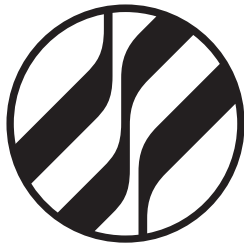
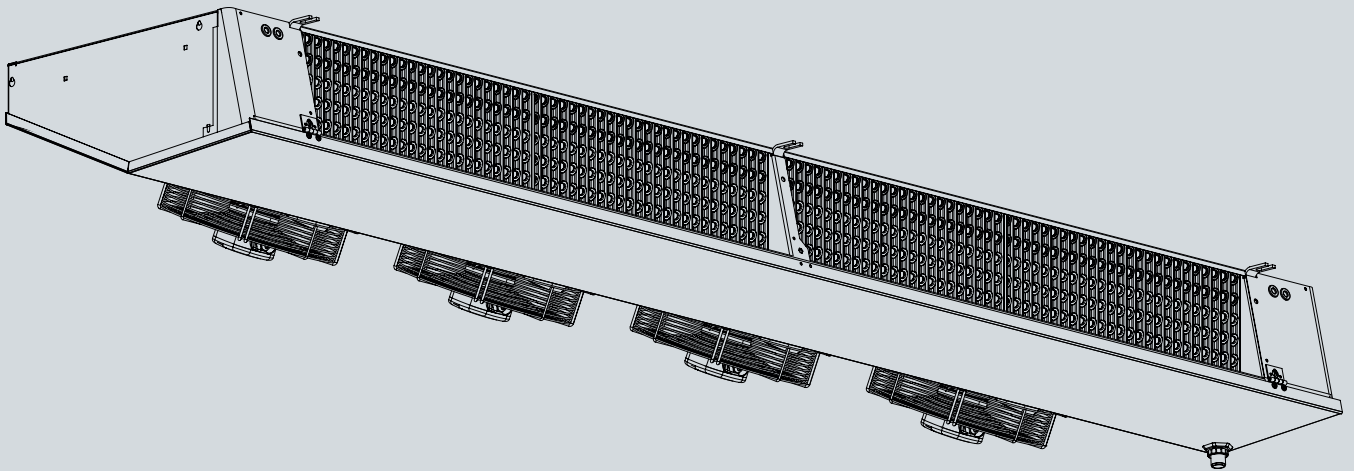
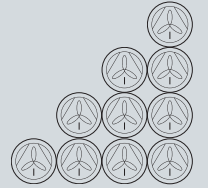


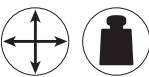
Kelvion



Kelvion MCC

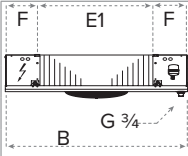


MOUNTING GUIDE

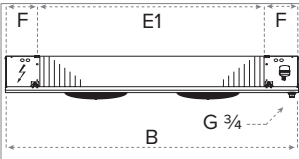


DIMENSIONS & WEIGHTS

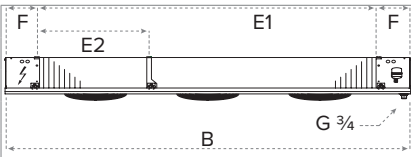
Type	H±5	B±5	T±5	L±5	F±3
MCC	mm	mm	mm	mm	mm



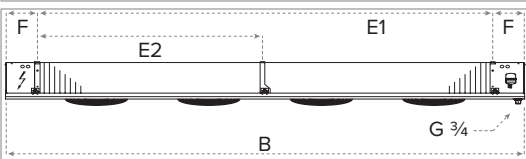
MCC-301-S	268	872	626	612	171
MCC-301-4	268	972	626	612	171
MCC-301-6	268	972	626	612	171
—	—	—	—	—	—
—	—	—	—	—	—



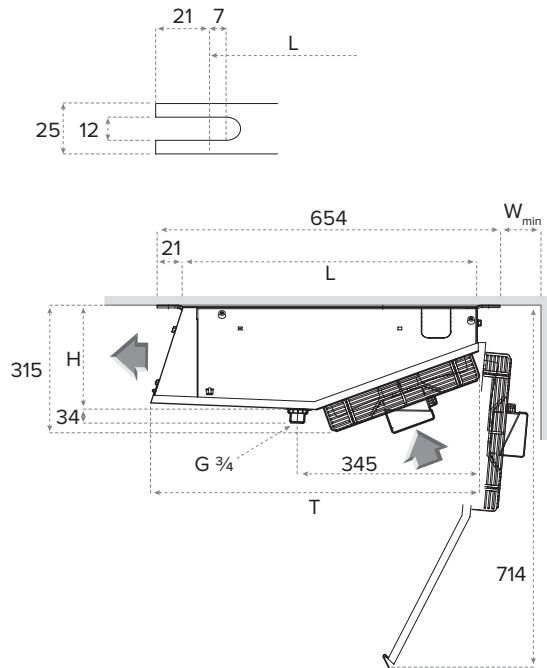
MCC-302-S	268	1372	626	612	171
MCC-302-4	268	1572	626	612	171
MCC-302-6	268	1572	626	612	171
—	—	—	—	—	—
—	—	—	—	—	—



MCC-303-4	268	2172	626	612	171
MCC-303-6	268	2172	626	612	171
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—



MCC-304-4	268	2772	626	612	171
MCC-304-6	268	2772	626	612	171
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—



Type	E1±5	E2±5	B _{min}	W _{min}	Weight	
MCC	mm	mm	mm	mm	kg	
					net	gross

MCC-301-S	530	—	700	100	20	23
MCC-301-4	630	—	800	100	23	26
MCC-301-6	630	—	800	100	25	28
—	—	—	—	—	—	—
—	—	—	—	—	—	—

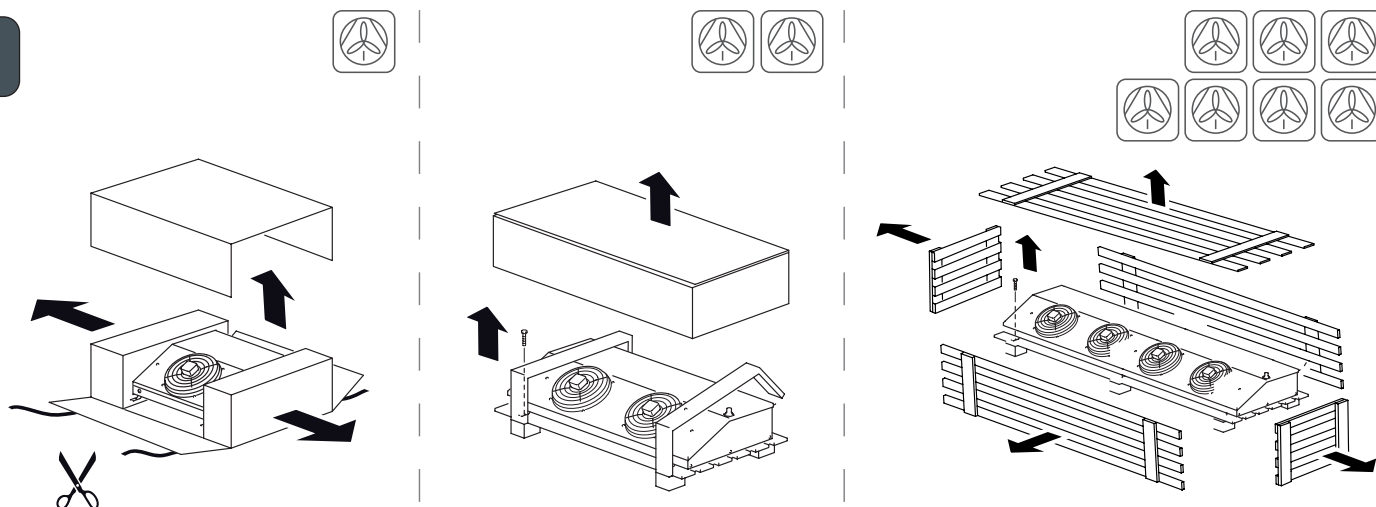
MCC-302-S	1030	—	1200	100	32	54
MCC-302-4	1230	—	1400	100	37	60
MCC-302-6	1230	—	1400	100	40	63
—	—	—	—	—	—	—
—	—	—	—	—	—	—

MCC-303-4	1830	629	2000	100	50	88
MCC-303-6	1830	629	2000	100	54	92
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—

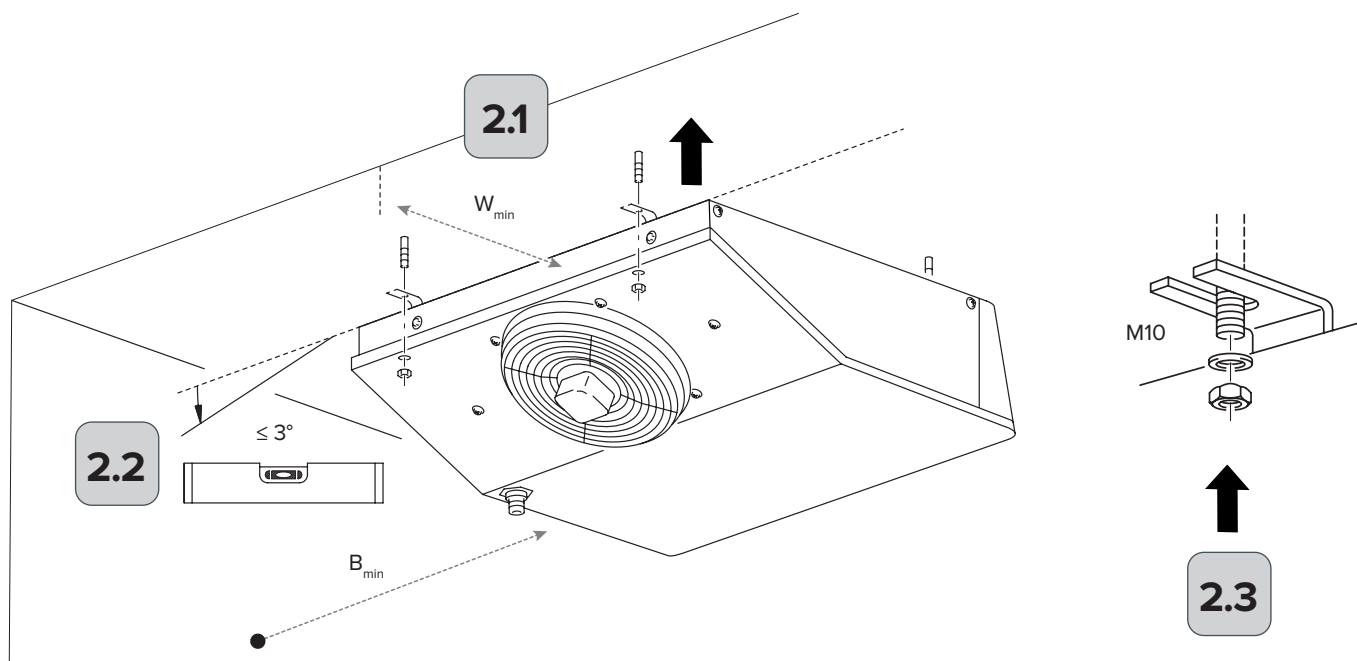
MCC-304-4	2430	1229	2600	100	66	108
MCC-304-6	2430	1229	2600	100	73	115
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—

ASSEMBLY

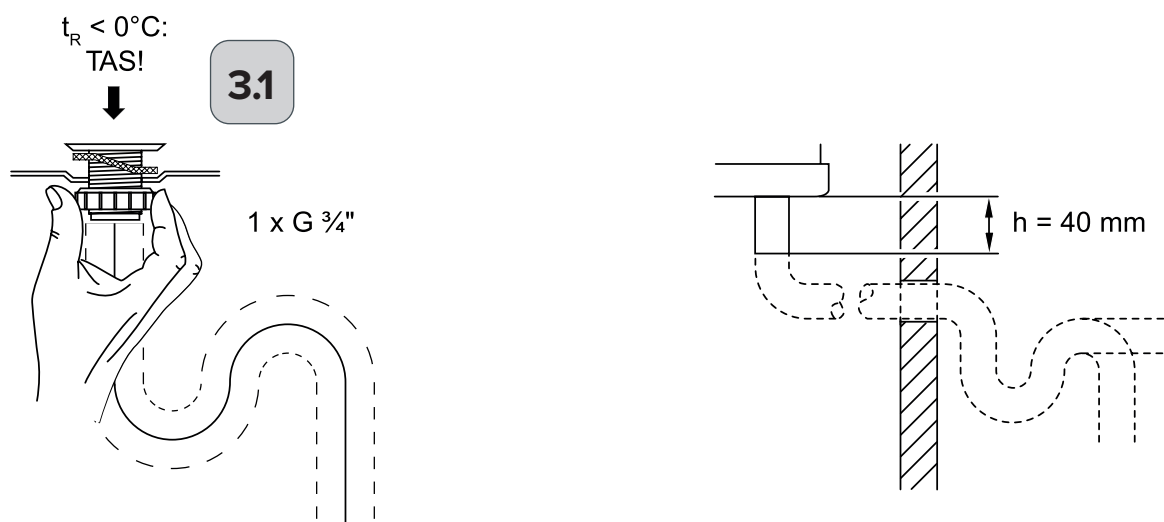
1



2

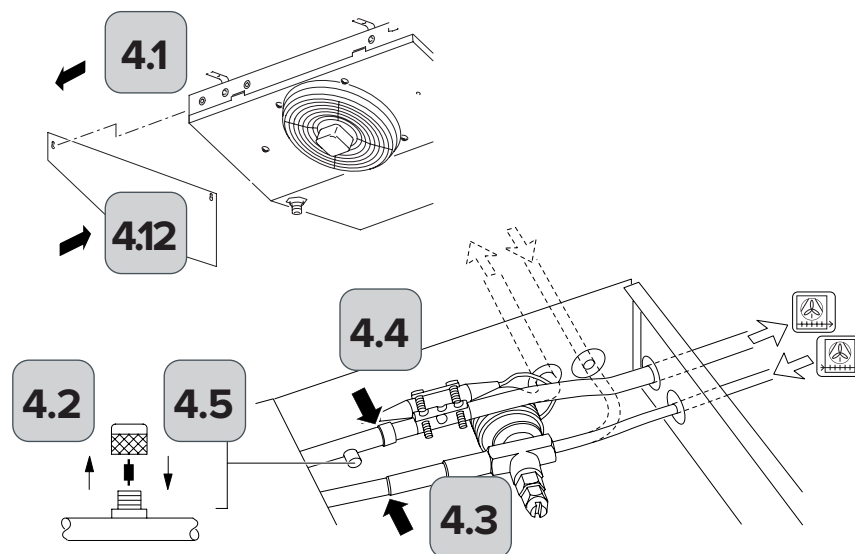


3

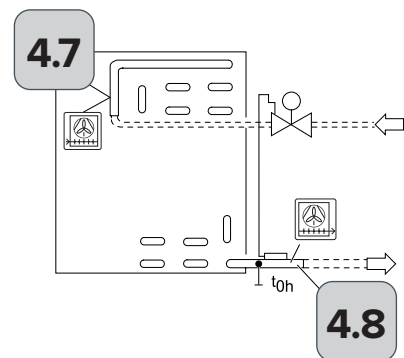


ASSEMBLY

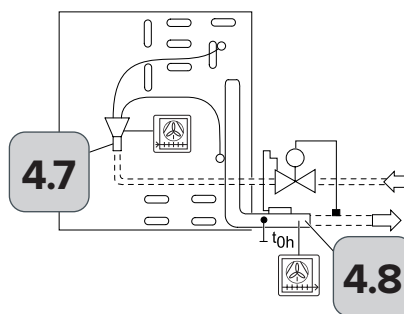
4



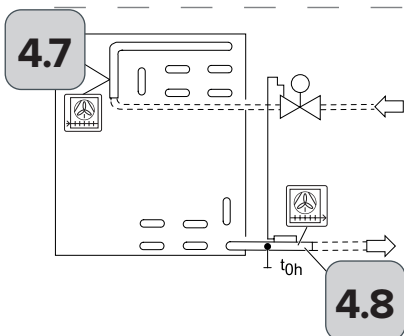
MCC				
	A-Fin Spacing	A-Fin Spacing	B-Fin Spacing	B-Fin Spacing
	ø mm	ø mm	ø mm	ø mm
301-S	10	12	10	12
301-4	10	12	10	12
301-6	10	18	10	18
302-S	10	18	10	18
302-4	12	22	10	22
302-6	12	22	10	22
303-4	12	22	10	22
303-6	12	28	10	28
304-4	12	28	10	28
304-6	15	28	15	28



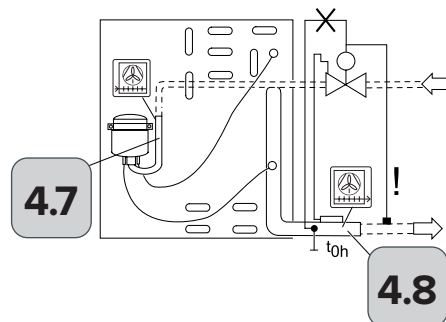
A-Fin Spacing
301-S
301-4
301-6
302-S



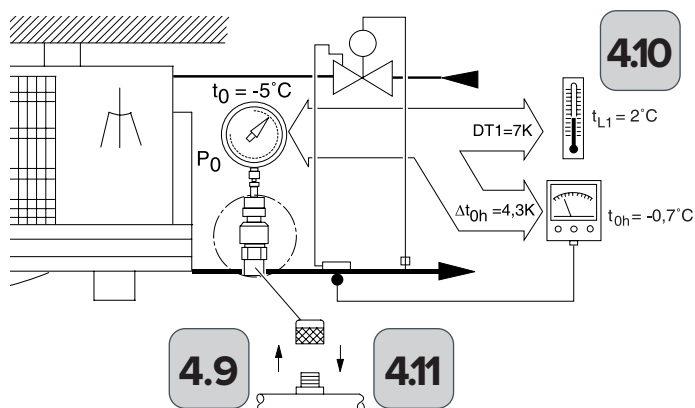
A-Fin Spacing
302-4
302-6
303-4
303-6
304-4
304-6



B-Fin Spacing
301-S
301-4
301-6
302-S



B-Fin Spacing
302-4
302-6
303-4
303-6
304-4
304-6



$$\Delta t_{oh} \approx 0.5 \dots 0.7 \times DT1$$

$$DT1\ 10K \stackrel{\sim}{=} \Delta t_{oh}\ 6.5K$$

$$DT1 \ 9K \approx \Delta t_{0h} \ 5.9 \ K$$

$$DT1 \approx \Delta t_{on} \approx 5.2K$$

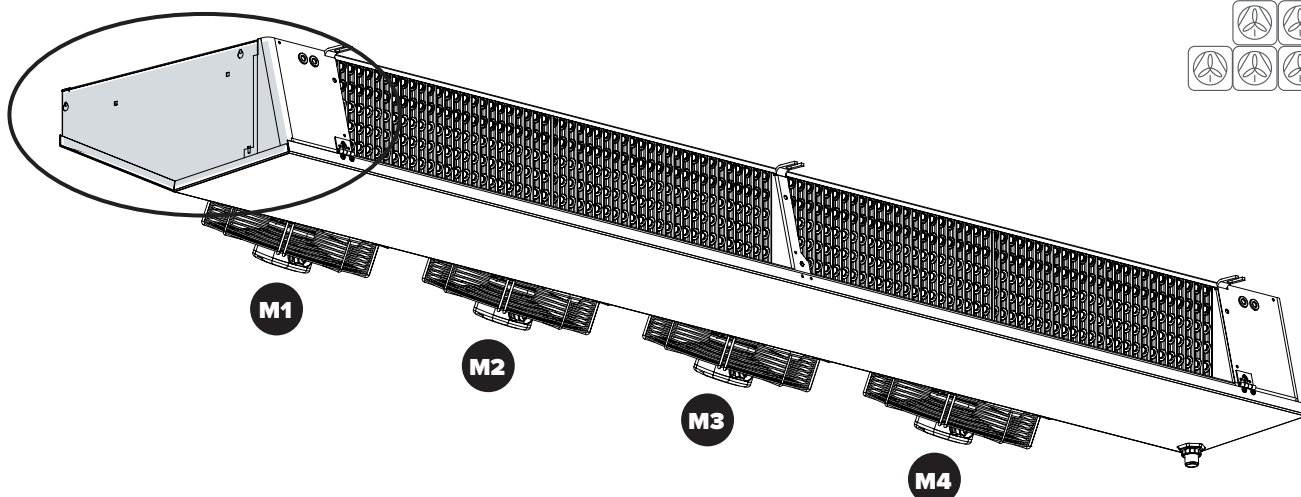
$$\begin{aligned} \text{DT1 } 7\text{K} &= \Delta t_{\text{Oh}} \quad 4.6\text{K} \\ \text{DT1 } 6\text{K} &= \Delta t_{\text{Oh}} \quad 3.9\text{K} \end{aligned}$$

$$\begin{aligned} \text{DT1 } 6\text{K} &= \Delta t_{0h} \text{ } 3.9\text{K} \\ \text{DT1 } 5\text{K} &\approx \Delta t \text{ } 3.3\text{K} \end{aligned}$$

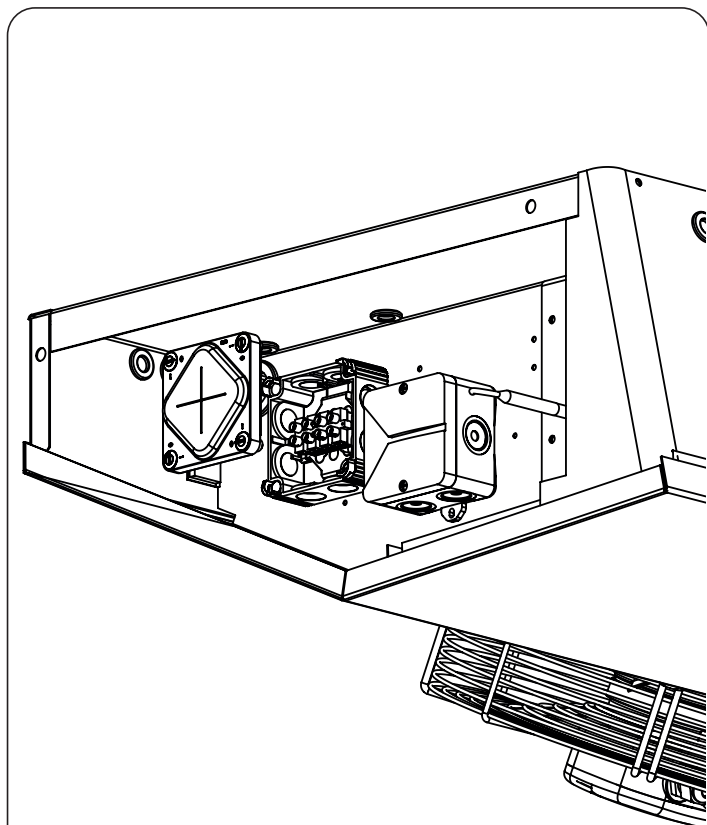
$$\text{DT1 } 5\text{K} \approx \Delta t_{0h} \text{ } 3.3\text{K}$$

$$DTT = 4K - \Delta t_{0h} = 2.9K$$

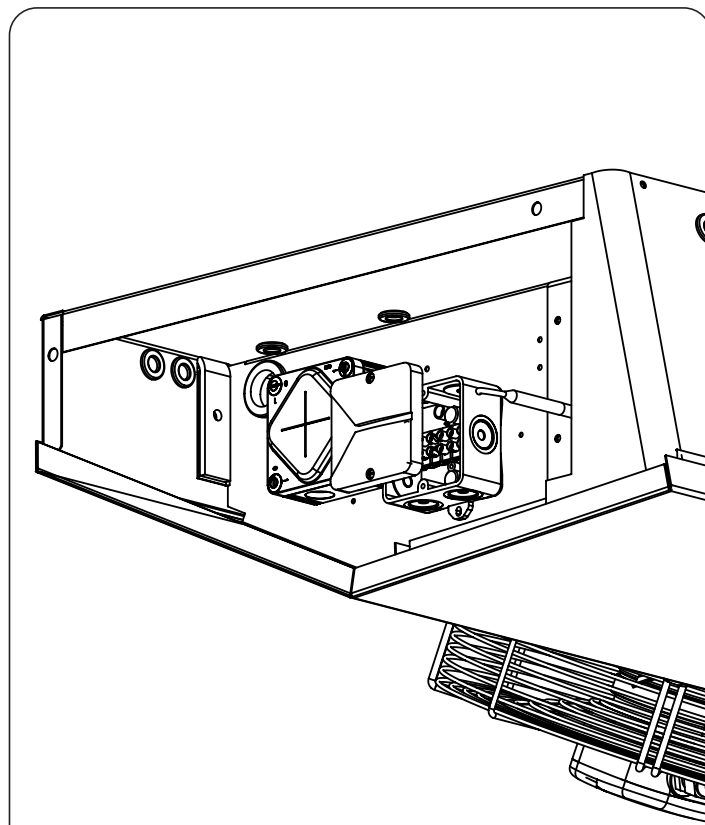
ELECTRIC WIRING

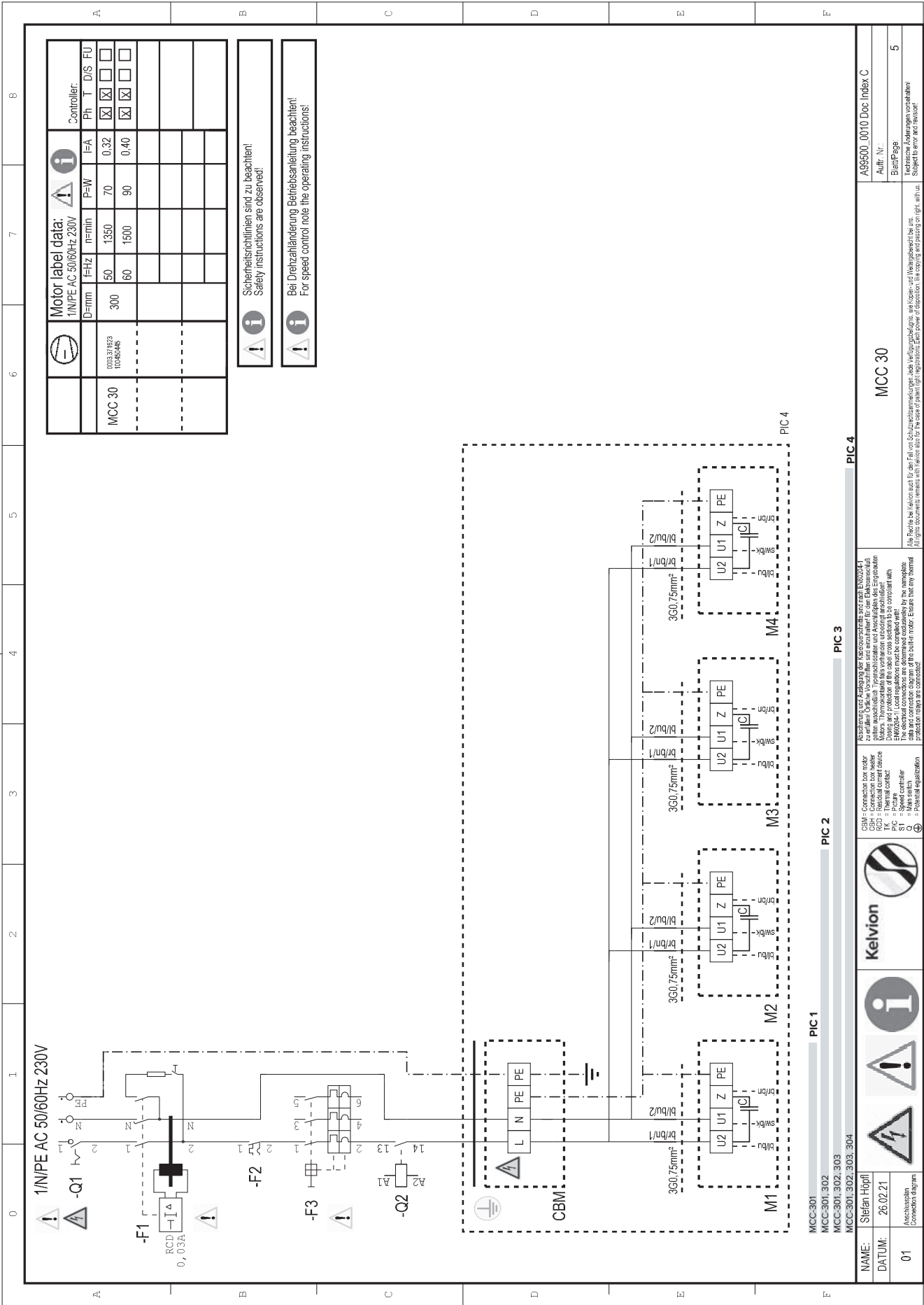


MOTOR



ELECTRIC DEFROST



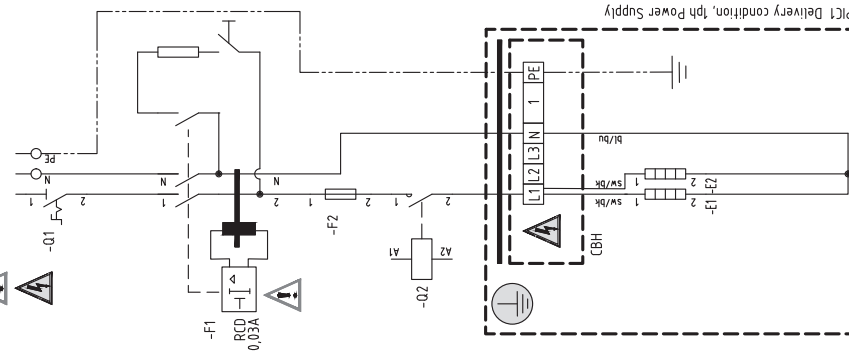




ELECTRIC DEFROST

Kelvion MCC
ELECTRIC WIRING

1/N/PE AC 50/60Hz 230V



MCC 301-S
MCC 302-S
MCC 301-4
MCC 302-4
MCC 303-4
MCC 304-4
MCC 301-6
MCC 302-6
MCC 303-6
MCC 304-6

NAME: RX
DATE: 02.06.23
Anschlussschema
Connection diagram



CBH=Connection box heater
CBH=Connection box heater
TR=Heater Drip Tray
RCD=Residual current device
RCD=Residual current device
PIC=Picture
Q=Main switch
⊕=Potential equalization

Absicherung und Auslegung der Kabelquerschnitte sind nach EN60204-1 zu erfüllen. Empfehlung: Schutzschaltung gD DAZB* unter Beachtung der Durchlassenergie. Offene Vorschriften sind einzuhalten.
Protection and protection of the cable cross-sections to be compliant with EN60204-1. Recommendation: Protection circuit gD DAZB* under consideration of the let-through energy. Open regulations must be complied with!

MCC-30

A99500_001_Doc_1_Index_C
Auftr. Nr.:
Blatt/Page:
1/1
Technische Änderungen vorbehalten!
Subject to error and revision!

MCC

Standard/Series																					
Wiring diagram number: A99500_0011 Doc 2; Index C)																					
Type		Heater coil				Heater Drip Tray				Quantity of heating circuits		PIC		PIC		L1					
MCC	Coil Length	Quantity	Length	Power	Shape	Quantity	Length	Power	Shape	Quantity of heating circuits	Heating circuits Nb	on the wiring diagram	on the wiring diagram	Heater coil	Heater Drip Tray	Heater Drip Tray	Heater coil	Heater Drip Tray			
Type	L [mm]	Coil	L [mm]	P [W]		Drip Tray	L [mm]	P [W]			[Nb]			Coil [pcs]	T [pcs]	T(R) [pcs]	Coil [pcs]	T [pcs]			
MCC	Coil Length																				
301-S	500	2	1500	535	U114					1	CBH1	1		2							
301-4	600	2	1600	575	U114					1	CBH1	1		2							
301-6	600	2	1600	575	U114					1	CBH1	1		2							
302-S	1000	2	2400	880	U114					1	CBH1	1		2							
302-4	1200	2	2800	1035	U114					1	CBH1	1		2							
302-6	1200	2	2800	1035	U114					1	CBH1	1		2							
303-4	1800	2	4000	1490	U114					1	CBH1	1		2							
303-6	1800	2	4000	1490	U114					1	CBH1	1		2							
304-4	2400	2	5200	1950	U114					1	CBH1	1		2							
304-6	2400	2	5200	1950	U114					1	CBH1	1		2							

Operating voltage of the Heater | Betriebsspannung der Heizung: 230V 50/60Hz

CBH Connection Box Heater Heizkreis														CBHR Connection Box Heater Return Heizkreis Rückführung				
L2		L3						1/N/PE 50/60 Hz	3 / N / PE 50/60 Hz									
Heater Drip Tray	Heater Drip Tray	Heater coil	Heater Drip Tray	Heater Drip Tray	Power Total	Power Coil	Power Drip Tray Pan	Current Total	Current	Current	Current	SKS	Junction box Conn. box with earthing cable	Heating circuit nb	Junction box connec- tion box	Cable Cross sec. for Cable Return BOM	Cable Length for Cable Return BOM	
T	T (R)		T	T (R)				L1	L1	L2	L3							
[pcs]	T(R) [pcs]	Coil [pcs]	T [pcs]	T(R) [pcs]	P [KW]	P [KW]	P [KW]	P [KW]	I [A]	I [A]	I [A]	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]	
					1,07	1,07	-	4,7	4,7	0,0	0,0	4	ABO025					
					1,15	1,15	-	5,0	5,0	0,0	0,0	3	ABO025					
					1,15	1,15	-	5,0	5,0	0,0	0,0	3	ABO025					
					1,76	1,76	-	7,7	7,7	0,0	0,0	3	ABO025					
					2,07	2,07	-	9,0	9,0	0,0	0,0	3	ABO025					
					2,07	2,07	-	9,0	9,0	0,0	0,0	3	ABO025					
					2,98	2,98	-	13,0	13,0	0,0	0,0	3	ABO025					
					2,98	2,98	-	13,0	13,0	0,0	0,0	3	ABO025					
					3,90	3,90	-	17,0	17,0	0,0	0,0	3	ABO025					
					3,90	3,90	-	17,0	17,0	0,0	0,0	3	ABO025					

www.kelvion.com