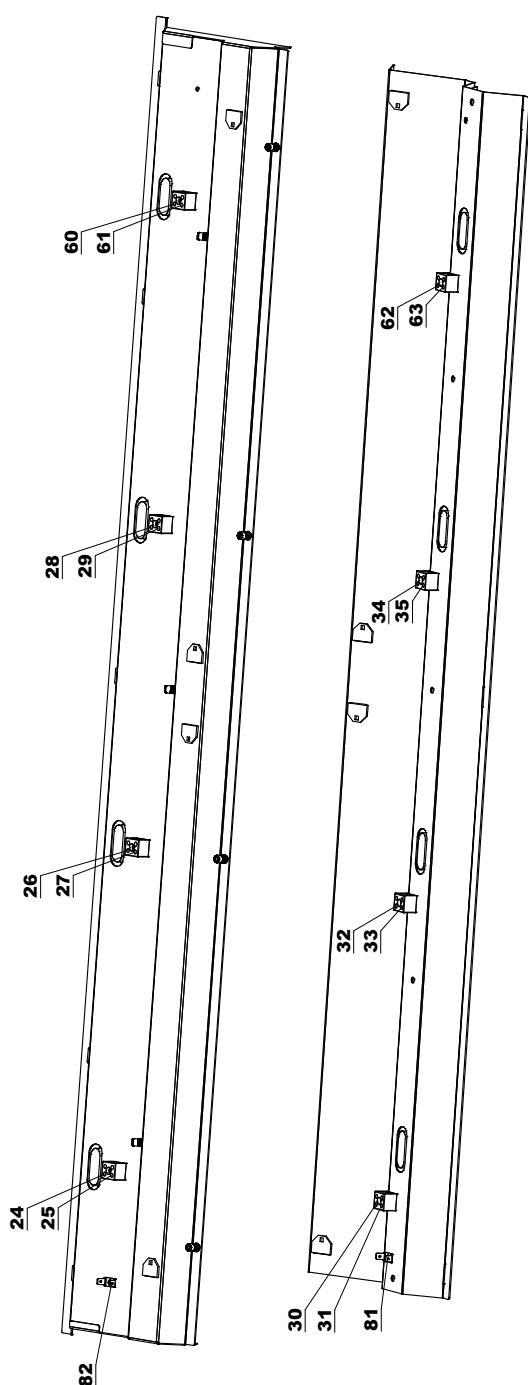
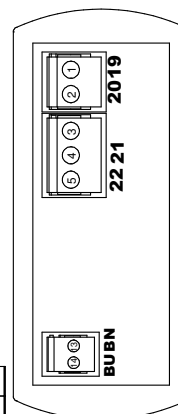


WIRING DIAGRAM HDTT- 4-7 (4 OF 7) SQUARE TC



CIRCUIT DIAGRAM HDTT- 4 SQUARE



[illegible]

Wire 83 with bolt mounted on switch plate
wire 83 and 80 with bolt mounted on frame

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