



I 99 Ceiling Concealed Fan Coil
I 109 Chilled Water Cassette

FAN COIL

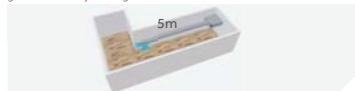


CEILING CONCEALED FAN COIL

Flexible Design

12/30/50 Pa ESP

Duct fan coil takes new steel fan design, enlarge the fan length and diameter, use new powerful motor, the ESP have 12/30/50 Pa choice, give the flexibility in design work.



Return air choice

Friendly design of rear air return or bottom air return is available.



High Reliability

Steel fan and fan scroll

The fan and fan scroll takes steel material design, in case of fire, it will avoid the fire.



Three way valve choice

According to customer need, Haier can supply the three way valve to match with cassette and duct fan coil, give the flexibility in design work.



Tailor made product

According to customer need, Haier can supply 50Pa as standard product, also 12Pa, 30Pa as optional, also Haier can supply return air box, return air box & filter, enlarged drain pan as option.



CEILING CONCEALED TYPE (STANDARD TYPE)



MODEL	No return air box		FCE-034CCN2B	FCE-051CCN2B	FCE-068CCN2B	FCE-085CCN2B	FCE-102CCN2B
	Rear air inlet box&filter	FCE-034CCB2B	FCE-051CCB2B	FCE-068CCB2B	FCE-085CCB2B	FCE-102CCB2B	
Bottom air inlet box&filter		FCE-034CCD2B	FCE-051CCD2B	FCE-068CCD2B	FCE-085CCD2B	FCE-102CCD2B	
Air volume	m³/h	H	340	510	680	850	1020
		M	258	388	517	646	775
		L	177	265	354	442	530
ESP	Pa			30			
Cooling capacity	W	H	2410	3550	4550	5510	6200
		M	2169	3195	4095	4959	5580
		L	1783	2627	3367	4077	4588
Heating capacity	W	H	3700	5600	7450	8800	10000
		M	3219	4872	6482	7656	8874
		L	2701	4088	5439	6424	7446
Power input	W	H	49	66	84	100	118
Power supply	(phase/voltage/Hz)						
Noise level	dB(A)	H	42	44	46	47	49
Water flow	m³/h			10.2	13.0	15.8	17.8
Water pressure drop	KPa			30	30	30	40
Water inlet/outlet connection pipe	3/4" internal thread						
Condensate water connection pipe	3/4" external thread						
Net weight (for air return box)	kg			11.6	14.1	15.8	17.5
Gross weight (for air return box)	kg			13.9	16.6	18.5	20.4
Net weight (with air return box)	kg			14.2	17.2	19.2	21.2
Gross weight (with air return box)	kg			16.4	19.4	21.6	23.5
Net dimension (L*W*H) (for air return box)	mm			693*470*225	823*470*225	928*470*225	1013*470*225
Shipping dimension (L*W*H) (for air return box)	mm			740*542*248	870*542*248	975*542*248	1060*542*248
Net dimension (L*W*H) (with air return box)	mm			693*511*225	823*511*225	928*511*225	1013*511*225
Shipping dimension (L*W*H) (with air return box)	mm			740*542*248	870*542*248	975*542*248	1060*542*248
Net dimension (L*W*H) (with air return box)	mm			693*492*246	823*492*246	928*492*246	1013*492*246
Shipping dimension (L*W*H) (with air return box)	mm			740*522*263	870*522*263	975*522*263	1060*522*263
Controller (optional)	Wire/c	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK
Three way valve (optional)		3VFC	3VFC	3VFC	3VFC	3VFC	3VFC

Option:
1 Three way valve as the accessory.
2 Enlarged drain pan.

Note:

1 The lowest external static pressure here is air return box (ESP).

2 Above air flow/cooling capacity/heating capacity are based on the models with no air return box & filter, 50% air flow/60% cooling capacity/60% heating capacity are based on the models with air return box & filter.

3 The water flow direction can be changed based on the actual situation, but the cooling capacity/heating capacity will reduce 15% when changing the water flow direction.

CEILING CONCEALED TYPE (STANDARD TYPE)



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MODEL	No return air box		FCE-136CCN2B	FCE-170CCN2B	FCE-204CCN2B	FCE-238CCN2B	
	Rear air inlet box&filter		FCE-136CCB2B	FCE-170CCB2B	FCE-204CCB2B	FCE-238CCB2B	
		Bottom air inlet box&filter		FCE-136CCD2B	FCE-170CCD2B	FCE-204CCD2B	FCE-238CCD2B
Air volume	m³/h	H	1360	1700	2040	2380	
		M	1034	1292	1550	1809	
		L	707	884	1061	1238	
		dB	50				
Cooling capacity	W	H	8600	10800	12000	13200	
		M	7740	9720	10800	11880	
		L	6364	7992	8880	9768	
Heating capacity	W	H	15800	17500	21000	22500	
		M	12006	15225	18270	19975	
		L	10074	12775	15330	16425	
Power input	W	H	174	210	250	300	
Power supply	(phase/Voltage/Hz)		1/220V/50				
Noise level	(dB(A))	H	50	52	54	55	
Water flow	(l/min)	24.7		31.0	34.4	37.8	
Water pressure drop	(kPa)	40		40	40	50	
Water inlet/outlet connection pipe		3/4" internal thread					
Condensate water connection pipe		3/4" external thread					
Net weight (for air return box)	(kg)	36.2	39.1	32.8	35.1		
Gross weight (for air return box)	(kg)	30.1	33.4	38.1	40.4		
Net weight (with air return box)	(kg)	31.4	34.8	39.2	42.2		
Gross weight (with air return box)	(kg)	34.7	38.5	44.0	46.9		
Net dimension (L*W*H) (for air return box)	(mm)	1443*470*225	1593*470*225	1813*470*225	2013*470*225		
Shipping dimension (L*W*H) (for air return box)	(mm)	1490*542*248	1640*542*248	1860*542*248	2060*542*248		
Net dimension (L*W*H) (with air return box)	(mm)	1443*511*225	1593*511*225	1813*511*225	2013*511*225		
Shipping dimension (L*W*H) (with air return box)	(mm)	1490*542*248	1640*542*248	1860*542*248	2060*542*248		
Net dimension (L*W*H) (with air return box)	(mm)	1443*492*246	1593*492*246	1813*492*246	2013*492*246		
Shipping dimension (L*W*H) (with air return box)	(mm)	1490*522*263	1640*522*263	1860*522*263	2060*522*263		
Controller (optional)	Wired	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK		
Three way valve (optional)		3VFC	3VFC	3VFC	3VFC		

Option:
1 Three way valve as the accessory.
2 2-wire remote control.

Note:
1 The noise level and static pressure here are for air return box & filter.
2 Above air flow/cooling capacity/heating capacity are based on the models with no air return box & filter. 50% air flow/60% cooling capacity/60% heating capacity are based on the models with air return box & filter.
3 The water inlet direction can be changed based on the actual situation, but the cooling capacity/heating capacity will reduce 15% when changing the water inlet direction.

MODEL	No return air box		FCE-034BCN2B	FCE-051BCN2B	FCE-068BCN2B	FCE-085BCN2B	FCE-102BCN2B
	Rear air inlet box&filter		FCE-034BCB2B	FCE-051BCB2B	FCE-068BCB2B	FCE-085BCB2B	FCE-102BCB2B
		Bottom air inlet box&filter		FCE-034BCD2B	FCE-051BCD2B	FCE-068BCD2B	FCE-102BCD2B
Air volume	m³/h	H	340	510	680	850	1020
		M	258	388	517	646	775
		L	177	265	354	442	530
		dB	50				
Cooling capacity	W	H	2410	3550	4550	5510	6200
		M	2169	3195	4095	4959	5580
		L	1783	2627	3367	4077	4588
Heating capacity	W	H	3700	5600	7450	8800	10000
		M	3219	4872	6482	7666	8874
		L	2701	4088	5439	6404	7446
Power input	W	H	44	59	72	87	108
Power supply	(phase/Voltage/Hz)		1/220V/50				
Noise level	(dB(A))	H	39	42	43	45	47
Water flow	(l/min)	6.9		10.2	13.0	15.8	17.8
Water pressure drop	(kPa)	30		30	30	30	40
Water inlet/outlet connection pipe		3/4" internal thread					
Condensate water connection pipe		3/4" external thread					
Net weight (for air return box)	(kg)	11.6	14.1	15.8	17.5	18.4	
Gross weight (for air return box)	(kg)	13.9	16.6	18.5	20.4	21.6	
Net weight (with air return box)	(kg)	14.2	17.2	19.2	21.2	22.9	
Gross weight (with air return box)	(kg)	16.4	19.4	21.6	23.8	25.5	
Net dimension (L*W*H) (for air return box)	(mm)	693*470*225	823*470*225	928*470*225	1013*470*225	1143*470*225	
Shipping dimension (L*W*H) (for air return box)	(mm)	740*542*248	870*542*248	975*542*248	1060*542*248	1190*542*248	
Net dimension (L*W*H) (with air return box)	(mm)	693*511*225	823*511*225	928*511*225	1013*511*225	1143*511*225	
Shipping dimension (L*W*H) (with air return box)	(mm)	740*542*248	870*542*248	975*542*248	1060*542*248	1190*542*248	
Net dimension (L*W*H) (with air return box)	(mm)	693*492*246	823*492*246	928*492*246	1013*492*246	1143*492*246	
Shipping dimension (L*W*H) (with air return box)	(mm)	740*522*263	870*522*263	975*522*263	1060*522*263	1190*522*263	
Controller (optional)	Wired	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	
Three way valve (optional)		3VFC	3VFC	3VFC	3VFC	3VFC	

Option:
1 Three way valve as the accessory.
2 2-wire remote control.

Note:
1 The noise level and static pressure here are for air return box & filter.
2 Above air flow/cooling capacity/heating capacity are based on the models with no air return box & filter. 50% air flow/60% cooling capacity/60% heating capacity are based on the models with air return box & filter.
3 The water inlet direction can be changed based on the actual situation, but the cooling capacity/heating capacity will reduce 15% when changing the water inlet direction.

CEILING CONCEALED TYPE (STANDARD TYPE)



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MODEL	No return air box		FCE-136BCN2B	FCE-170BCN2B	FCE-204BCN2B	FCE-238BCN2B	
	Rear air inlet box&filter		FCE-136BCB2B	FCE-170BCB2B	FCE-204BCB2B	FCE-238BCB2B	
		Bottom air inlet box&filter		FCE-136BCD2B	FCE-170BCD2B	FCE-204BCD2B	FCE-238BCD2B
Air volume	m³/h	H	1360	1700	2040	2380	
		M	1034	1292	1550	1809	
		L	707	884	1061	1238	
		ps		ps			
Cooling capacity	W	H	8600	10800	12000	13200	
		M	7740	9720	10800	11880	
		L	6364	7992	8880	9768	
Heating capacity	W	H	15800	17500	21000	22500	
		M	12006	15225	18270	19975	
		L	10074	12775	15330	16425	
Power input	W	H	156	174	212	253	
Power supply	(phase/Voltage/Hz)		1/220/50				
Noise level	(dB(A))	H	48	50	52	54	
Water flow	(l/min)			24.7	31.0	34.4	37.8
Water pressure drop	(kPa)			40	40	40	50
Water inlet/outlet connection pipe		3/4" internal thread					
Condensate water connection pipe		3/4" external thread					
Net weight (for air return box)	(kg)	36.2	39.1	32.8	35.1		
Gross weight (for air return box)	(kg)	30.1	33.4	38.1	40.4		
Net weight (with air return box)	(kg)	31.4	34.8	39.2	42.2		
Gross weight (with air return box)	(kg)	34.7	38.5	44.0	46.9		
Net dimension (L*W*H) (for air return box)	(mm)	1443*470*225	1593*470*225	1813*470*225	2013*470*225		
Shipping dimension (L*W*H) (for air return box)	(mm)	1490*542*248	1640*542*248	1860*542*248	2060*542*248		
Net dimension (L*W*H) (with air return box)	(mm)	1443*511*225	1593*511*225	1813*511*225	2013*511*225		
Shipping dimension (L*W*H) (with air return box)	(mm)	1490*542*248	1640*542*248	1860*542*248	2060*542*248		
Net dimension (L*W*H) (with air return box)	(mm)	1443*492*246	1593*492*246	1813*492*246	2013*492*246		
Shipping dimension (L*W*H) (with air return box)	(mm)	1490*522*263	1640*522*263	1860*522*263	2060*522*263		
Controller (optional)	Wired	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK		
Three way valve (optional)		3VFC	3VFC	3VFC	3VFC		

Option:
 1 Three way valve as the accessory.
 2 4-way directional damper.
 Note:
 1 The noise level and static pressure here are for air return box only.
 2 Above air flow/cooling capacity/heating capacity are based on the models with no air return box & filter. 50% air flow/60% cooling capacity/60% heating capacity are based on the models with air return box & filter.
 3 The water inlet direction can be changed based on the actual situation, but the cooling capacity/heating capacity will reduce 15% when changing the water inlet direction.

MODEL	No return air box		FCE-034ACN2B	FCE-051ACN2B	FCE-068ACN2B	FCE-085ACN2B	FCE-102ACN2B
	Rear air inlet box&filter		FCE-034ACB2B	FCE-051ACB2B	FCE-068ACB2B	FCE-085ACB2B	FCE-102ACB2B
		Bottom air inlet box&filter		FCE-034ACD2B	FCE-051ACD2B	FCE-068ACD2B	FCE-102ACD2B
Air volume	m³/h	H	340	510	680	850	1020
		M	258	388	517	646	775
		L	177	265	354	442	530
		ps		ps			
Cooling capacity	W	H	2410	3550	4650	5510	6200
		M	2169	3195	4095	4959	5580
		L	1783	2627	3367	4077	4588
Heating capacity	W	H	3700	5600	7450	8800	10000
		M	3219	4872	6482	7666	8874
		L	2701	4088	5439	6404	7446
Power input	W	H	37	52	62	76	96
Power supply	(phase/Voltage/Hz)		1/220/50				
Noise level	(dB(A))	H	36	38	39	42	45
Water flow	(l/min)			6.9	10.2	13.0	15.8
Water pressure drop	(kPa)			30	30	30	40
Water inlet/outlet connection pipe		3/4" internal thread					
Condensate water connection pipe		3/4" external thread					
Net weight (for air return box)	(kg)	11.6	14.1	15.8	17.5	18.4	
Gross weight (for air return box)	(kg)	13.9	16.6	18.5	20.4	21.6	
Net weight (with air return box)	(kg)	14.2	17.2	19.2	21.2	22.3	
Gross weight (with air return box)	(kg)	16.4	19.4	21.6	23.8	25.5	
Net dimension (L*W*H) (for air return box)	(mm)	693*470*225	823*470*225	928*470*225	1013*470*225	1143*470*225	
Shipping dimension (L*W*H) (for air return box)	(mm)	740*542*248	870*542*248	975*542*248	1060*542*248	1190*542*248	
Net dimension (L*W*H) (with air return box)	(mm)	693*511*225	823*511*225	928*511*225	1013*511*225	1143*511*225	
Shipping dimension (L*W*H) (with air return box)	(mm)	740*542*248	870*542*248	975*542*248	1060*542*248	1190*542*248	
Net dimension (L*W*H) (with air return box)	(mm)	693*492*246	823*492*246	928*492*246	1013*492*246	1143*492*246	
Shipping dimension (L*W*H) (with air return box)	(mm)	740*522*263	870*522*263	975*522*263	1060*522*263	1190*522*263	
Controller (optional)	Wired	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	
Three way valve (optional)		3VFC	3VFC	3VFC	3VFC	3VFC	

Option:
 1 Three way valve as the accessory.
 2 4-way directional damper.
 Note:
 1 The noise level and static pressure here are for air return box only.
 2 Above air flow/cooling capacity/heating capacity are based on the models with no air return box & filter. 50% air flow/60% cooling capacity/60% heating capacity are based on the models with air return box & filter.
 3 The water inlet direction can be changed based on the actual situation, but the cooling capacity/heating capacity will reduce 15% when changing the water inlet direction.

CEILING CONCEALED TYPE (STANDARD TYPE)



MODEL	No return air box		FCE-136ACN2B	FCE-170ACN2B	FCE-204ACN2B	FCE-238ACN2B
	Rear air inlet box&filter		FCE-136ACD2B	FCE-170ACD2B	FCE-204ACD2B	FCE-238ACD2B
Air volume	m³/h	H	1360	1700	2040	2380
		M	1034	1292	1550	1809
		L	707	884	1061	1238
Cooling capacity	W	H	8600	10800	12000	13200
		M	7740	9720	10800	11880
		L	6364	7992	8880	9768
Heating capacity	W	H	15800	17500	21000	22500
		M	12006	15225	18270	19975
		L	10074	12775	15330	16425
Power input	W	H	134	152	189	228
Power supply	phase/Voltage/Hz		1/220/50			
Noise level	dB(A)	H	46	48	50	52
Water flow	m³/h		24.7	31.0	34.4	37.8
Water pressure drop	kPa		40	40	40	50
Water inlet/outlet connection pipe	3/4" internal thread					
Condensate water connection pipe	3/4" external thread					
Net weight (no air return box)	kg		26.2	29.1	32.8	35.1
Gross weight (no air return box)	kg		30.1	33.4	38.1	40.4
Net weight (with air return box)	kg		31.4	34.8	39.2	42.2
Gross weight (with air return box)	kg		34.7	38.5	44.0	46.9
Net dimension (L*W*H) (no air return box)	mm		1443*470*225	1593*470*225	1813*470*225	2013*470*225
Shipping dimension (L*W*H) (no air return box)	mm		1490*542*248	1640*542*248	1860*542*248	2060*542*248
Net dimension (L*W*H) (with air return box)	mm		1443*492*246	1593*492*246	1813*492*246	2013*492*246
Shipping dimension (L*W*H) (with air return box)	mm		1490*522*263	1640*522*263	1860*522*263	2060*522*263
Controller (optional)	Wire		HW-CA101AGK	HW-CA101AGK	HW-CA101AGK	HW-CA101AGK
Three way valve (optional)			SVFCE	SVFCE	SVFCE	SVFCE

Option:
 1 Three way valve as the necessary.
 2 4-in-1 optional item.
 Note:
 1 The net weight and shipping dimension are for the models with no return box & filter.
 2 Above air flow and cooling capacity & heating capacity are based on the models with no return box & filter. 57% air flow and 62% cooling capacity and 63% heating capacity are based on the models with return box & filter.
 3 The water inlet direction can be changed based on the actual situation, but the cooling capacity & heating capacity will reduce 15% when changing the water inlet direction.

CEILING CONCEALED FAN COIL

Fan Coil Dimension

Horizontal concealed units

Model	Overall dimension (mm)		
	A	B	C
FCE-034	510	480	693
FCE-051	640	610	823
FCE-068	745	715	958
FCE-085	830	800	1013
FCE-102	960	930	1143
FCE-126	1260	1230	1443
FCE-170	1410	1380	1593
FCE-204	1630	1600	1813
FCE-238	1830	1800	2013

Horizontal concealed units with back return air box

Model	Overall dimension (mm)			
	A	B	C	D
FCE-034	510	480	693	473
FCE-051	640	610	823	603
FCE-068	745	715	958	798
FCE-085	830	800	1013	793
FCE-102	960	930	1143	923
FCE-126	1260	1230	1443	1223
FCE-170	1410	1380	1593	1373
FCE-204	1630	1600	1813	1593
FCE-238	1830	1800	2013	1793

Horizontal concealed units with bottom return air box

Model	Overall dimension (mm)			
	A	B	C	D
FCE-034	510	480	693	473
FCE-051	640	610	823	603
FCE-068	745	715	958	798
FCE-085	830	800	1013	793
FCE-102	960	930	1143	923
FCE-126	1260	1230	1443	1223
FCE-170	1410	1380	1593	1373
FCE-204	1630	1600	1813	1593
FCE-238	1830	1800	2013	1793