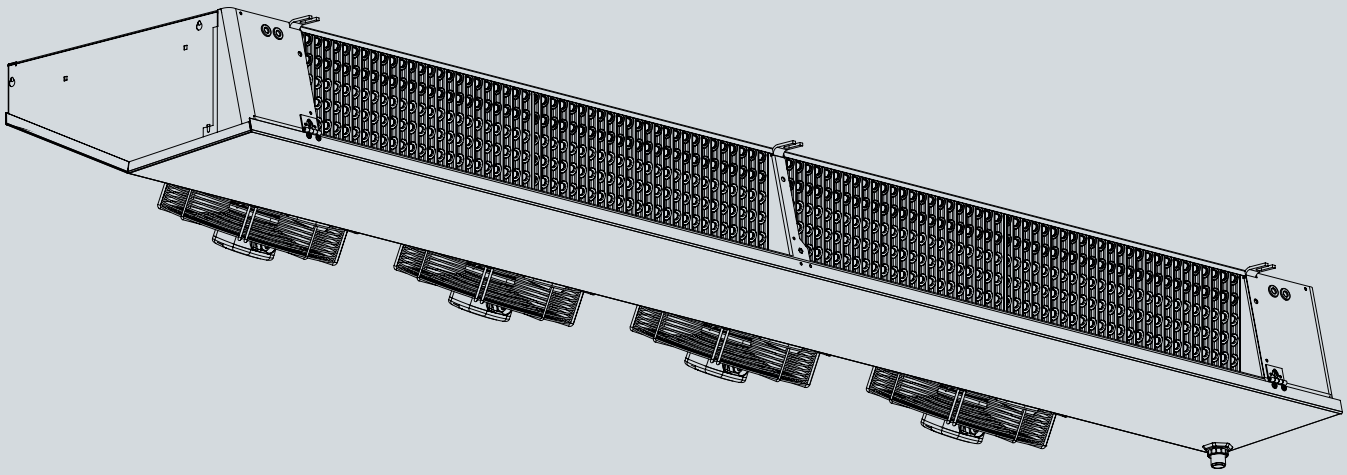
Kelvion

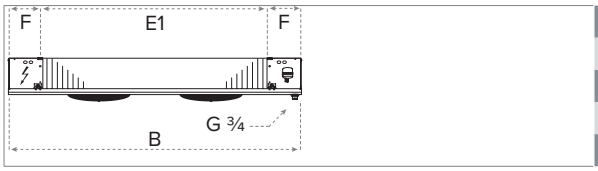
Kelvion MCC

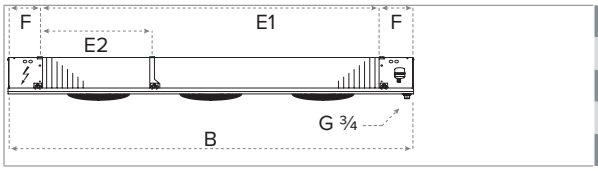


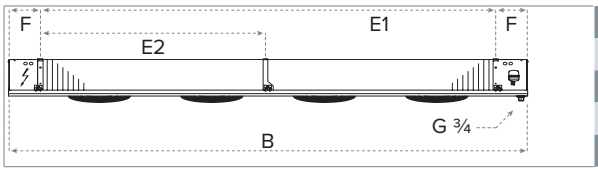
MOUNTING GUIDE

Kelvion

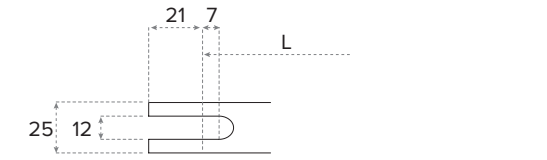
DIMENSIONS & WEIGHTS

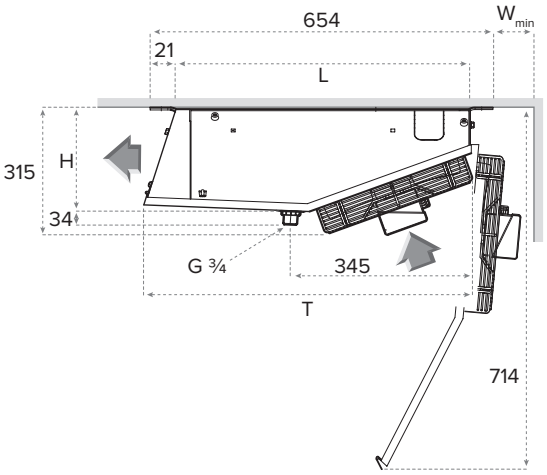






Type	$H_{\pm 5}$	$B_{\pm 5}$	$T_{\pm 5}$	$L_{\pm 5}$	$F_{\pm 3}$
MCC	mm	mm	mm	mm	mm
MCC-301-S	268	872	626	612	171
MCC-301-4	268	972	626	612	171
MCC-301-6	268	972	626	612	171
–	–	–	–	–	–
–	–	–	–	–	–
MCC-302-S	268	1372	626	612	171
MCC-302-4	268	1572	626	612	171
MCC-302-6	268	1572	626	612	171
–	–	–	–	–	–
–	–	–	–	–	–
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
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–

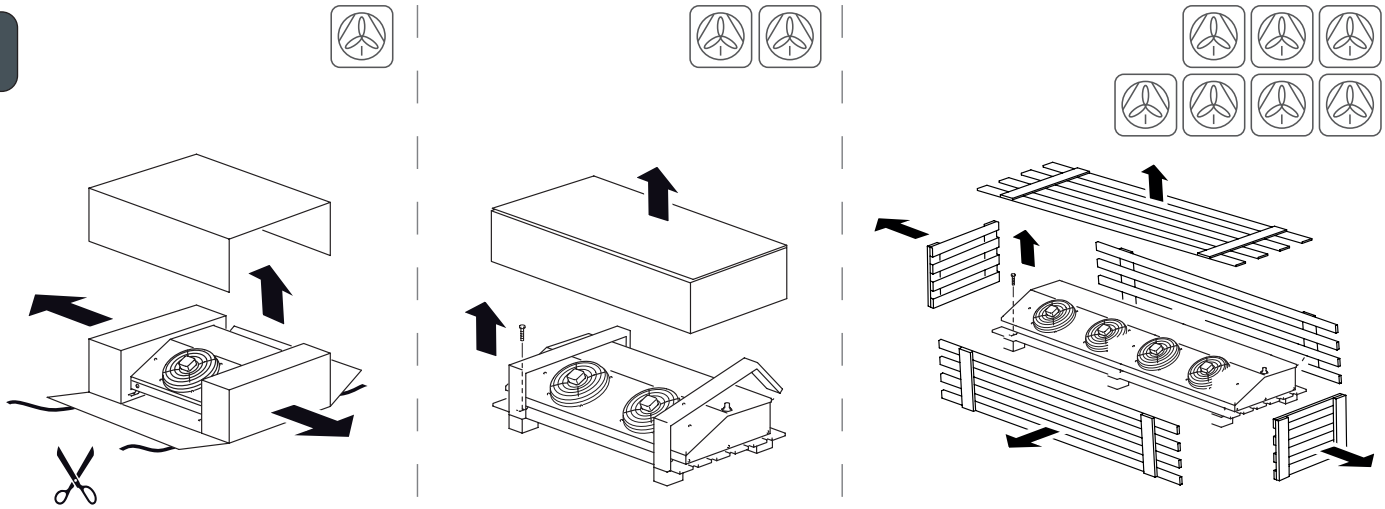




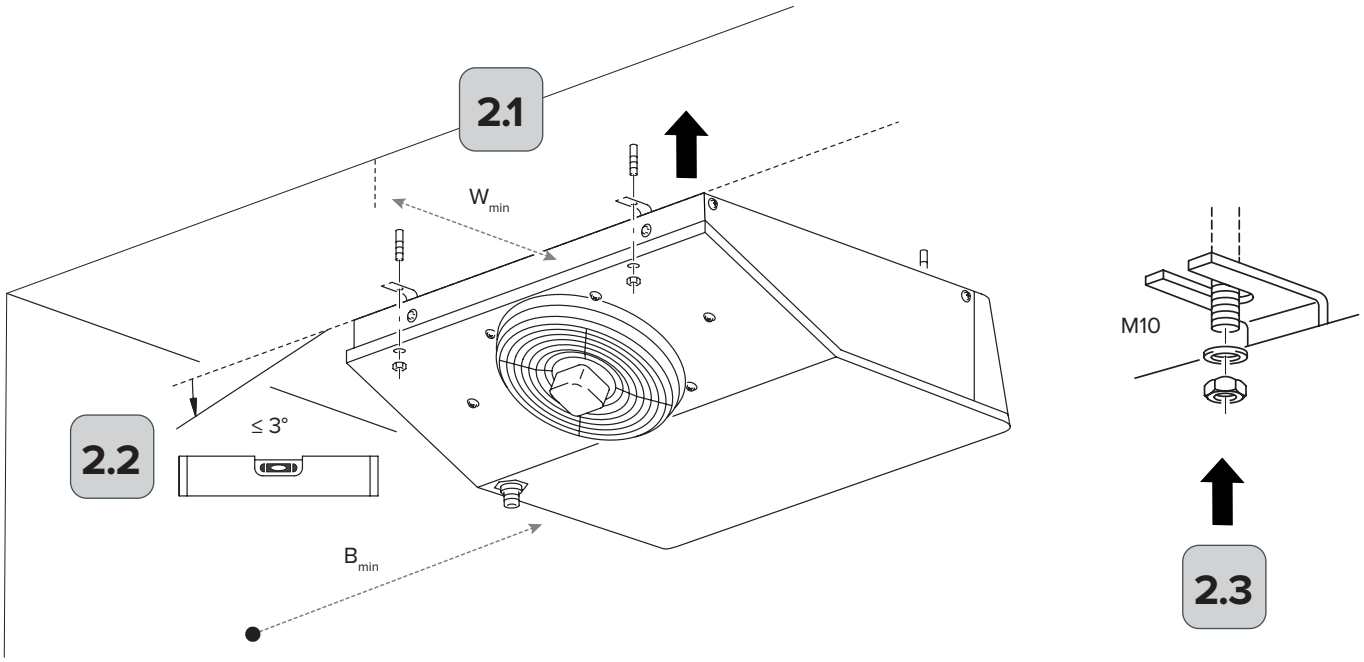
Type	$E1_{\pm 5}$	$E2_{\pm 5}$	B_{min}	W_{min}	Weight	
MCC	mm	mm	mm	mm	kg	
					net	gross
MCC-301-S	530	–	700	100	20	23
MCC-301-4	630	–	800	100	23	26
MCC-301-6	630	–	800	100	25	28
–	–	–	–	–	–	–
–	–	–	–	–	–	–
MCC-302-S	1030	–	1200	100	32	54
MCC-302-4	1230	–	1400	100	37	60
MCC-302-6	1230	–	1400	100	40	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

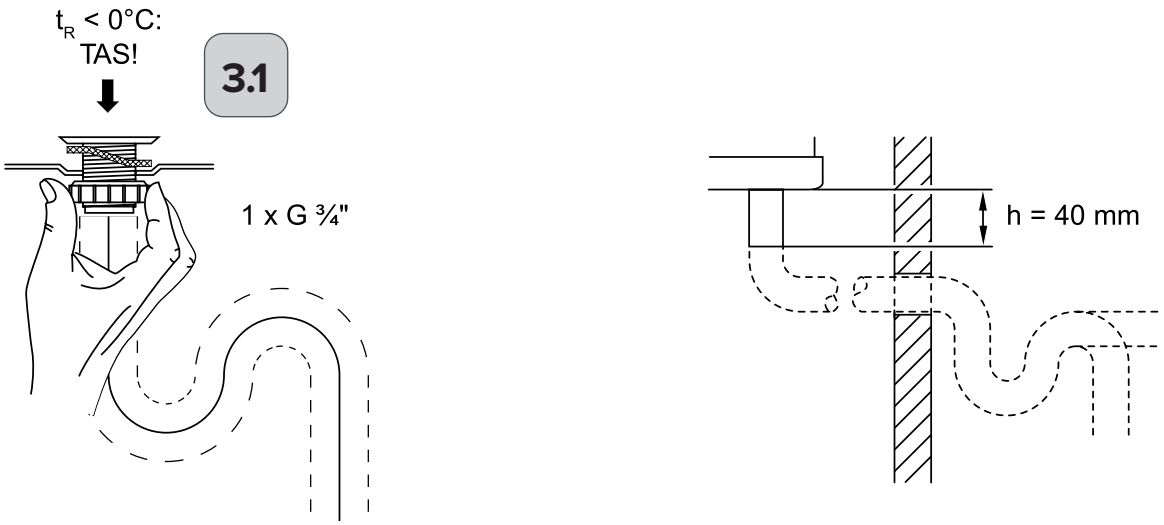
1



2



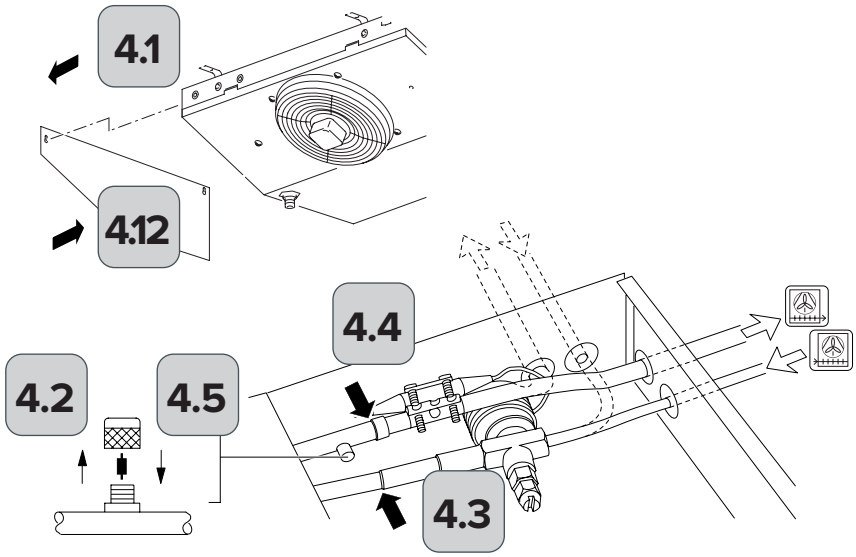
3



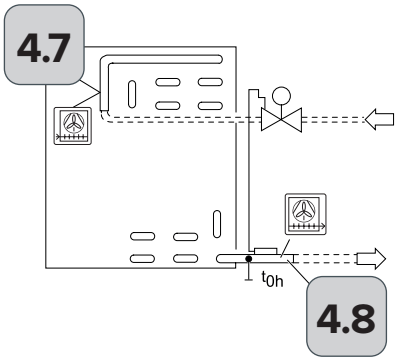
Kelvion

ASSEMBLY

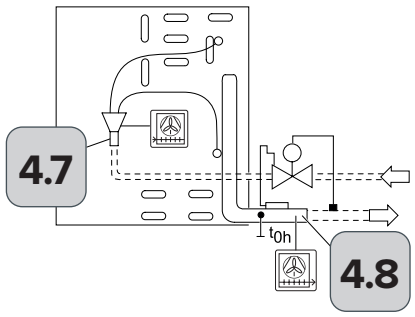
4



MCC	A-Fin Spacing ø mm	A-Fin Spacing ø mm	B-Fin Spacing ø mm	B-Fin Spacing 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

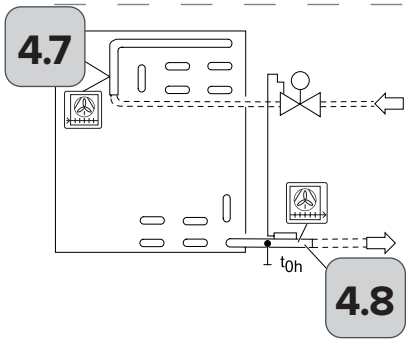


A-Fin Spacing
301-S
301-4
301-6
302-S

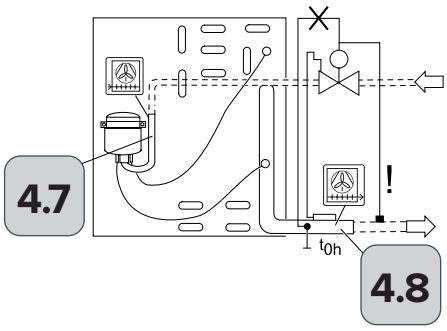


A-Fin Spacing
302-4
302-6
303-4
303-6
304-4
304-6

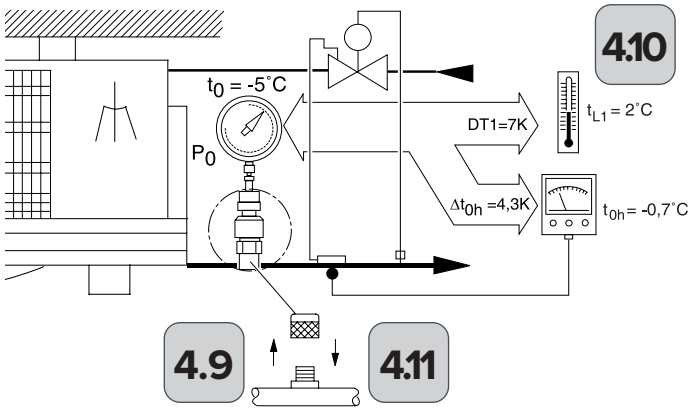
4.6



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



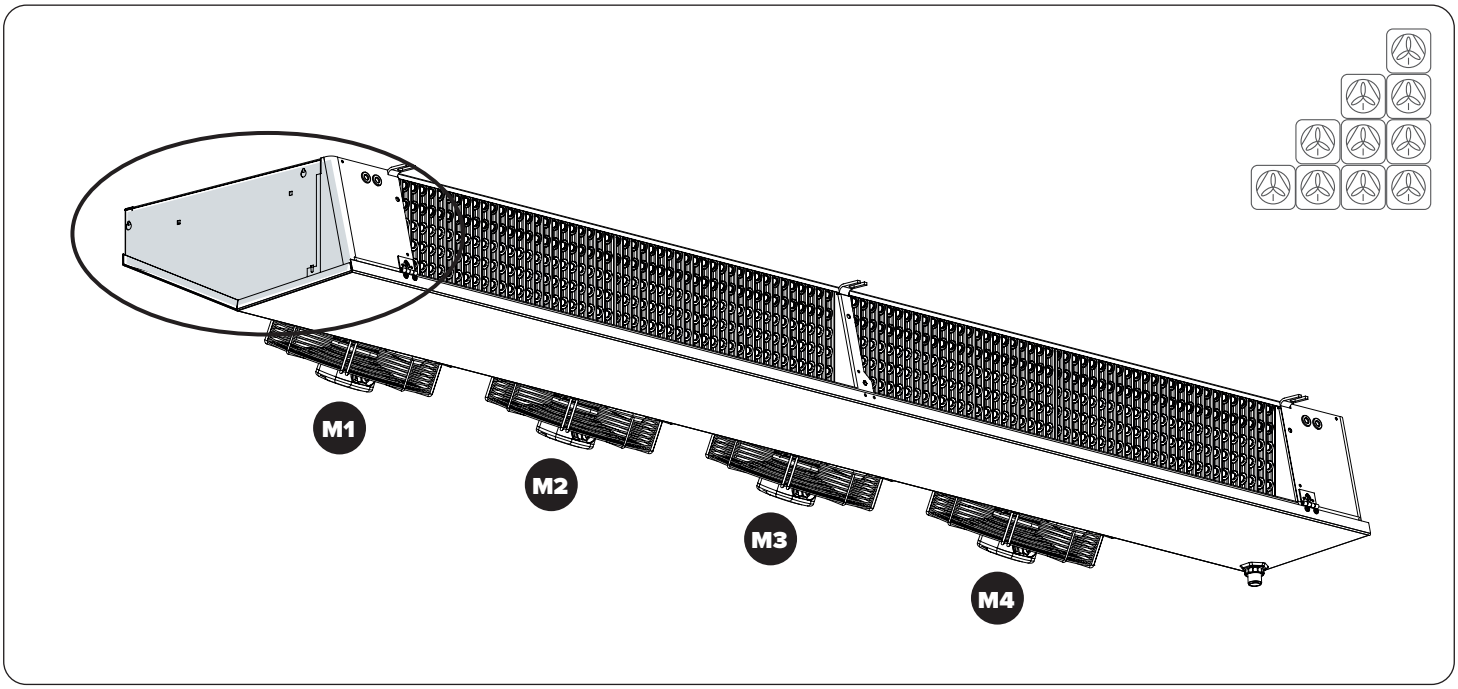
B-Fin Spacing
302-4
302-6
303-4
303-6
304-4
304-6



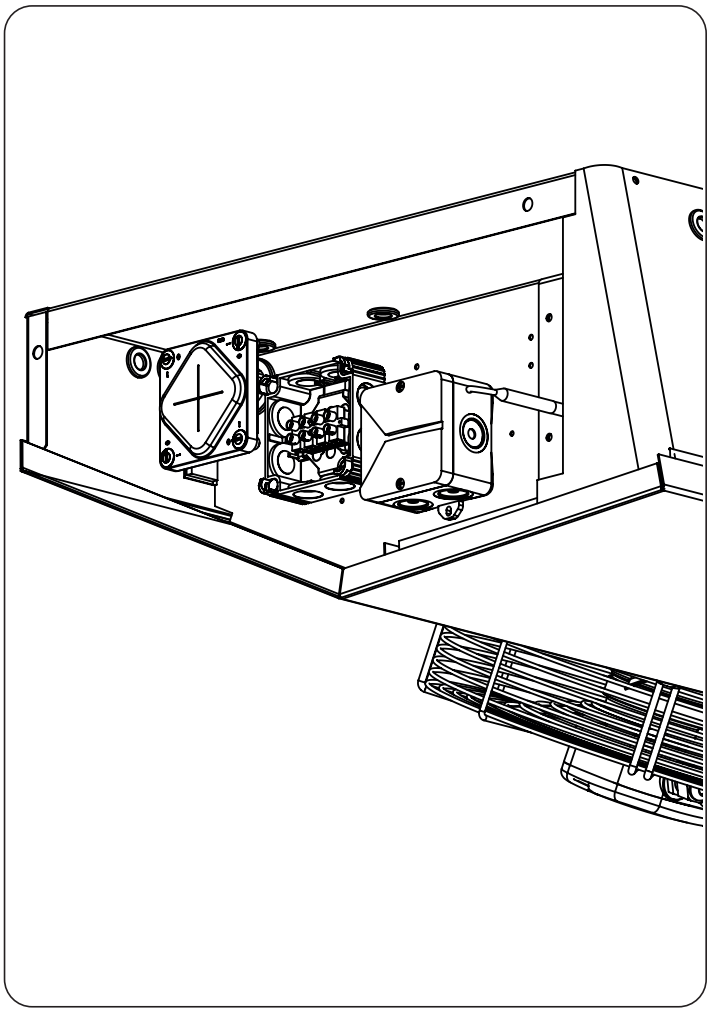
$\Delta t_{0h} \approx 0.5... 0.7 \times DT1$

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

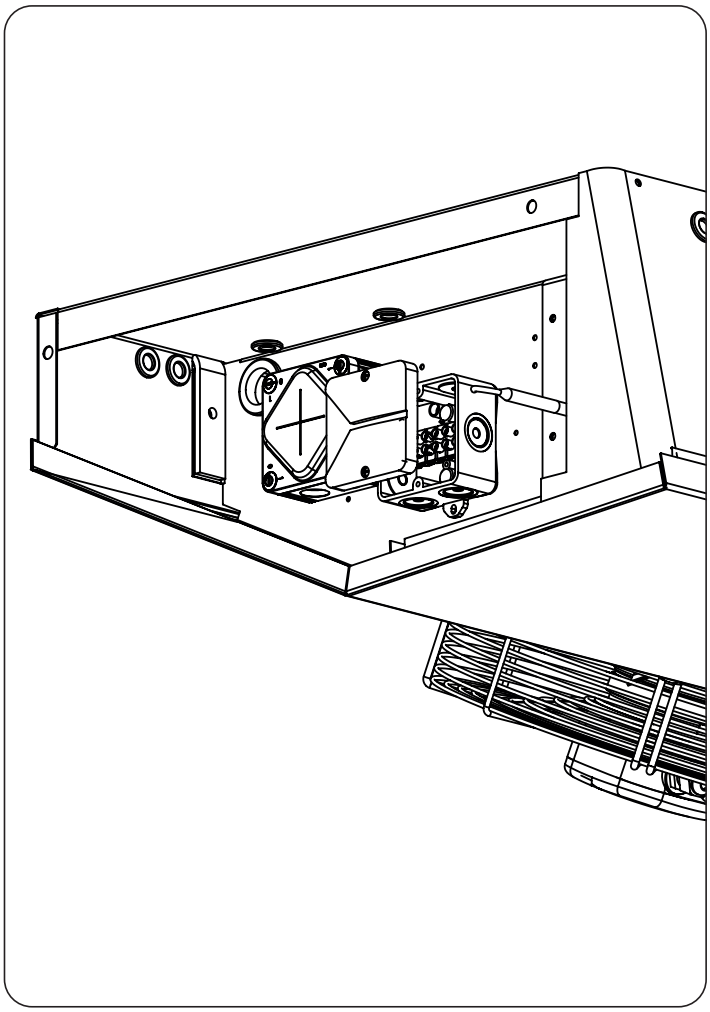
ELECTRIC WIRING



MOTOR

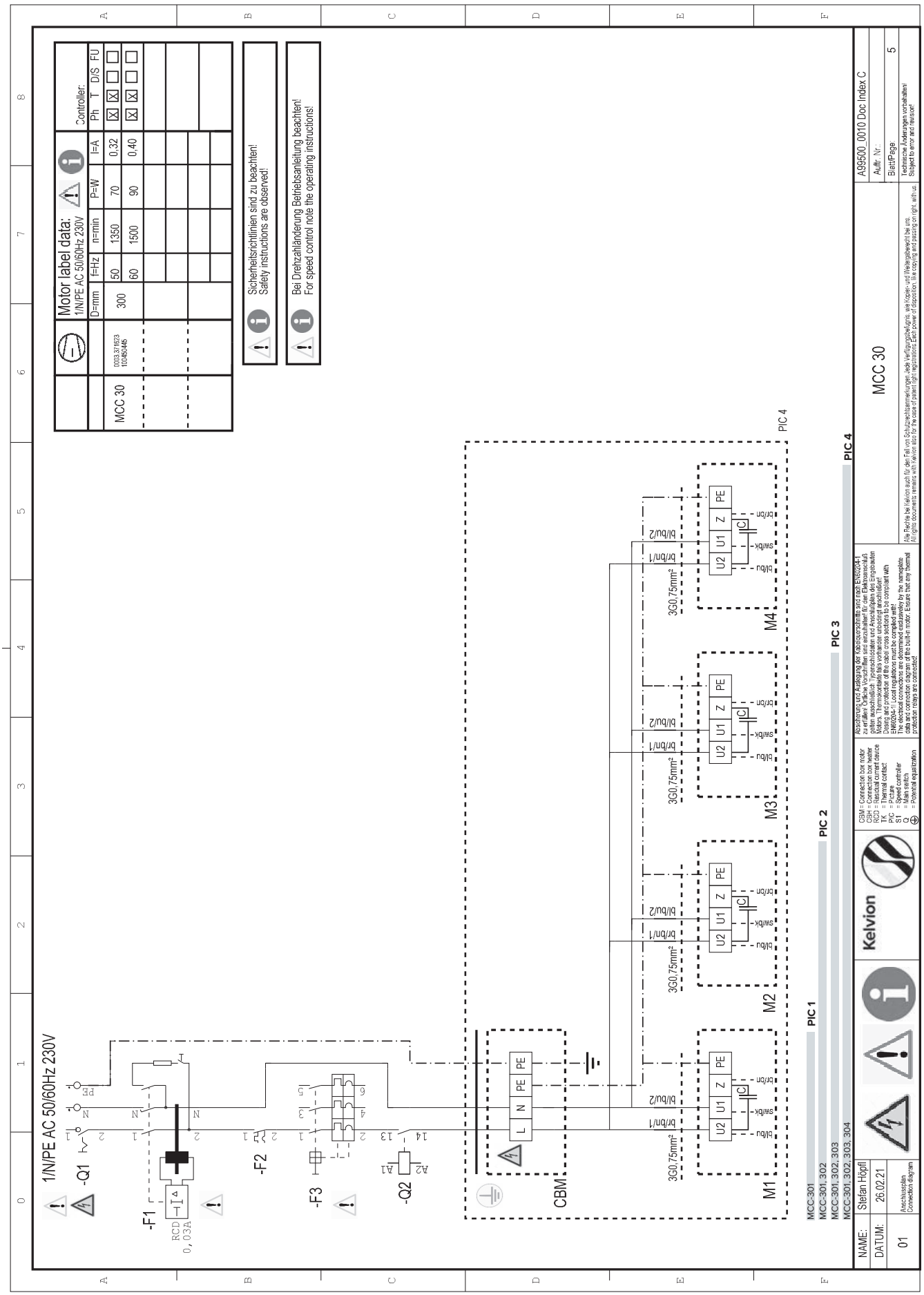


ELECTRIC DEFROST

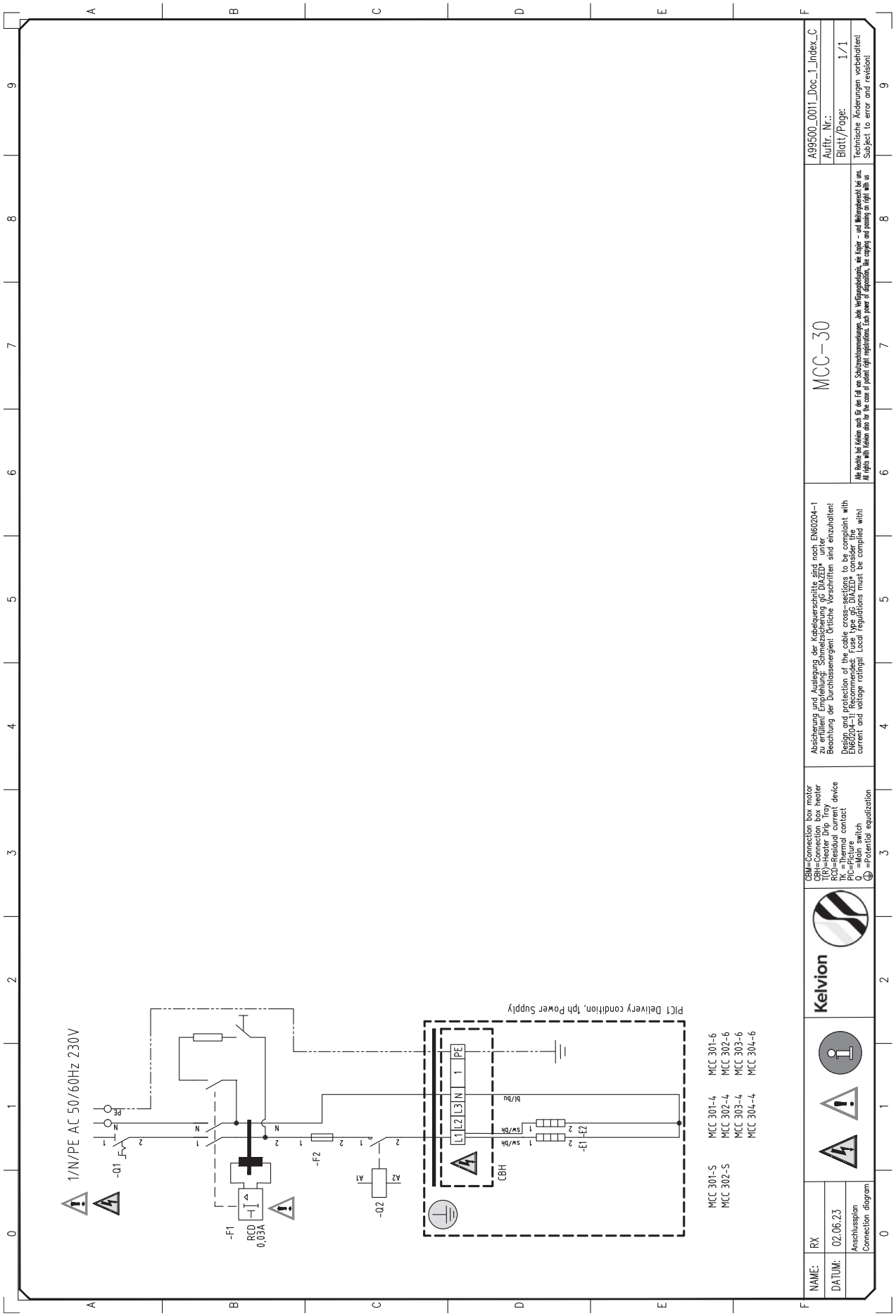


Kelvion

MOTOR



ELECTRIC DEFROST



Kelvion

CABLING

MCC

Standard/Series Wiring diagram number: A99500_0011 Doc 2; Index C)																			
Type		Heater coil				Heater Drip Tray						PIC on the wiring diagram	PIC on the wiring diagram	L1					
MCC	Coil Length	Quantity	Length	Power	Shape	Quantity	Length	Power	Shape	Quantity of heating circuits	Heating circuits Nb			Heater coil	Heater Drip Tray T	Heater Drip Tray T (R)	Heater coil		
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 [	
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									
eater Tray T	Heater Drip Tray T (R)	Heater coil	Heater Drip Tray T	Heater Drip Tray T (R)	Power Total	Power Coil	Power Drip Tray Pan	Current Total L1	Current L1	Current L2	Current L3	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
[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				

Kelvion

www.kelvion.com