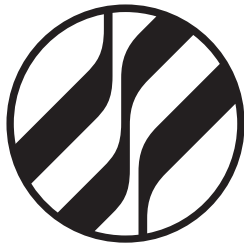
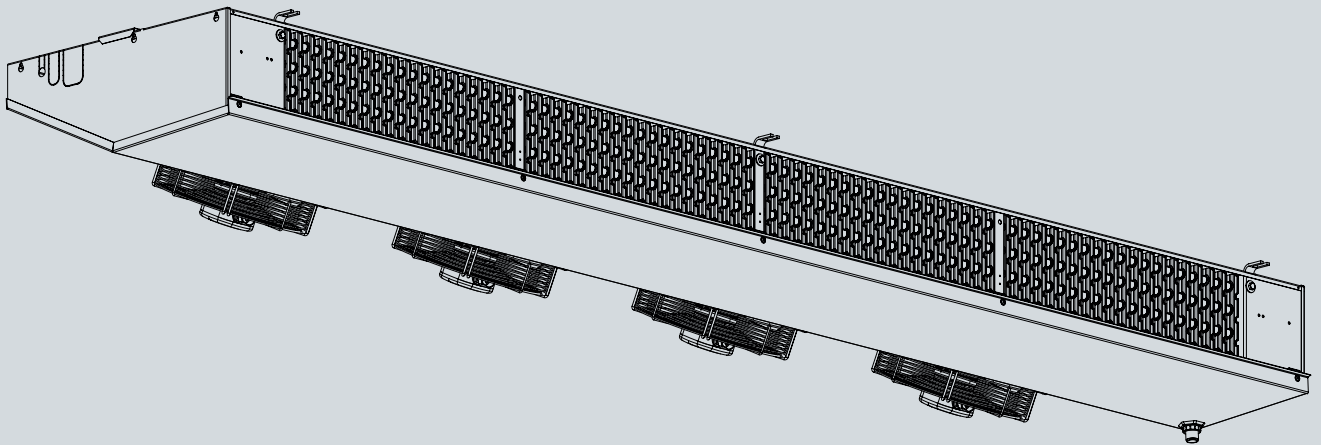
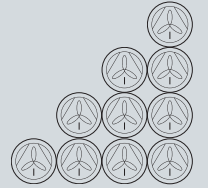


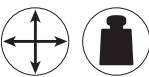
Kelvion



Kelvion MCK

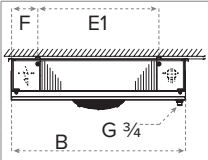


MOUNTING GUIDE

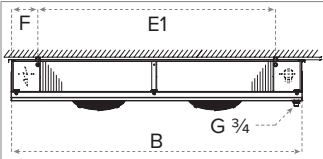


DIMENSIONS & WEIGHTS

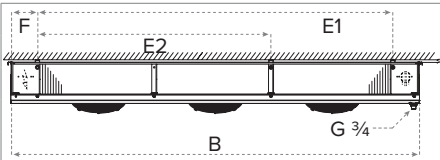
Type	H _{±5}	B _{±5}	T _{±5}	L _{±5}	F _{±3}
MCK	mm	mm	mm	mm	mm



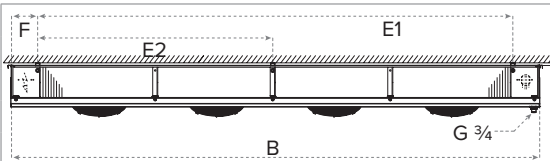
MCK-301-4	260	1080	660	672	175
MCK-301-5	260	1080	660	672	175
MCK-301-6	260	1080	660	672	175
—	—	—	—	—	—
—	—	—	—	—	—



MCK-302-4	260	1780	660	672	175
MCK-302-5	260	1780	660	672	175
MCK-302-6	260	1780	660	672	175
—	—	—	—	—	—
—	—	—	—	—	—



MCK-303-5	260	2480	660	672	175
MCK-303-6	260	2480	660	672	175
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—



MCK-304-5	260	3180	660	672	175
MCK-304-6	260	3180	660	672	175
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

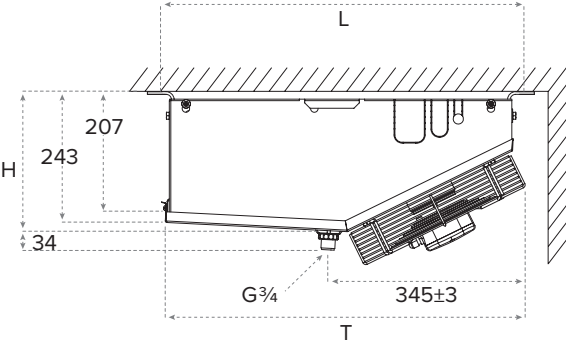
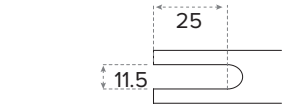
Type	E1 _{±5}	E2 _{±5}	B _{min}	W _{min}	Weight	
MCK	mm	mm	mm	mm	kg	
					net	gross

MCK-301-4	530	—	700	100	26	29
MCK-301-5	630	—	800	100	27	30
MCK-301-6	630	—	800	100	31	34
—	—	—	—	—	—	—
—	—	—	—	—	—	—

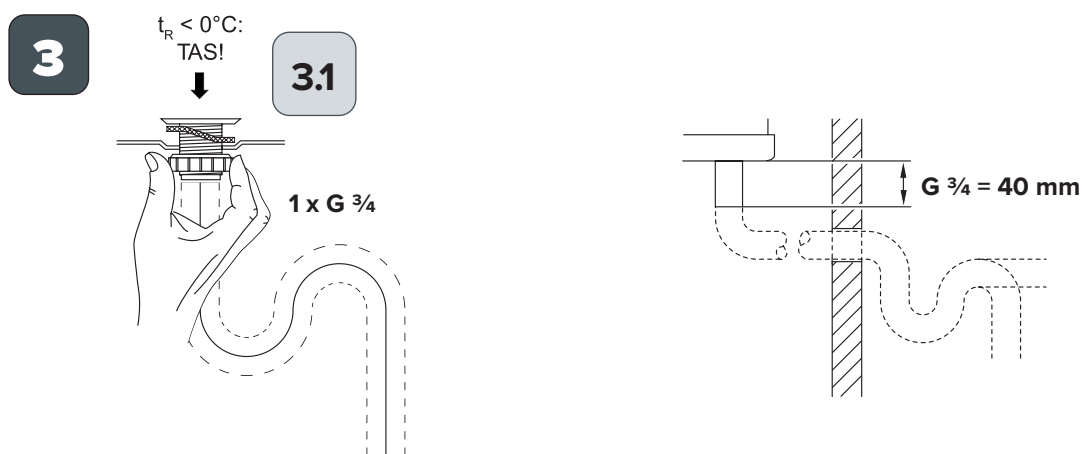
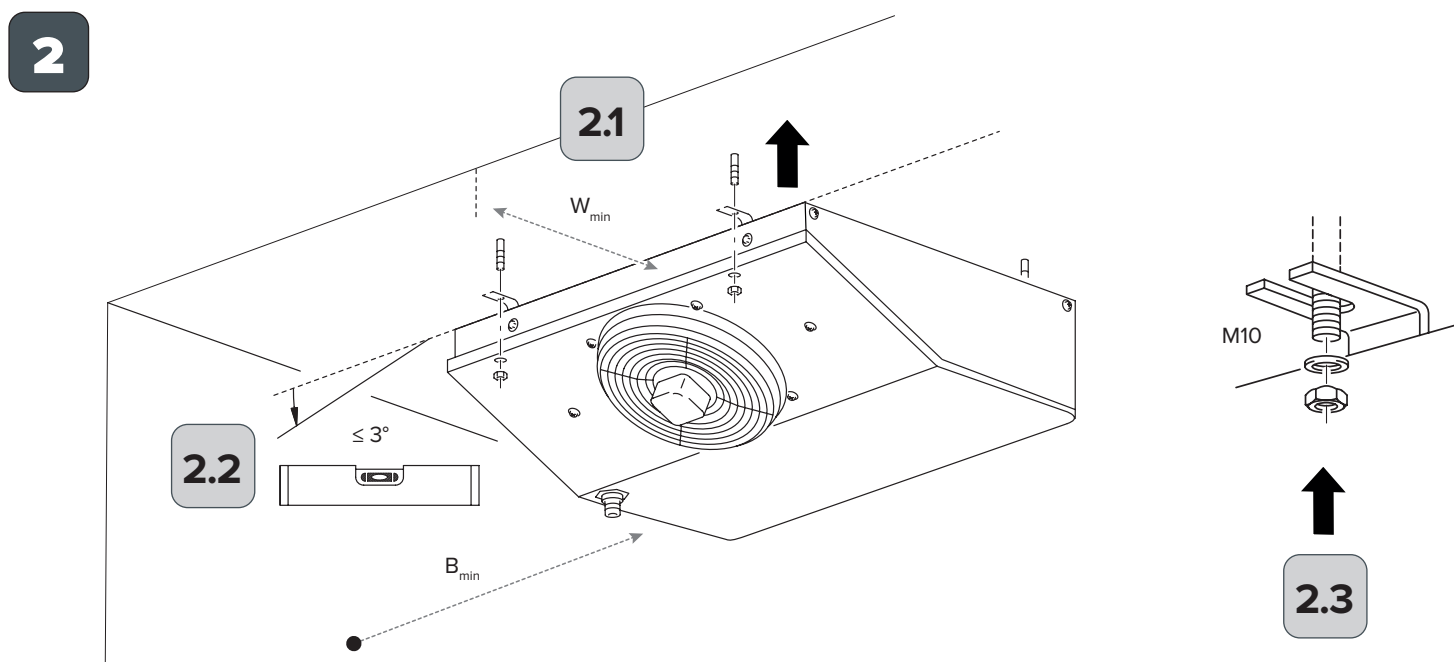
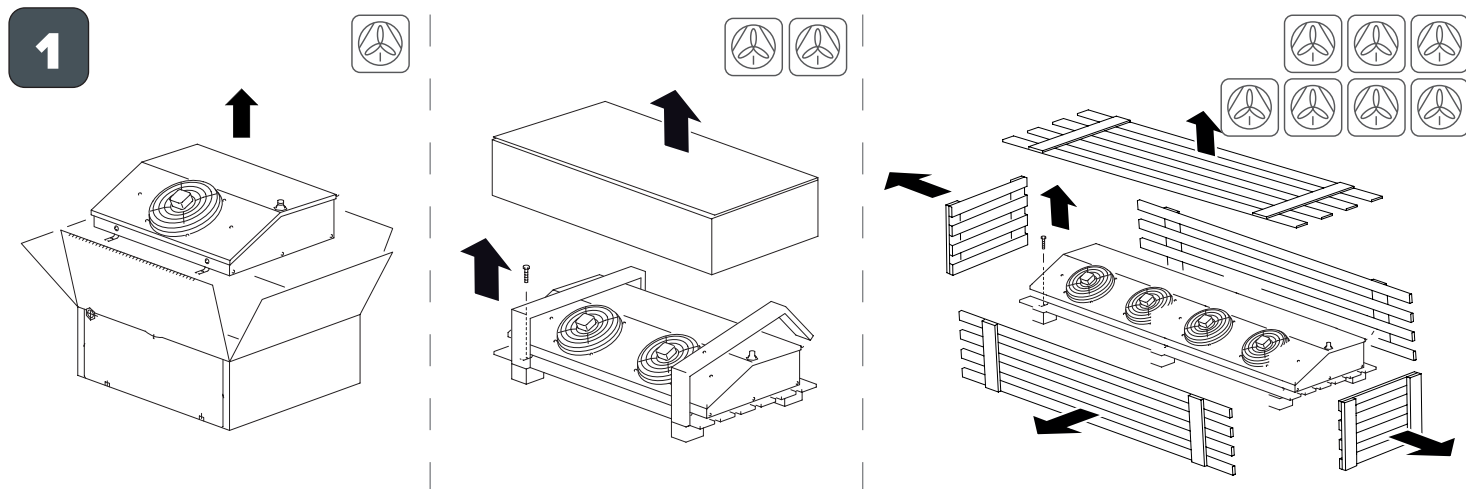
MCK-302-4	1030	—	1200	100	45	50
MCK-302-5	1230	—	1400	100	47	52
MCK-302-6	1230	—	1400	100	54	59
—	—	—	—	—	—	—
—	—	—	—	—	—	—

MCK-303-5	1830	629	2000	100	67	75
MCK-303-6	1830	629	2000	100	73	80
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—

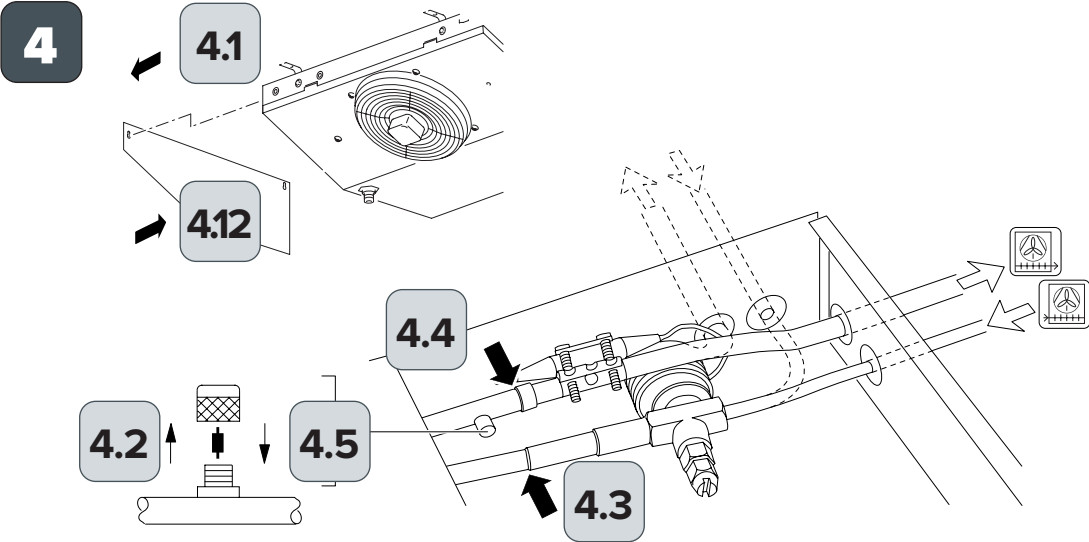
MCK-304-5	2430	1229	2600	100	79	102
MCK-304-6	2430	1229	2600	100	87	114
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—



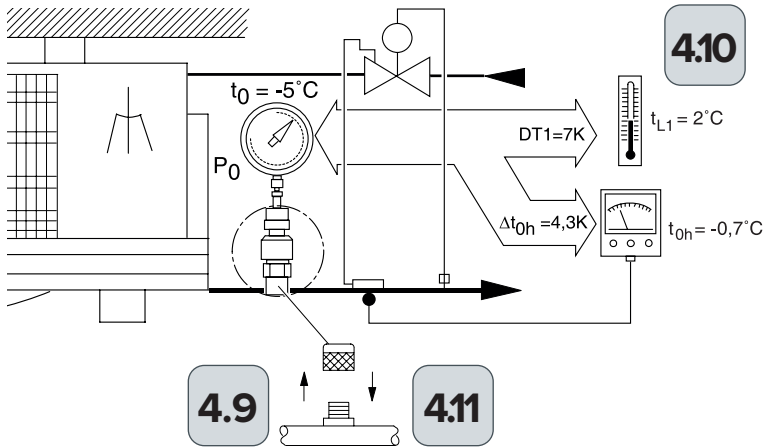
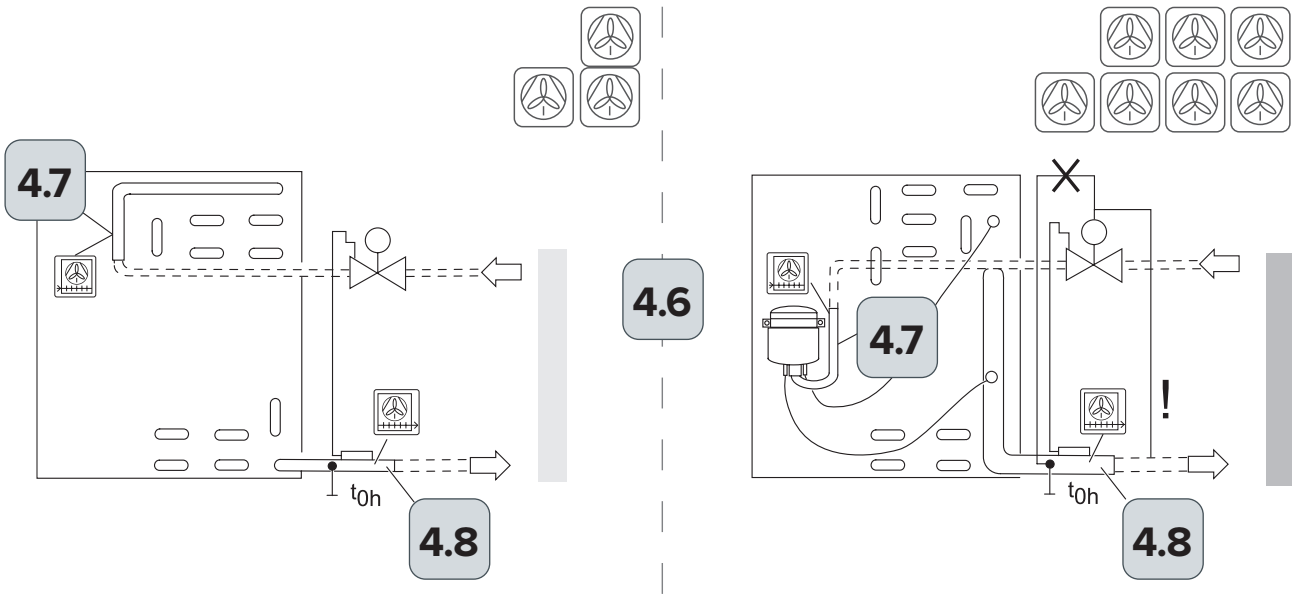
ASSEMBLY



 ASSEMBLY



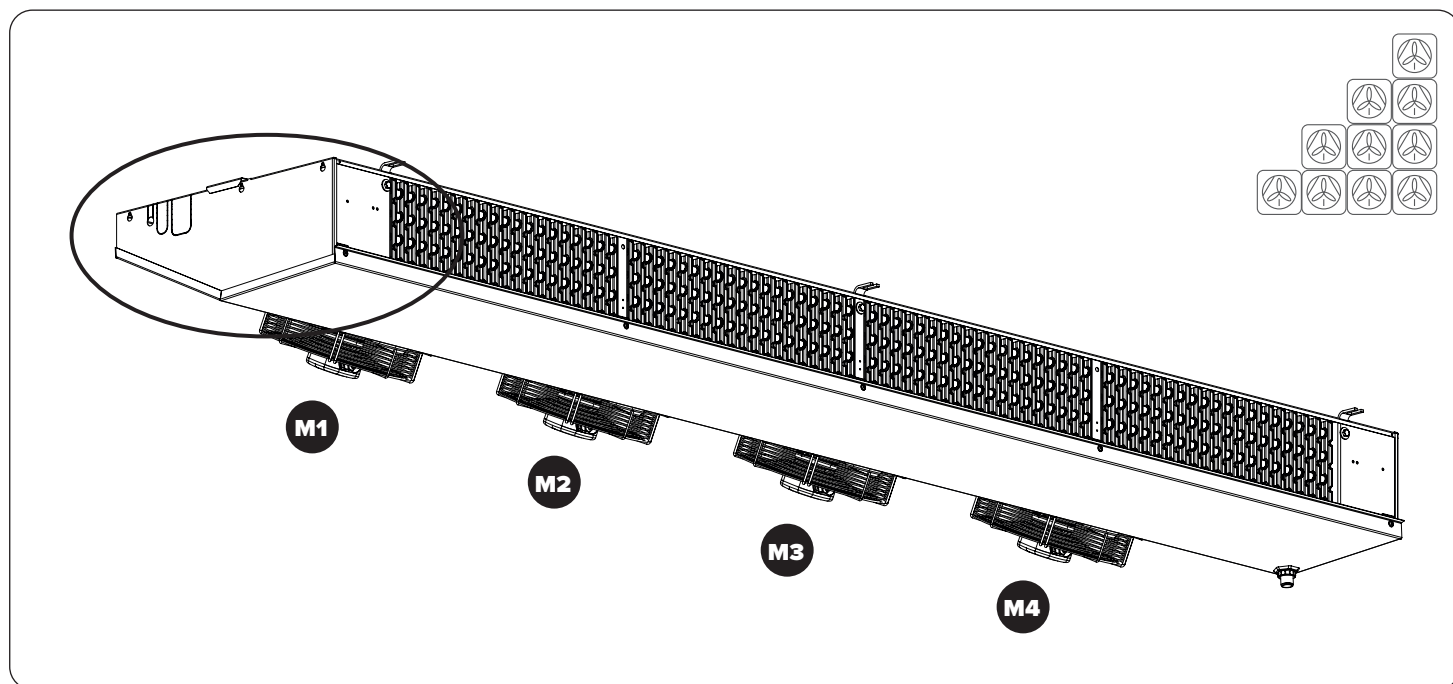
MCK		
	A-Fin Spacing	B-Fin Spacing
	ø mm	ø mm
MCK-301-4	12	15
MCK-301-5	12	15
MCK-301-6	12	15
MCK-302-4	12	15
MCK-302-5	12	22
MCK-302-6	12	22
MCK-303-5	10	22
MCK-303-6	10	28
MCK-304-5	10	28
MCK-304-6	10	28



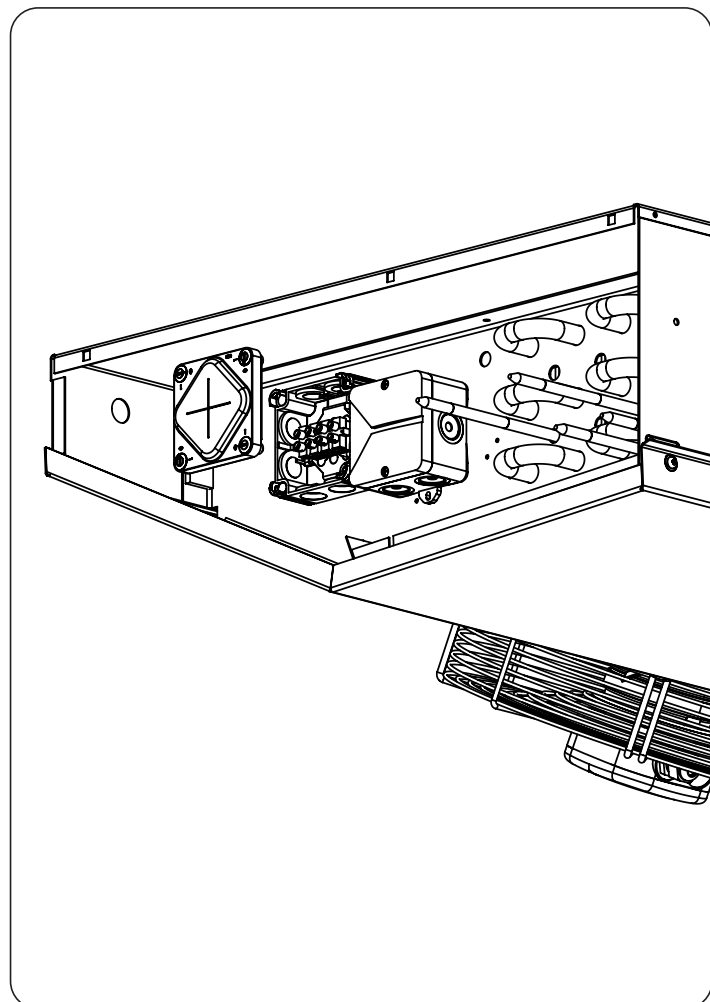
$$\Delta t_{0h} \approx 0.5 \dots 0.7 \times DT1$$

DT1 10K	$\approx \Delta t_{0h} 6.5K$
DT1 9K	$\approx \Delta t_{0h} 5.9K$
DT1 8K	$\approx \Delta t_{0h} 5.2K$
DT1 7K	$\approx \Delta t_{0h} 4.6K$
DT1 6K	$\approx \Delta t_{0h} 3.9K$
DT1 5K	$\approx \Delta t_{0h} 3.3K$
DT1 4K	$\approx \Delta t_{0h} 2.6K$

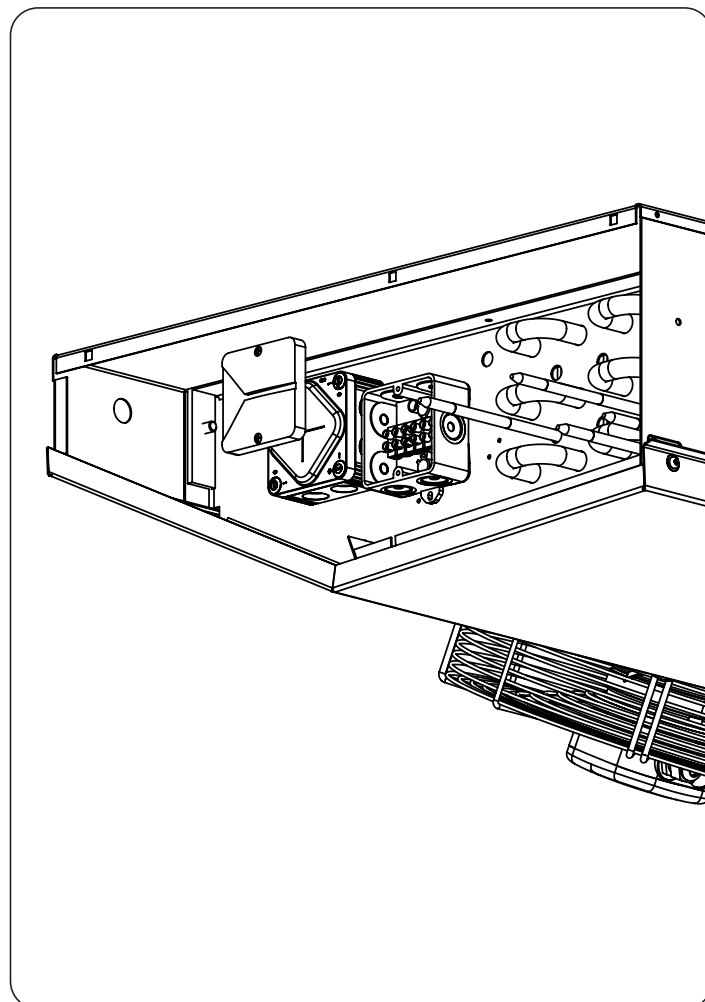
ELECTRIC WIRING

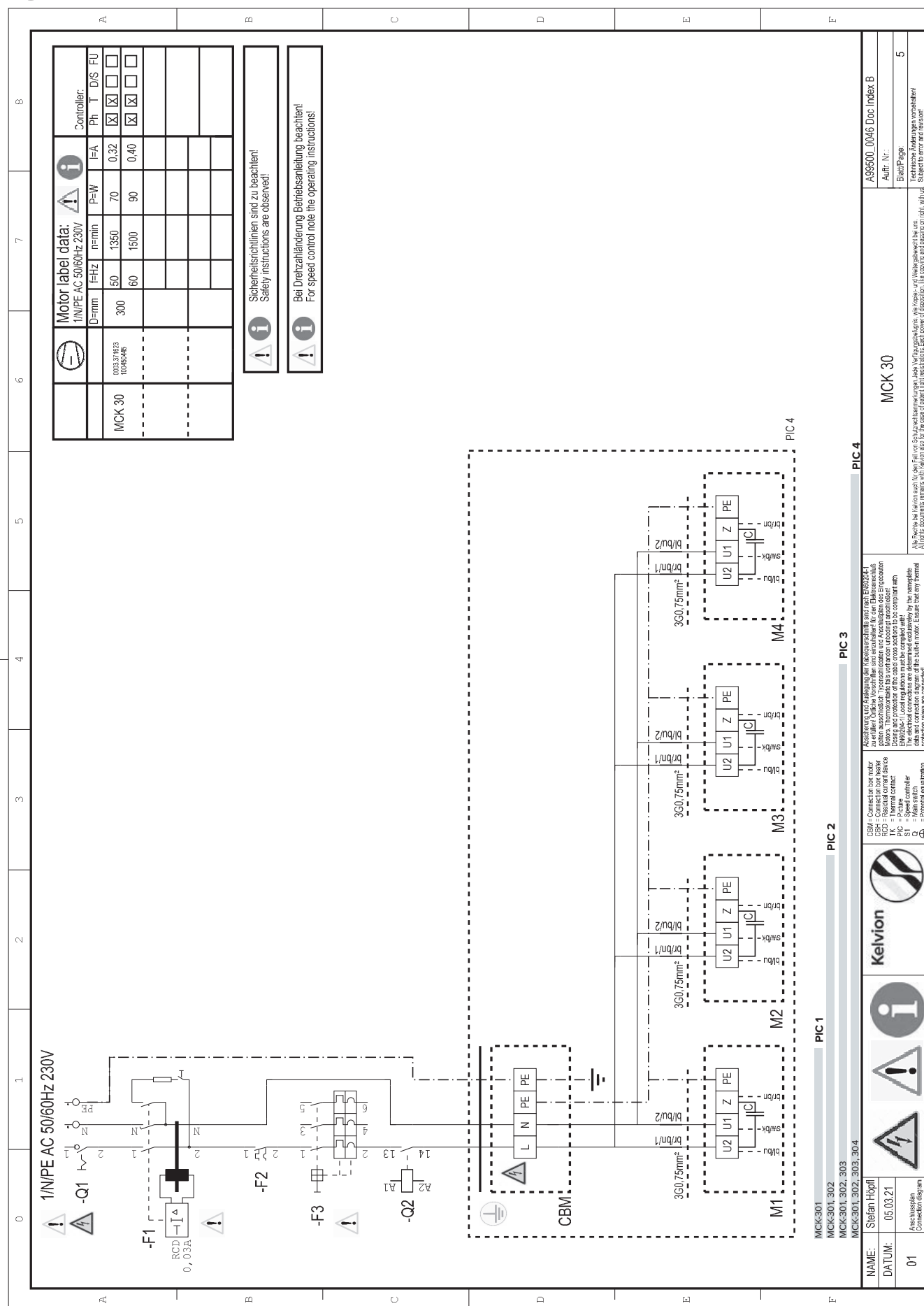


MOTOR



ELECTRIC DEFROST





The diagrams illustrate the wiring for different MCC models, categorized by power supply type and terminal configuration.

PIC1 Delivery condition. 3ph Power Supply

PIC2 Alternatively, L1,L2,L3 bridge setting by customer

PIC3 Delivery condition. 3ph Power Supply

PIC3 Alternatively, L1,L2,L3 bridge setting by customer

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

3/N/PE AC 50/60Hz 400V

The diagrams show the connection of the power supply to the MCC terminals, including the main switch, fuses, and the terminal block. The terminal block is labeled with L1, L2, L3, N, and PE. The MCC models are listed as MCK-301-4, MCK-302-4, MCK-301-5, MCK-302-5, MCK-301-6, MCK-302-6, MCK-303-5, and MCK-303-6.

NAME: RX		  			CSM=connection box motor CSM=connection box heater CSM=connection box fan RCM=Residual current device TK =Thermal contact 0 =Main switch ⊕ =Potential equalization	Abzeichnung und Auslegung der Kabelquerschnitte sind nach EN60204-1 zu erfüllen! Empfehlung: Sammelzählung ge. IMAZED-Unter Beachtung der Durchflussenergie! Mithilfe Verschriften sind einzuhalten! Design and protection of the cable cross-sections to be compliant with current and voltage ratings! Local regulations must be complied with!	MCK-304-5 MCK-304-6 MCK-304-6	MCK-30	A99500_0024_Doc_1 Index C	AUTR. Nr.:	Blatt/Page:	Technische Änderungen vorbehalten! Subject to error and revision!
DATE: 06.06.23												
Anschlussskizze (Connection diagram)		0	1	2	3	4	5	6	7	8	9	

MCK

Standard/Series																					
Wiring diagram number: A99500_0024 Doc 2; Index C)																					
Type		Heater coil				Heater Drip Tray				Quantity of heating circuits	Heating circuits Nb	PIC on the wiring diagram	PIC on the wiring diagram	L1							
MCK	Coil Length	Quantity	Length	Power	Shape	Quantity	Length	Power	Shape					Heater coil	Heater Drip Tray	Heater Drip Tray	Heater coil	He			
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]			
MCK	Coil Length																				
301-4	700	1	1900	690	U100	1	2100	765	Q200	1	CBH1	1		1	1 T						
301-5	700	2	1900	690	U100	1	2100	765	Q200	1	CBH1	2.1	2.2	1			1				
301-6	700	2	1900	690	U100	1	2100	765	Q200	1	CBH1	2.1	2.2	1			1				
302-4	1400	1	3250	1210	U100	1	3500	1300	Q200	1	CBH1	1		1	1 T						
302-5	1400	2	3250	1210	U100	1	3500	1300	Q200	1	CBH1	2.1	2.2	1			1				
302-6	1400	2	3250	1210	U100	1	3500	1300	Q200	1	CBH1	2.1	2.2	1			1				
303-5	2100	2	4600	1720	U100	1	4800	1800	Q200	1	CBH1	2.1	2.2	1			1				
303-6	2100	2	4600	1720	U100	1	4800	1800	Q200	1	CBH1	2.1	2.2	1			1				
304-5	2800	4	3100	1145	L95	2	3100	1145	L95	1	CBH1	3.1	3.2	1			2				
304-6	2800	4	3100	1145	L95	2	3100	1145	L95	1	CBH1	3.1	3.2	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)	P [KW]	P [KW]	P [KW]	L1	L1	L2	L3	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]	
					1,46	0,69	0,77	6,3	6,3	0,0	0,0	4	ABO025					
			1 T		2,15	1,38	0,77	9,3	3,0	3,0	3,3	4	ABO025					
			1 T		2,15	1,38	0,77	9,3	3,0	3,0	3,3	4	ABO025					
					2,51	1,21	1,30	10,9	10,9	0,0	0,0	3	ABO025					
			1 T		3,72	2,42	1,30	16,2	5,3	5,3	5,7	3	ABO025					
			1 T		3,72	2,42	1,30	16,2	5,3	5,3	5,7	3	ABO025					
			1 T		5,24	3,44	1,80	22,8	7,5	7,5	7,8	3	ABO025					
			1 T		5,24	3,44	1,80	22,8	7,5	7,5	7,8	3	ABO025					
		1		2 T(R)	5,15	4,58	0,57	22,4	5,0	10,0	7,5	4	ABO025	CBHR1	ABO025	2,5	3,95	
		1		2 T(R)	5,15	4,58	0,57	22,4	5,0	10,0	7,5	4	ABO025	CBHR1	ABO025	2,5	3,95	

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