

COMMERCIAL-INDUSTRIAL SERIES : FANCOILS

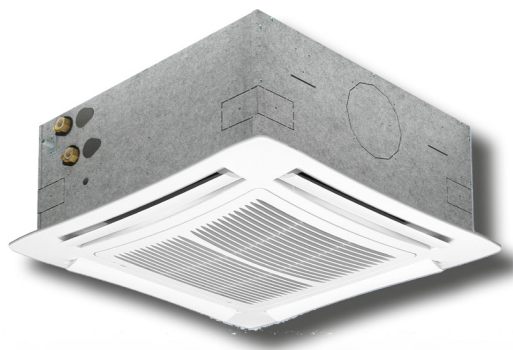
TOP LINE/ TOP LINE-ECM - CASSETTE FANCOIL

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Features



Optional



Main Features

DC Inverter Motors

The Coolwell cassette fancoils are made with synchronous brushless DC motors with permanent magnets and with efficiency up to 90%. These motors are much more durable than AC motors because they do not have any kind of friction.

The TOP LINE ECM model incorporates a last generation electronic motor controlled by an inverter board. Thanks to this technology we reduce consumption up to 75% comparing with another motor of the same power.



Elegance And Quality

The TOP LINE cassette-type fancoils have an elegant design as well as unmatched quality, being the perfect solution for conditioning rooms with modular ceilings. There are two sizes: small equipment of 600x600 mm and the other cassettes of 800x800.



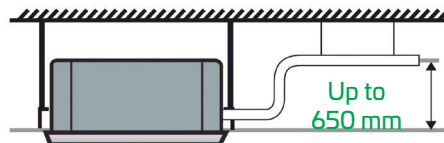
Easy Access Filters

The Coolwell TOP LINE series filters are easily accessible, no adjoining panels need to be removed. The filter is synthetic and can be washed.



Condensate Pump

The Coolwell cassette fancoils are equipped with a pump to evacuate condensed water, allowing the water to be raised up to a height of 650 mm from the tray.



The installation manual contains instructions and limitations related to this topic.

TOP LINE - CASSETTE FANCOIL

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Unit code			TL-02	TL-12	TL-22	TL-32
Power supply		F-V-Hz	Monophase 220-240V 50Hz			
Water flow		l / s	0.1	0.13	0.21	0.24
Refrigeration	Capacity	KW	1.98	2.68	4.33	5.02
	Sensible capacity	KW	1.64	2.04	3.18	3.74
	Dp (pressure drop)	kPa	10	9.7	15.1	19.7
Heating	Capacity	KW	2.64	3.35	5.23	6.17
	Dp (pressure drop)	kPa	9	8.2	11.4	17.7
Fan	Type		GMV			
	Input power	W	57	44	68	90
Unit	Dimensions (L-P-A)	mm	575 x 575 x 275			
	Net weight	Kg	28	28	30	30
	Dimensions with packaging (L-P-A)	mm	650 x 650 x 300			
	Weigth with packaging	Kg	31	31	33	33
Sound power Lw	max	dB	31	31	36	36
Sound pressure Lp	max	dB	40	36	44	50
Panel	Dimensions (L-P-A)	mm	600 x 600 x 55			

Unit code			TL-42	TL-52	TL-62
Power supply		F-V-Hz	Monofásica 220-240V 50Hz		
Water flow		l / s	0.29	0.46	0.54
Refrigeration	Capacity	KW	6.16	9.51	11.1
	Sensible capacity	KW	4.59	6.48	8.25
	Dp (pressure drop)	kPa	21.6	26.9	35.6
Heating	Capacity	KW	7.77	10.71	14
	Dp (pressure drop)	kPa	15.1	23	30.6
Fan	Type		GMV		
	Input power	W	77	120	170
Unit	Dimensions (L-P-A)	mm	820 x 820 x 303		
	Net weight	Kg	44	47	47
	Dimensions with packaging (L-P-A)	mm	910 x 910 x 350		
	Weight with packaging	Kg	46	49	49
Sound power Lw	max	dB	31	31	39
Sound pressure Lp	max	dB	39	44	49
Panel	Dimensions (L-P-A)	mm	900 x 900 x 55		

Based on conditions:

Cooling mode: Outdoor air temperature: 27 °C DB / 19 °C WB; Water inlet: 7°C, Water outlet: 12 °C.

Heating mode (with 2 tubes): Outdoor air temperature: 20 °C DB; Water temperature: 50 °C.

TOP LINE-ECM - CASSETTE FANCOIL

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Unit code			TL-ECM-12	TL-ECM-22	TL-ECM-32
Power supply		F-V-Hz	Monophase 220-240V 50Hz		
Water flow		l / s	0.13	0.21	0.25
Refrigeration	Capacity	KW	2.8	4.4	5.09
	Sensible capacity	KW	2.05	3.1	3.65
	Dp (pressure drop)	kPa	10.3	15.6	20.3
Heating	Capacity	KW	3.18	4.9	5.7
	Dp (pressure drop)	kPa	0.08	0.12	0.14
Fan	Type		EC		
	Input power	W	22	31	62
Unit	Dimensions (L-P-A)	mm	575 x 575 x 275		
	Net weight	Kg	28	28	30
	Dimensions with packaging (L-P-A)	mm	650 x 650 x 300		
	Weight with packaging	Kg	30	30	31
Sound power Lw	max	dB	47	54	60
Sound pressure Lp	max	dB	38	45	51
Panel	Dimensions (L-P-A)	mm	600 x 600 x 55		

Unit code			TL-ECM-42	TL-ECM-52
Power supply		F-V-Hz	Monophase 220-240V 50Hz	
Water flow		l / s	0.31	0.53
Refrigeration	Capacity	KW	6.44	11.03
	Sensible capacity	KW	4.6	7.8
	Dp (pressure drop)	kPa	22.9	34.8
Heating	Capacity	KW	7.5	11.8
	Dp (pressure drop)	kPa	7.5	9.8
Fan	Type		EC	
	Input power	W	33	108
Unit	Dimensions (L-P-A)	mm	820 x 820 x 303	
	Net weight	Kg	44	47
	Dimensions with packaging (L-P-A)	mm	910 x 910 x 350	
	Weight with packaging	Kg	46	49
Sound power Lw	max	dB	48	57
Sound pressure Lp	max	dB	39	48
Panel	Dimensions (L-P-A)	mm	900 x 900 x 55	

Based on conditions:

Cooling mode: Outdoor air temperature: 27 °C DB / 19 °C WB; Water inlet: 7 °C, Water outlet: 12 °C.

Heating mode (with 2 tubes): Outdoor air temperature: 20 °C DB; Water temperature: 50 °C.