



TECHNICAL MANUAL

4-WAY CASSETTE FAN COIL UNITS MCFK-A SERIES

Please read this manual before operating this unit
and keep it securely for future reference.

I. UNIT APPEARANCE



Model			
MCFK-020-A2	MCFK-045-A2	MCFK-091-A2	MCFK-153-A2
MCFK-027-A2	MCFK-056-A2	MCFK-108-A2	
MCFK-037-A2	MCFK-070-A2	MCFK-126-A2	
MCFK-042-A2			

II. UNIT

2.1. FEATURE

Four-way cassette fan coil unit is installed under the ceiling, compared with Floor & Standing type A/C, it has following advantages: saving room space; ceiling installation combining with the decoration, makes the room more elegant; flexible installation in anywhere in the ceiling and 4-direction blowing, makes the indoor temperature is even and makes you feel more comfortable, so cassette type A/C is a perfect replacing Product of floor & standing type A/C.

Application occasions:

Small supermarkets, restaurants, offices, meeting rooms, villas, meeting rooms, livingrooms and so on, and it can even be used as the updating product for modern residential A/C.

Features:

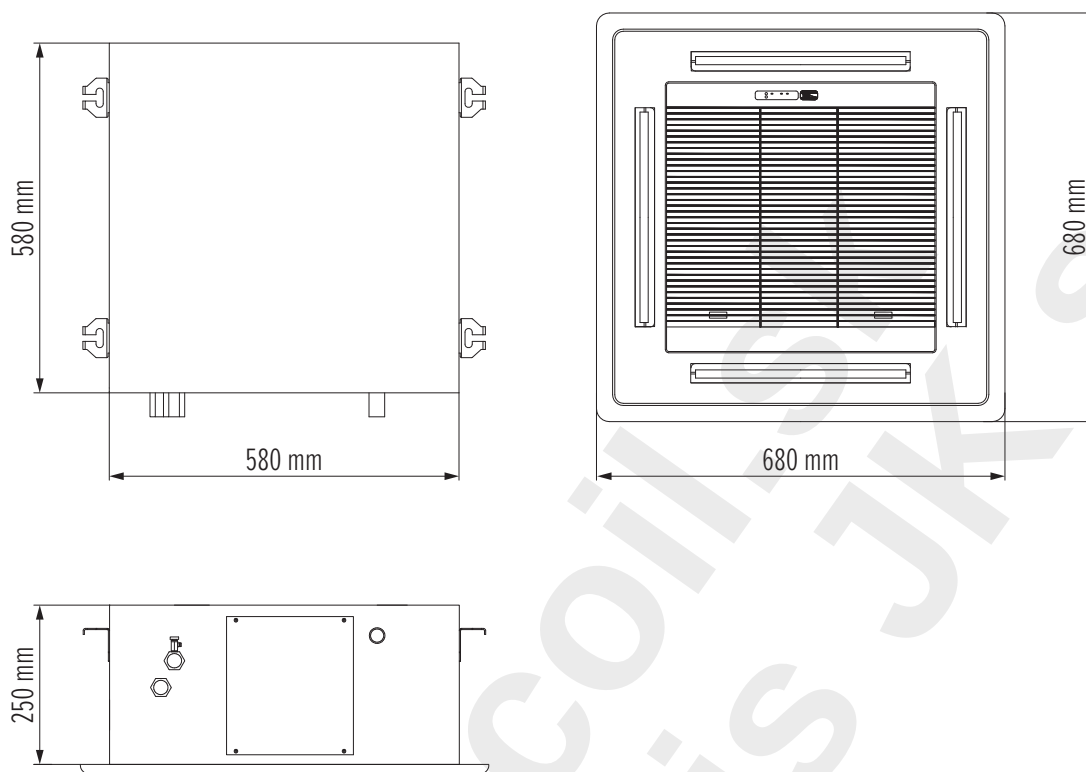
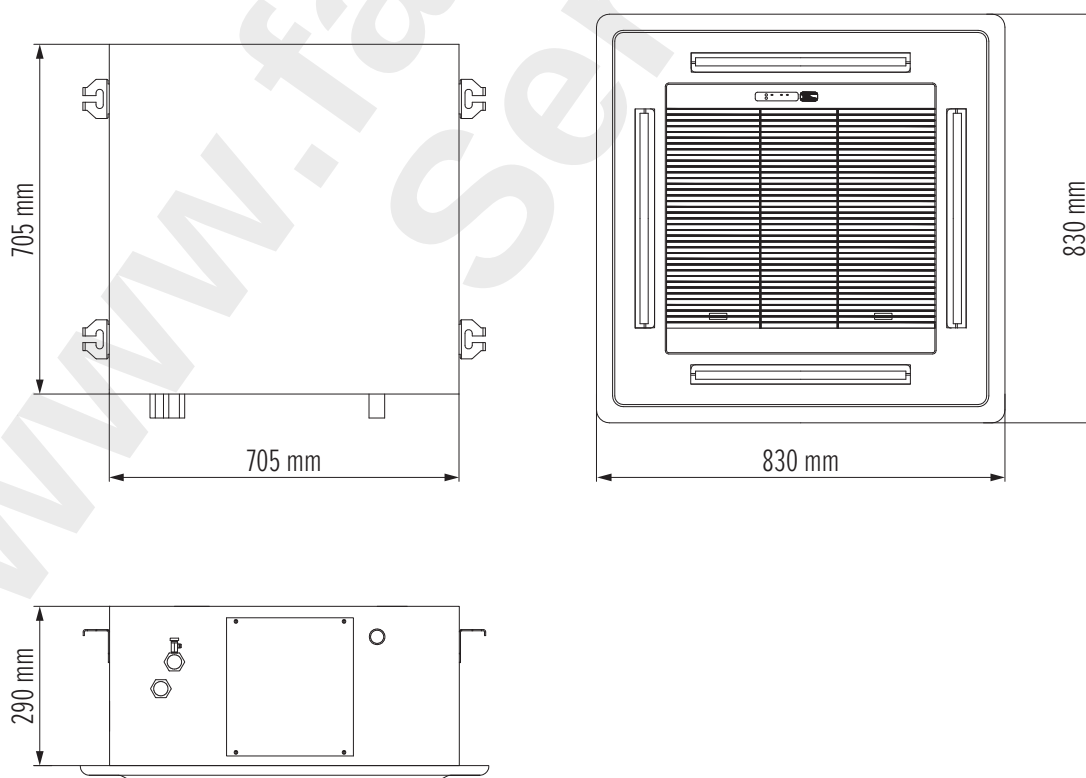
- Concealed design, ceiling installation, room space saving, it is very suitable for family or office occasion;
- With Setting or Auto two operation modes, four-way blowing, strong circulating wind, multi wind speed, the cooling or heating capacity can reach to each corner of the room;
- One-step formed shell by mold, appearance is elegant;
- Special insulation design, achieves high heat insulation efficiency, and no condensation on shell;
- Built-in drain pump, drain-head height is up to 1.2meters, creating the ideal solution for perfect water drainage, also construction and installation is much easier and convenient;
- Long term air filter, wash period is two times longer than normal filter, and maintenance is free;
- 3D helix air blade ensures the air flow sufficiently, reduces the unit thickness, and reduces the operation noise greatly;
- Plastic drip tray adopts innovative foam-PS combined with plastic technical, the thickness of plastic reaches 1mm, avoid any leakage;
- 6 segments heat exchanger, increase exchanging area, the efficiency of heat exchanging increased by 10%~15%;
- Ingenious hook design, the panel is convenient to install or remove;
- Fresh air intake design, leading in fresh air to improve indoor air quality anytime;
- Auto-restart function;
- Standard wireless remote controller and optional wired controller;
- Failure automatic detection, if there is a failure, the indicator will flash and the failure code will display on the wired controller, the failure cause is easier to be found.

2.2. SPECIFICATION

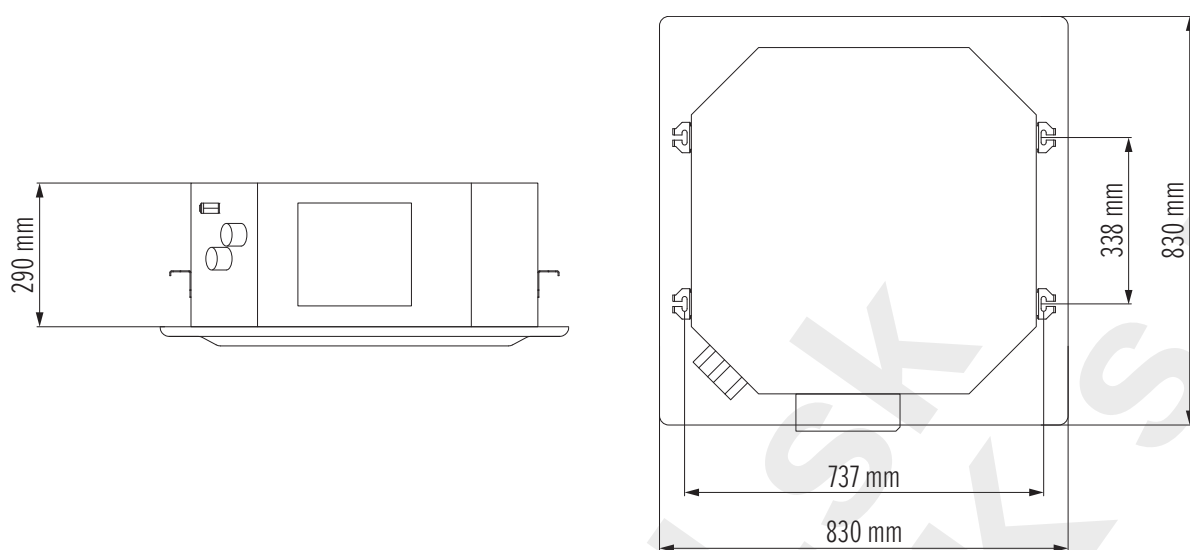
Model	Units	MCFK-020-A2	MCFK-027-A2	MCFK-037-A2	MCFK-042-A2	MCFK-045-A2	MCFK-056-A2
Airflow	high, m³/h	340	510	680	800	850	1020
	med, m³/h	280	390	520	580	639	790
	low, m³/h	180	260	350	390	430	520
Total cooling capacity	high, W	1800	2700	3600	4200	4500	5400
	med, W	1485	2061	2754	3800	3384	4185
	low, W	954	1377	1854	2800	2277	2754
Sensitive cooling capacity	high, W	1350	2025	2700	2900	3375	4050
	med, W	1114	1546	2066	2600	2538	3139
	low, W	716	1033	1391	1900	1708	2066
Total heating capacity	high, W	2700	4050	5400	6300	6750	8100
	med, W	2228	3092	4131	5500	5076	6278
	low, W	1431	2066	2781	4500	3416	4131
Power Supply	V/Ph/Hz	220/1/50Hz					
Fan & Motor							
Fan Type		Centrifugal Fan Wheel					
Fan Size		Φ315				Φ380	
Motor Type		AC motor					
Power Input	W	39	52	62	68	76	96
IP rating of Motor		IP20	IP20	IP20	IP20	IP20	IP20
Motor Insulation Class		B	B	B	B	B	B
Coil Details							
Tube Material		Copper Tube					
Tube OD	mm	Standard is 9.52 mm					
Tube Thickness	mm	0.3	0.3	0.3	0.3	0.3	0.3
Area	m²	4,65	4,65	9,3	10.3	13,4	13,4
Coil Size (H×W)	mm	200×21.65		200×43.3	210×43.3	225×43.3	
Fin Material		0.105 mm hydrophilic fins					
Fin Type		Louver Type Fins					
Fin Spacing	mm	2	2	2	2	2	2
Rows-2 Pipe System		2	2	2	2	2	2
Circuiting		2 in 2 out			4 in 4 out		
Maximum Working Pressure	Mpa	1.6	1.6	1.6	1.6	1.6	1.6
Connections							
IN/OUT	mm	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Drain	mm	26	26	26	26	26	26
Unit Casing							
Casing Material		Galvanized Steel					
Material Thickness	mm	0.8	0.8	0.8	0.8	0.8	0.8
Drain Pan		High Density Polystyrene Foam					
Drain Pump		Standard is PSB-7 with 700 mm head (1200 mm head is optional)					
Insulation Material		XPE	XPE	XPE	XPE	XPE	XPE
Insulation Thickness	mm	5	5	5	5	5	5
Filter							
Type		Primary Filter					
Material		ABS+Nylon					
Thickness		12	12	12	12	14	14
Size	mm	350×333				430×407	
Over all Unit Dimensions-Panels							
Net Dimension (H×W×D)	mm	680×680×30				830×830×30	
Packing Dimension (H×W×D)	mm	720×720×75				860×860×75	
Net/Gross Weight	kg	2.3/3.7				3.5/5.2	
Over all Unit Dimensions-Body							
Net Dimension (H×W×D)	mm	580×580×250				705×705×290	
Packing Dimension (H×W×D)	mm	675×675×270				800×800×310	
Net/Gross Weight	kg	17.7/19.3				21.5/23.8	
Sound Pressure Level at 1m (High/Medium/Low)	dB(A)	37/35/29	39/37/31	41/37/30	42/38/32	43/39/32	45/37/34
Unit Weight	kg	20	20	20	20	25	25

Mycond	Units	MCFK-070-A2	MCFK-091-A2	MCFK-108-A2	MCFK-126-A2	MCFK-153-A2
Airflow	high, m³/h	1360	1699	2039	2379	2718
	med, m³/h	1030	1290	1499	1799	2098
	low, m³/h	690	860	1030	1199	1599
Total cooling capacity	high, W	7200	9000	10800	12600	15300
	med, W	5454	6831	7938	9531	11810
	low, W	3654	4554	5454	6354	8469
Sensitive cooling capacity	high, W	5400	6750	8100	9450	11475
	med, W	4091	5124	5954	7149	8858
	low, W	2741	3416	4091	4766	6352
Total heating capacity	high, W	10800	13500	16200	18900	23700
	med, W	8181	10247	11907	14297	18293
	low, W	5481	6831	8181	9531	13939
Power Supply	V/Ph/Hz	220/1/50Hz				
Fan & Motor						
Fan Type		Centrifugal Fan Wheel				
Fan Size		Φ380		Φ476		Φ530
Motor Type		AC motor				
Power Input	W	132	152	189	220	330
IP rating of Motor		IP20	IP20	IP20	IP20	IP20
Motor Insulation Class		B	B	B	B	B
Coil Details						
Tube Material		Copper Tube				
Tube OD	mm	Standard is 9.52 mm				
Tube Thickness	mm	0.3	0.3m	0.3	0.3	0.3
Area m²	m²	13,4	19,7	19,7	19,7	27,1
Coil Size (H×W) mm	mm	225×43.3	250×43.3			
Fin Material		0.105 mm hydrophilic fins				
Fin Type		Louver Type Fins				
Fin Spacing mm		2	2	2	2	2
Rows-2 Pipe System		2	2	2	2	2
Circuiting		4 in 4 out		5 in 5 out		
Maximum Working Pressure	Mpa	1.6	1.6	1.6	1.6	1.6
Connections						
IN/OUT	mm	3/4"	3/4"	3/4"	3/4"	3/4"
Drain	mm	26	26	26	26	26
Unit Casing						
Casing Material		Galvanized Steel				
Material Thickness	mm	0.8	0.8	0.8	0.8	0.8
Drain Pan		High Density Polystyrene Foam				
Drain Pump		Standard is PSB-7 with 700 mm head (1200 mm head is optional)				
Insulation Material		XPE	XPE	XPE	XPE	XPE
Insulation Thickness	mm	5	5	5	5	5
Filter						
Type		Primary Filter				
Material		ABS+Nylon				
Thickness		14	14	14	14	14
Size	mm	430×407	556×540			644×638
Over all Unit Dimensions-Panels						
Net Dimension (H×W×D)	mm	830×830×30	980×980×30			1140×1140×30
Packing Dimension (H×W×D)	mm	860×860×75	1010×1010×75			1170×1170×75
Net/Gross Weight	kg	3.45/5.2	5.2/7.4	5.2/7.4	5.2/7.4	7.8/10.7
Over all Unit Dimensions-Body						
Net Dimension (H×W×D)	mm	705×705×290	832×832×290			960×960×290
Packing Dimension (H×W×D)	mm	800×800×310	925x×925×310			1054×1054×320
Net/Gross Weight	kg	21.5/23.8	28.8/30.6	28.8/30.6	28.8/30.6	44.2/45.3
Sound Pressure Leval at 1m (High/Medium/Low)	dB(A)	46/38/37	47/39/36	50/45/37	52/46/39	57/52/48
Unit Weight	kg	25	32	32	32	45.4

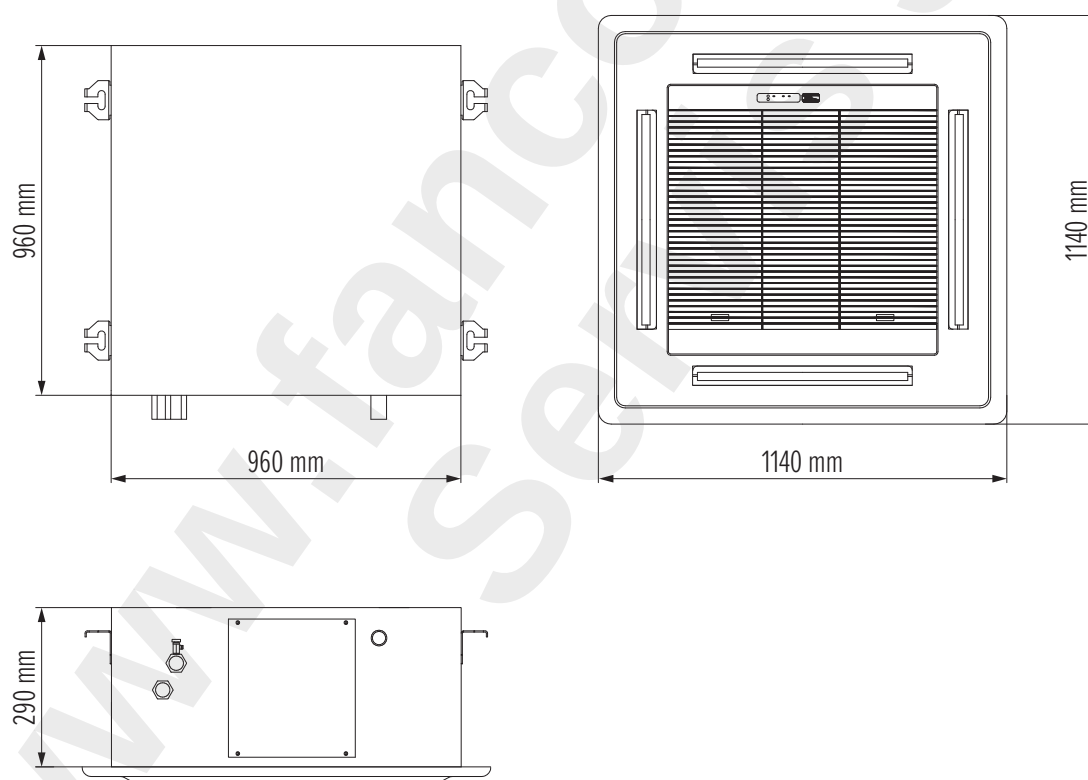
2.3. DIMENSION

MCFK-020-A2, MCFK-027-A2, MCFK-037-A2, MCFK-042-A2**MCFK-045-A2, MCFK-056-A2, MCFK-070-A2**

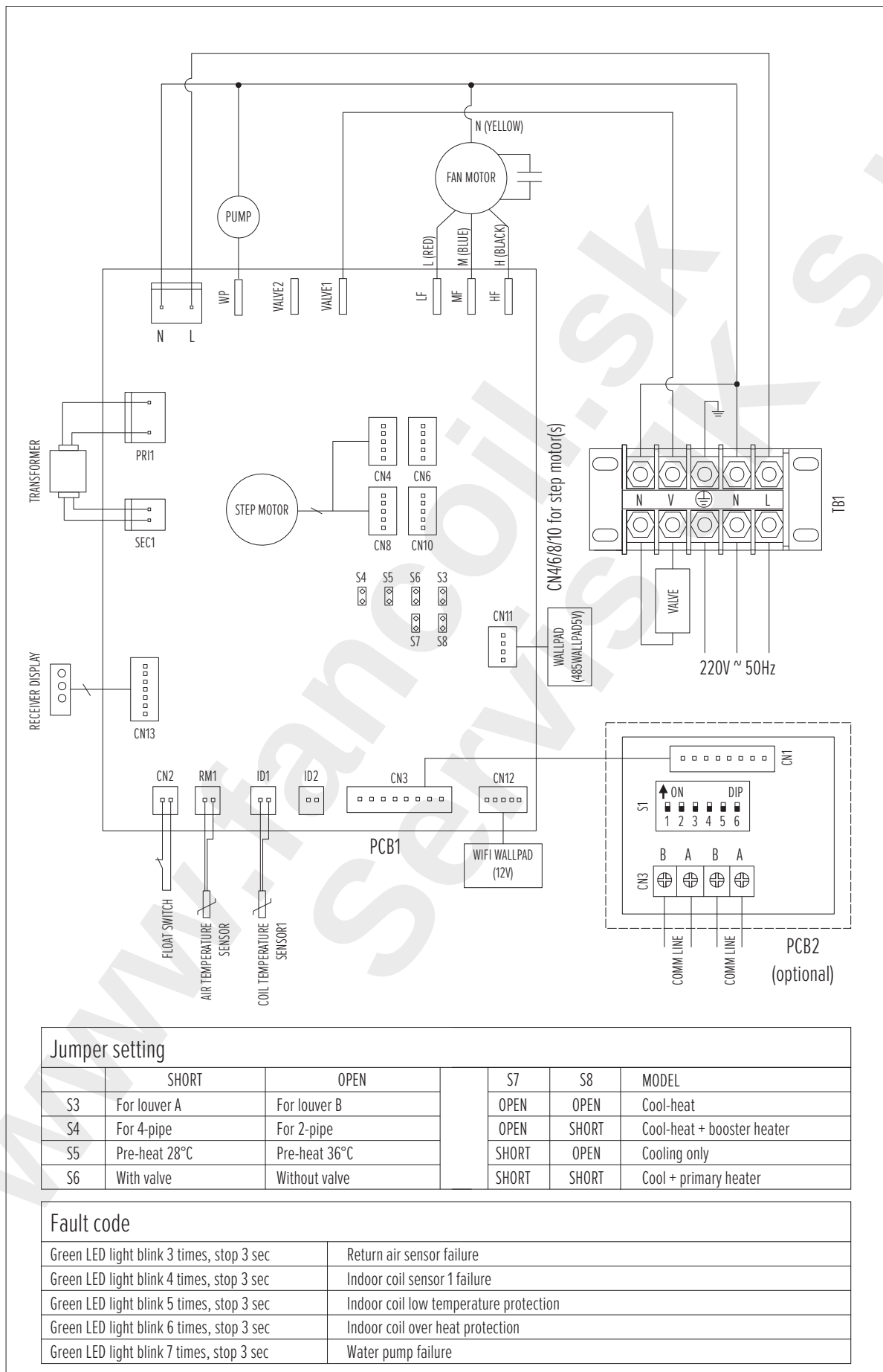
MCFK-091-A2, MCFK-108-A2, MCFK-126-A2



MCFK-153-A2



2.4. ELECTRICAL WIRING AND CONNECTION



2.5. REMOTE CONTROL

ON/OFF

To control the system On/Off.

FAN SPEED

Press this key to change the fan speed: Auto→Low→Medium→High.
Auto fan is invalid in Fan mode.

TEMPERATURE/CLOCK SETTINGS:

Press  or  to adjust the temperature, clock or on/off timer settings.
Long press the key to increase setting speed.

MODE

To select operating mode. Mode change according to following sequence:

Cool-Heat model: Cool→Dry→Fan→Heat→Auto.

ON TIMER

Press to display the last timer set ting. Press this key again to turn off the timer.
Press SET key to send the setting after changes.

LOUVER

Press this key to change the louver. Setting: Position 1, 2, 3, 4 auto, stop.

SLEEP

Press this key to toggle sleep mode. Sleep is invalid in Fan mode.

OFF TIMER

Press to display the last timer setting. Press this key again to turn off the timer. Press SET key to send the setting after changes.

BACKLIGHT

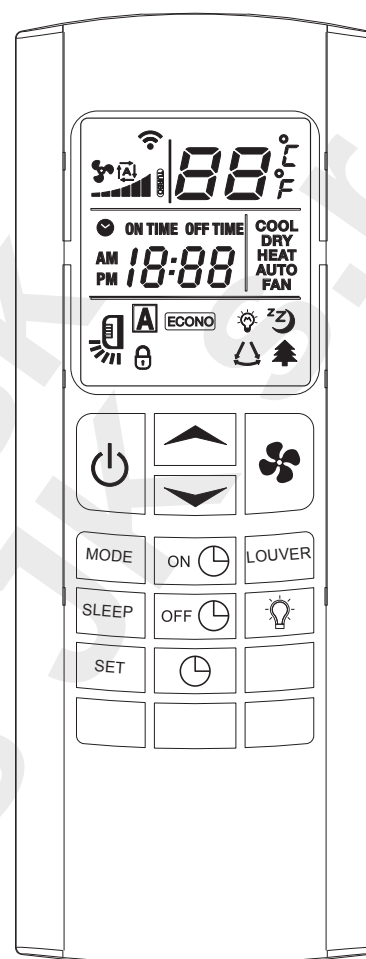
Press this key to light the LCD backlight.

SET

For clock, on/off timer use. Press this button after adjusting the clock/timer to send the setting.

CLOCK

Press this key to set the time and adjust with  or . Press SET key to send the setting.



www.fancoil.sk
Servis JK S.r.o.

MYCOND LIMITED

info@mycond.eu