

TOPAIRE

AIR CONDITIONER



Chilled Water Fancoils Unit

Slim • Stylish • Space Saving

 Innovation Beyond Comfort

Chilled Water Ceiling Cassette FCU

Perfect Solution For Your Interior Design Concept

Features

- ✔ Slim, Stylish with removable easy to clean air filters grilles and discharge panels.
- ✔ Unified square air discharge panels.
- ✔ LED light indicator with digital temperature display panel & auto restart function.
- ✔ 4 way air distribution with auto air swing (Up & Down).
- ✔ Aerodynamic turbo fan to enhance strong air flow for better air circulation & distribution.
- ✔ Anti-mold & long lasting washable saran net air filter.
- ✔ Innovative evaporator coil with anti corrosion hydrophilic coated slit fins and inner grooves copper tubes to maximize the cooling capacity.
- ✔ Built-in high head water drain pump.



Completed With Internal Thread Chilled Water Header

Specifications

MODEL			TCS 13GCW	TCS 16GCW	TCS 20GCW	TCS 25GCW	TCS 30GCW	TCS 40GCW	TCS 50GCW
NOMINAL CAPACITY		Btu/hr	12,600	15,350	19,500	24,800	28,000	35,500	44,000
		kW	3.70	4.50	5.70	7.27	8.22	10.39	12.90
Power Supply		V/Ph/Hz	220-240 / 1 / 50						
Chilled Water Flow Rate		usgpm	2.80	3.40	4.32	5.50	6.22	8.22	10.20
Chilled Water Pressure Drop		ftwg	7.92	7.92	7.96	9.0	10.0	14.7	15.39
Chilled Water	In	inch	Ø3/4" INTERNAL THREAD						
Piping Connection	Out	inch	Ø3/4" INTERNAL THREAD						
Fan	Type		AERODYNAMICALLY DESIGNED TURBO FAN						
	Air Flow	CFM	400	500	600	820	950	1180	1500
	Power Input	Watt	70	95	125	150	155	190	190
	Rated Current	A	0.40	0.50	0.60	0.75	0.78	0.95	0.95
	Sound Level	db(A)	42/39/32	45/42/34	45/41/36	47/43/38	48/44/39	49/45/40	50/46/41
Evaporator Coil	Face Area	ft²	3.0	3.0	3.5	5.3	5.3	5.3	5.6
	Tube		SEAMLESS COPPER TUBE						
	Fin		HYDROPHILIC ALUMINIUM BLUE FIN						
Control	Room Temperature		MICROCOMPUTER CONTROLLER THERMOSTAT						
	Control Display		LED INDICATOR LIGHT WITH DIGITAL TEMPERATURE DISPLAY PANEL						
	Air Discharge		4 WAY (UP & DOWN)						
	Operation		WIRELESS REMOTE CONTROL						
Condensate Drainage			AUTOMATIC MOTOR PUMP						
Air Filter			WASHABLE FILTER						
Discharge grille / panel	Width	mm	650	650	950	950	950	950	950
	Depth	mm	650	650	950	950	950	950	950
	Height	mm	50	50	45	45	45	45	45
Open Hole for Installation		mm	600 x 600	600 x 600	880 x 880	880 x 880	880 x 880	880 x 880	880 x 880
Unit Dimension	Width	mm	575	575	840	840	840	840	840
	Depth	mm	575	575	840	840	840	840	840
	Height	mm	261	261	230	300	300	300	300
Net Weight		kg	16.5	16.5	25	31	31	31	32

All the specifications are subject to change by the manufacturer without prior notice.

Note : The nominal cooling capacity is base on entering / leaving chilled water temp. 7 / 12°C ; indoor on coil temp. 27 / 19°C (DB / WB).

Chilled Water Low Static Ducted FCU

Slim design, low noise and superior cooling comfort for various interior decoration and design concept



Features

- Dynamic centrifugal fan with low noise and strong air flow.
- Completed with 3/4" Mbsp internal thread piping connection.
- Anti-mould and long lasting washable saran net air filter.
- Durable galvanize steel casing.
- Innovative evaporator coil with anti corrosion hydrophilic coated slit fins and inner grooves copper tubes to maximize the cooling capacity.

Specifications

MODEL			TFCR 300E	TFCR 400E	TFCR 500E	TFCR 600E	TFCR 800E	TFCR 1000E	TFCR 1200E	TFCR 1400E
NOMINAL CAPACITY	Btu/hr		10,850	13,800	16,780	19,890	27,680	31,730	40,260	44,360
	kW		3.18	4.04	4.92	5.83	8.11	9.30	11.80	13.00
Power Supply	V/Ph/Hz		220-240 / 1 / 50							
Chilled Water Flow Rate	usgpm		2.4	3.2	4.0	4.4	6.2	7.0	8.9	9.8
Chilled Water Pressure Drop	ftwg		8.4	6.0	7.0	10.0	10.0	13.0	9.4	16.4
Chilled Water Piping Connection	In	inch	Ø3/4" INTERNAL THREAD							
	Out	inch	Ø3/4" INTERNAL THREAD							
Drainage			Ø3/4" EXTERNAL THREAD							
Motor	Type		3 SPEED P.S.C							
	Power Input	Watt	75	90	110	150	178	228	270	340
	Rated Current	A	0.42	0.49	0.55	0.77	1.14	1.7	1.8	2.2
Fan	Type		CENTRIFUGAL / DIRECT DRIVE							
	Air Flow	CFM	306	400	500	606	812	1006	1200	1412
	ESP	inwg	0.25							
	Quantity		2				3	4		
	Sound Level	db(A)	44	47	47	50	52	54	54	56
Evaporator Coil	Face Area	ft²	1.3	1.5	1.7	1.9	1.1	3.0	3.3	4.1
	Rows / FPI		3 / 12							
	Tube		SEAMLESS COPPER TUBE							
	Fin		ALUMINIUM SLIT FIN							
Air Filter			WASHABLE FILTER							
Unit Dimension	Width	mm	470	470	470	470	470	470	490	490
	Depth	mm	805	895	995	1105	1435	1635	1765	1765
	Height	mm	240	240	240	240	240	240	250	300
Net Weight		kg	17	17	18	20	27	31	34	39

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Note : The nominal cooling capacity is base on entering / leaving chilled water temp. 7 / 12°C ; indoor on coil temp. 27 / 19°C (DB / WB).

Chilled Water Medium Static Ducted FCU

Horizontal Blow Ducted Unit



THCB 30 / 40F



THCB 50 / 60 / 70F

Features

- Dynamic centrifugal fan with low noise and strong air flow.
- Completed with 3/4" Mbsp internal thread piping connection.
- Anti-mould and long lasting washable saran net air filter.
- Durable galvanize steel casing.

Specifications

MODEL			THCB 30F	THCB 40F	THCB 50F	THCB 60F	THCB 70F
NOMINAL CAPACITY	Btu/hr		30,000	41,000	48,000	54,000	68,000
	kW		8.80	12.00	14.10	15.80	19.90
Power Supply	V/Ph/Hz		220-240 / 1 / 50				
Chilled Water Flow Rate	usgpm		6.7	9.1	10.7	12.0	15.1
Chilled Water Pressure Drop	ftwg		8	12.0	20.1	26.1	36.8
Chilled Water Piping Connection	In	inch	Ø3/4" INTERNAL THREAD				
	Out	inch	Ø3/4" INTERNAL THREAD				
Drainage			Ø3/4" EXTERNAL THREAD				
Motor	Type		3 SPEED P.S.C				
	Power Input	Watt	350	350	550	800	950
	Rated Ampere	A	1.59	1.59	2.50	3.64	4.32
Fan	Type		CENTRIFUGAL / DIRECT DRIVE				
	Air Flow	CFM	1000	1400	1600	1800	2200
	ESP	inwg	0.4			0.5	
	Quantity		1	1	2	2	2
	Sound Level	db(A)	50	52	24	60	61
Evaporator Coil	Face Area	ft ²	2.7	2.7	3.8	3.8	4.0
	Rows / FPI		3 / 16	3 / 16	3 / 16	3 / 16	3 / 16
	Tube		SEAMLESS COPPER TUBE				
	Fin		ALUMINIUM SLIT FIN				
Air Filter			WASHABLE FILTER				
Unit Dimension	Width	mm	946	946	1290	1290	1290
	Depth	mm	816	816	809	809	809
	Height	mm	400	400	400	400	400
Net Weight		kg	52	54	76	76	76

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