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FAN COIL UNIT

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شركة ويند ماسون العربية

حلول التكييف و الطاقة

TO REVOLUTIONIZE THE COOLING INDUSTRY

Cooling products are the biggest consumers of electricity at Homes, offices, restaurants, markets, stores, warehouses and almost all the places. As they consume the most electricity, these products consume the most resources of the owner. And reducing the energy consumption of these cooling products means the reduction in overall resources usage.
If we look at the big picture, revolution in this industry alone can solve a country's energy crisis and issues single-handedly. Thus, we realized that such products that provide cooling with limited energy consumption are worth developing. These energy efficient cooling products are good for the person using it and also good for the overall society.
Keeping this all in mind we took an initiative to make a company that will develop an array of products through a well-planned "Research and development" process. And here we are today, producing the most efficient cooling products in the market. Our products save up-to 80% energy, low maintenance, dust resistant, reduced water consumption and many more small benefits which distinguishes us from other regular old-fashioned products.

(FCU)
FAN COIL UNIT

(LINE UP)

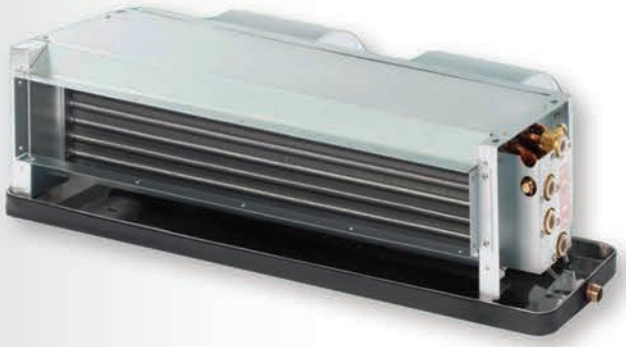
MODEL
WRC

Applicable to various kinds of
Static Pressure Requirements &
Specialy Designed for Low Sound
Operations

MODEL
WCRH

Larger Air Volume
High Static &
Low Profile Unit

(FCU)
FAN COIL UNIT



WRC
Ceiling Recessed Model

WCRH
Ceiling Recessed High Static Model

- **Ceiling Mount Exposed Model** WC
- **Floor Mount Exposed Model** WF
- **Floor Mount Recessed Model** WFR

FOR 240V

(FCU)
FAN COIL UNIT SERIES

Technical Information:
Specifications & Dimensions

Specification

Unit Size		300	400	600	800	1000	1200	1400
Air Volume l/s	H	137	186	251	303	410	498	586
	M	118	161	214	256	352	427	496
	L	91	122	166	190	277	332	368
Cooling Capacity kW	SH	1.4	2.1	2.9	3.6	4.4	5.5	6.5
	TH	1.7	2.7	3.8	5.0	5.6	7.2	8.6
Heating Capacity kW		4.1	5.9	7.9	9.8	12.4	15.2	17.8
Water Flow l/s		0.08	0.14	0.19	0.25	0.27	0.35	0.42
W.P.D. kPa		2	7	13	28	6	11	16
Input Power W		64	72	94	128	159	183	252
Running Current A		0.26	0.30	0.39	0.55	0.67	0.76	1.09
Noise dB(A)	H	43.0	40.5	44.0	46.5	47.5	47.0	50.0
	M	39.5	37.0	41.0	43.0	44.5	43.0	46.0
	L	33.5	31.0	35.5	36.0	29.5	37.0	39.5
Weight kg (without plenum)		19	22	24	28	36	42	45
Weight kg (with plenum)		23	27	30	35	44	55	60
Holding Water Volume L		0.8	1.1	1.3	1.7	2.0	2.4	2.7
Casing		Galvanized Steel						
Fan		Galvanized sheet fabricated, Forward-Curved DIDW Fan						
Motor		3-Speed, PSC with Capacitor Cap and Flexible Conduit						
Power Source		AC240V, 50Hz, Single Phase						
Coil		Slit Surfaced, Aluminum Finned Coil complete with Female Sockets at Inlet/Outlet Conn. And Air Vent						
Operating Pressure		Max 1700kPa (250psig) unless otherwise specified						
Drain Pan		Stainless Steel, SUS430						

Note:
1. Cooling capacity is based on DB24°C, WB17.8°C, EWT7°C, LWT12°C.
2. Heating capacity is based on DB20°C, EWT60, same water flow as cooling.
3. Cooling/Heating Capacity, Input Power, Running Current are based on H speed.
4. Noise is measured at an anechoic chamber, 1m from the unit surface.
5. Running current may change according to the conditions.
6. Air volume is based on ESP 30Pa at H speed without plenum and filter.

(FCU)
FAN COIL UNIT SERIES

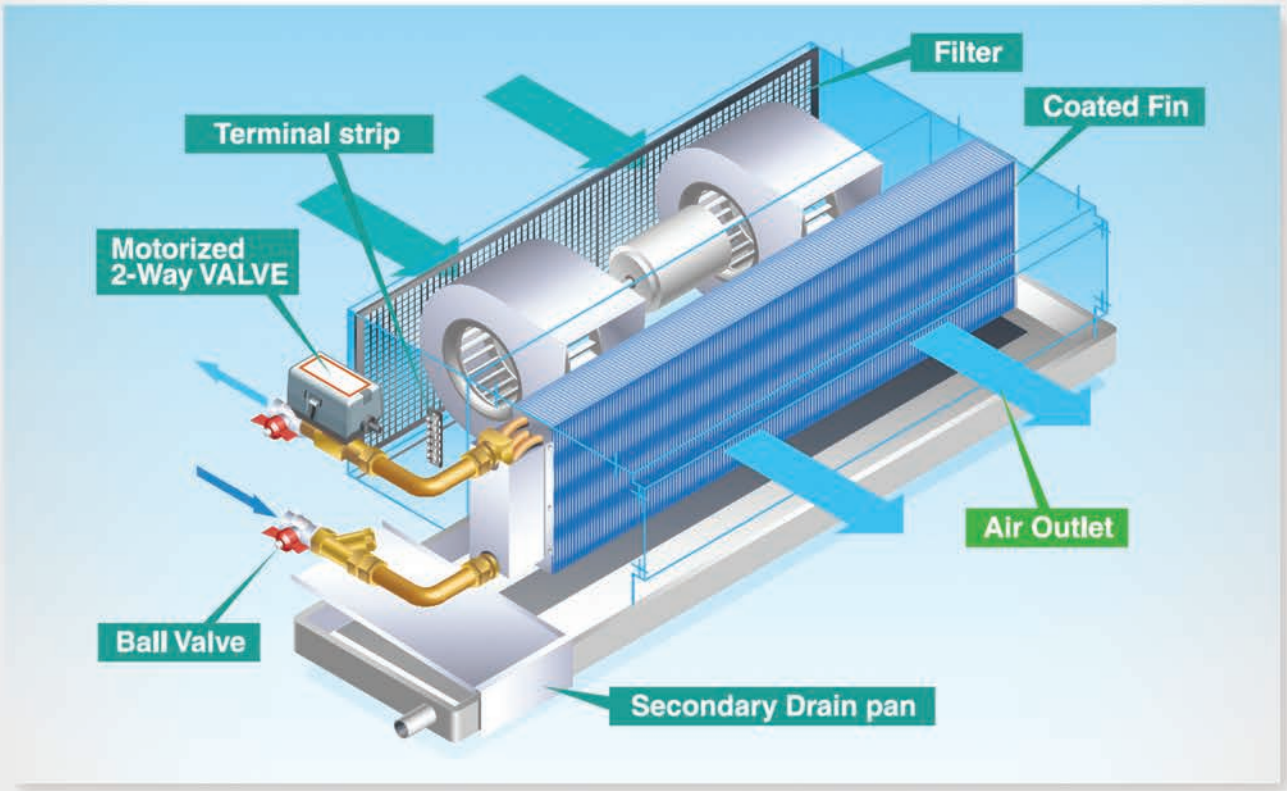
Technical Information:
Specifications & Dimensions

Specification

Unit Size		600
Air Volume l/s	H	402
	M	381
	L	349
Cooling Capacity kW	SH	4.9
	TH	6.8
Heating Capacity kW		13.4
Water Flow l/s		0.33
W.P.D. kPa		22
Input Power W		281
Running Current A		1.16
Noise dB(A)	H	57.0
	M	56.0
	L	55.0
Weight kg (without plenum)		35
Weight kg (with plenum)		37
Holding Water Volume L		2.6
Casing		Galvanized Steel
Fan		Galvanized sheet fabricated, Forward-Curved DIDW Fan
Motor		3-Speed, PSC with Capacitor Cap and Flexible Conduit
Power Source		AC240V, 50Hz, Single Phase
Coil		Slit Surfaced, Aluminum Finned Coil complete with Female Sockets at Inlet/Outlet Conn. And Air Vent
Operating Pressure		Max 1700kPa (250psig) unless otherwise specified
Drain Pan		Stainless Steel, SUS430

Note:
1. Cooling capacity is based on DB24°C, WB17.8°C, EWT7°C, LWT12°C.
2. Heating capacity is based on DB20°C, EWT60, same water flow as cooling.
3. Cooling/Heating Capacity, Input Power, Running Current are based on H speed.
4. Noise is measured at an anechoic chamber, 1m from the unit surface.
5. Running current may change according to the conditions.
6. Air volume is based on ESP 100Pa at H speed without plenum and filter.

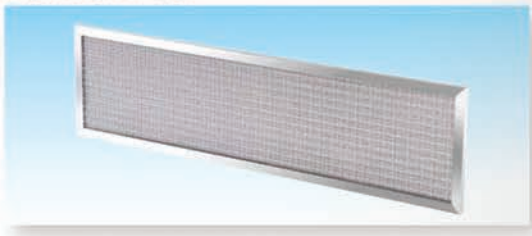
Summary of FCU Optional Components



Ball Valve

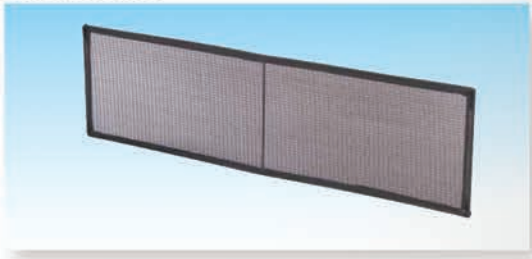
Strainer

Aluminum Filter

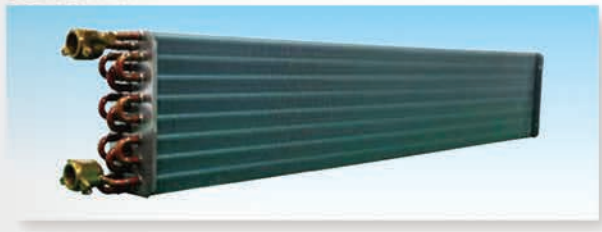


Motorized 2-way Valve

Saranet Filter



Coated Fin



Secondary Drain Pan

FAN COIL UNIT SERIES Technical Information: Coil Preformance (Cooling/Heating)

WRC-4SW-3R Ceiling Recessed Model-Standard Model (3-Row Cooling/Heating)

COOLING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=24.0°C WB=17.8°C (55%)									Entering Air Condition DB=26.0°C WB=19.5°C (55%)								
			Entering Water Temperature									Entering Water Temperature								
			5°C			7°C			9°C			5°C			7°C			9°C		
			SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)
300	0.05	0.8	1.22	1.47	7.0	1.11	1.30	6.2	1.01	1.13	5.4	1.31	1.67	8.0	1.19	1.50	7.2	1.08	1.32	6.3
	0.10	2.8	1.61	2.07	4.9	1.46	1.82	4.4	1.31	1.57	3.8	1.73	2.36	5.7	1.58	2.12	5.1	1.43	1.86	4.5
	0.15	5.6	1.78	2.38	3.8	1.61	2.10	3.3	1.45	1.80	2.9	1.93	2.73	4.4	1.75	2.45	3.9	1.59	2.15	3.4
	0.20	9.2	1.88	2.58	3.1	1.69	2.27	2.7	1.52	1.94	2.3	2.03	2.97	3.6	1.85	2.66	3.2	1.67	2.33	2.8
400	0.10	3.9	2.15	2.80	6.7	1.95	2.47	5.9	1.76	2.13	5.1	2.32	3.20	7.7	2.11	2.87	6.9	1.91	2.53	6.0
	0.15	8.0	2.40	3.25	5.2	2.17	2.86	4.6	1.95	2.46	3.9	2.59	3.72	5.9	2.36	3.33	5.3	2.13	2.93	4.7
	0.20	13.1	2.53	3.54	4.2	2.29	3.11	3.7	2.06	2.67	3.2	2.74	4.06	4.9	2.49	3.63	4.3	2.25	3.19	3.8
	0.25	19.3	2.62	3.74	3.6	2.36	3.29	3.1	2.12	2.82	2.7	2.83	4.30	4.1	2.58	3.85	3.7	2.33	3.38	3.2
600	0.10	4.6	2.66	3.42	8.2	2.41	3.02	7.2	2.18	2.60	6.2	2.86	3.90	9.3	2.60	3.49	8.4	2.36	3.08	7.4
	0.15	9.3	3.01	4.03	6.4	2.73	3.55	5.7	2.46	3.05	4.9	3.25	4.61	7.3	2.96	4.13	6.6	2.68	3.63	5.8
	0.20	15.2	3.22	4.43	5.3	2.91	3.90	4.7	2.62	3.35	4.0	3.47	5.08	6.1	3.16	4.55	5.4	2.86	3.99	4.8
	0.30	30.7	3.44	4.94	3.9	3.11	4.34	3.5	2.79	3.72	3.0	3.72	5.68	4.5	3.39	5.08	4.1	3.06	4.46	3.6
800	0.15	12.0	3.62	4.88	7.8	3.27	4.30	6.9	2.95	3.70	5.9	3.90	5.58	8.9	3.55	5.00	8.0	3.22	4.40	7.0
	0.20	19.7	3.89	5.40	6.5	3.51	4.75	5.7	3.16	4.08	4.9	4.20	6.19	7.4	3.82	5.54	6.6	3.46	4.87	5.8
	0.25	29.0	4.06	5.78	5.5	3.67	5.08	4.9	3.30	4.36	4.2	4.40	6.64	6.3	4.00	5.94	5.7	3.62	5.21	5.0
	0.30	39.7	4.19	6.07	4.8	3.78	5.34	4.3	3.39	4.57	3.6	4.54	6.98	5.6	4.13	6.25	5.0	3.73	5.48	4.4
1000	0.20	3.4	4.45	5.67	6.8	4.04	5.01	6.0	3.65	4.32	5.2	4.78	6.47	7.7	4.36	5.81	6.9	3.96	5.11	6.1
	0.30	6.9	5.01	6.64	5.3	4.53	5.85	4.7	4.08	5.03	4.0	5.40	7.60	6.1	4.92	6.81	5.4	4.45	5.98	4.8
	0.40	11.3	5.32	7.26	4.3	4.81	6.39	3.8	4.33	5.48	3.3	5.75	8.33	5.0	5.23	7.46	4.5	4.73	6.55	3.9
	0.50	16.6	5.52	7.71	3.7	4.99	6.78	3.2	4.48	5.81	2.8	5.97	8.86	4.2	5.43	7.93	3.8	4.91	6.96	3.3
1200	0.20	4.0	5.18	6.59	7.9	4.70	5.82	7.0	4.25	5.02	6.0	5.56	7.51	9.0	5.07	6.73	8.0	4.60	5.93	7.1
	0.30	8.1	5.87	7.77	6.2	5.32	6.85	5.5	4.79	5.89	4.7	6.32	8.89	7.1	5.76	7.96	6.3	5.22	7.00	5.6
	0.40	13.2	6.27	8.54	5.1	5.67	7.52	4.5	5.11	6.46	3.9	6.77	9.80	5.9	6.16	8.77	5.2	5.58	7.71	4.6
	0.50	19.5	6.53	9.10	4.4	5.90	8.01	3.8	5.31	6.87	3.3	7.06	10.45	5.0	6.43	9.36	4.5	5.81	8.22	3.9
1400	0.20	4.4	5.80	7.34	8.8	5.26	6.49	7.8	4.77	5.60	6.7	6.22	8.36	10.0	5.67	7.50	9.0	5.15	6.61	7.9
	0.30	8.9	6.64	8.74	7.0	6.01	7.70	6.1	5.43	6.64	5.3	7.15	9.98	8.0	6.51	8.95	7.1	5.90	7.87	6.3
	0.40	14.7	7.14	9.66	5.8	6.46	8.51	5.1	5.81	7.32	4.4	7.70	11.07	6.6	7.01	9.92	5.9	6.35	8.72	5.2
	0.55	25.4	7.58	10.61	4.6	6.85	9.34	4.1	6.16	8.01	3.5	8.20	12.18	5.3	7.46	10.91	4.7	6.75	9.58	4.2

HEATING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=20.0°C									Entering Air Condition DB=22.0°C								
			Entering Water Temperature									Entering Water Temperature								
			40°C		50°C		60°C		70°C		80°C	40°C		50°C		60°C		70°C		80°C	
			TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)
300	0.05	0.8	1.87	9.0	2.81	13.4	3.74	17.9	4.68	22.4	5.62	26.9	1.68	8.1	2.62	12.5	3.55	17.0	4.49	21.5	5.43	26.0
	0.10	2.8	2.12	5.1	3.19	7.6	4.25	10.2	5.32	12.7	6.38	15.3	1.91	4.6	2.98	7.1	4.04	9.7	5.11	12.2	6.17	14.8
	0.15	5.6	2.23	3.6	3.35	5.3	4.47	7.1	5.59	8.9	6.71	10.7	2.01	3.2	3.13	5.0	4.25	6.8	5.36	8.6	6.48	10.3
	0.20	9.2	2.29	2.7	3.44	4.1	4.59	5.5	5.74	6.9	6.89	8.2	2.06	2.5	3.21	3.8	4.36	5.2	5.51	6.6	6.66	8.0
400	0.10	3.9	2.84	6.8	4.26	10.2	5.68	13.6	7.10	17.0	8.53	20.4	2.55	6.1	3.98	9.5	5.40	12.9	6.82	16.3	8.24	19.7
	0.15	8.0	3.02	4.8	4.54	7.2	6.05	9.7	7.57	12.1	9.08	14.5	2.72	4.3	4.24	6.8	5.75	9.2	7.27	11.6	8.78	14.0
	0.20	13.1	3.13	3.7	4.70	5.6	6.27	7.5	7.84	9.4	9.40	11.2	2.82	3.4	4.39	5.2	5.95	7.1	7.52	9.0	9.09	10.9
	0.25	19.3	3.20	3.1	4.80	4.6	6.41	6.1	8.01	7.7	9.61	9.2	2.88	2.8	4.48	4.3	6.09	5.8	7.69	7.4	9.29	8.9
600	0.10	4.6	3.52	8.4	5.29	12.6	7.05	16.9	8.81	21.1	10.58	25.3	3.17	7.6	4.93	11.8	6.70	16.0	8.46	20.2	10.23	24.4
	0.15	9.3	3.81	6.1	5.72	9.1	7.63	12.2	9.53	15.2	11.44	18.2	3.43	5.5	5.34	8.5	7.25	11.5	9.15	14.6	11.06	17.6
	0.20	15.2	3.98	4.8	5.97	7.1	7.96	9.5	9.95	11.9	11.95	14.3	3.58	4.3	5.57	6.7	7.56	9.0	9.55	11.4	11.55	13.8
	0.30	30.7	4.17	3.3	6.26	5.0	8.34	6.6	10.43	8.3	12.52	10.0	3.75	3.0	5.84	4.7	7.93	6.3	10.01	8.0	12.10	9.6
800	0.15	12.0	4.55	7.3	6.83	10.9	9.11	14.5	11.38	18.1	13.66	21.8	4.09	6.5	6.37	10.2	8.65	13.8	10.93	17.4	13.20	21.0
	0.20	19.7	4.78	5.7	7.18	8.6	9.57	11.4	11.97	14.3	14.36	17.2	4.31	5.1	6.70	8.0	9.10	10.9	11.49	13.7	13.88	16.6
	0.25	29.0	4.94	4.7	7.41	7.1	9.89	9.5	12.36	11.8	14.83	14.2	4.45	4.3	6.92	6.6	9.39	9.0	11.86	11.3	14.34	13.7
	0.30	39.7	5.05	4.0	7.58	6.0	10.11	8.1	12.64	10.1	15.17	12.1	4.55	3.6	7.08	5.6	9.60	7.7	12.13	9.7	14.66	11.7
1000	0.20	3.4	5.91	7.1	8.86	10.6	11.82	14.1	14.78	17.7	17.73	21.2	5.32	6.4	8.27	9.9	11.23	13.4	14.19	16.9	17.14	20.5
	0.30	6.9	6.32	5.0	9.48	7.6	12.64	10.1	15.80	12.6	18.96	15.1	5.68	4.5	8.84	7.0	12.00	9.6	15.17	12.1	18.33	14.6
	0.40	11.3	6.55	3.9	9.83	5.9	13.11	7.8	16.39	9.8	19.66	11.7	5.90	3.5	9.17	5.5	12.45	7.4	15.73	9.4	19.01	11.4
	0.50	16.6	6.71	3.2	10.06	4.8	13.42	6.4	16.77	8.0	20.13	9.6	6.04	2.9	9.39	4.5	12.75	6.1	16.10	7.7	19.46	9.3
1200	0.20	4.0	6.88	8.2	10.33	12.3	13.77	16.5	17.22	20.6	20.66	24.7	6.19	7.4	9.64	11.5	13.08	15.6	16.53	19.7	19.97	23.9
	0.30	8.1	7.44	5.9	11.16	8.9	14.88	11.8	18.60	14.8	22.32	17.8	6.69	5.3	10.41	8.3	14.13	11.3	17.85	14.2	21.57	17.2
	0.40	13.2	7.76	4.6	11.64	7.0	15.52	9.3	19.40	11.6	23.28	13.9	6.98	4.2	10.86	6.5	14.74	8.8	18.62	11.1	22.50	13.4
	0.50	19.5	7.97	3.8	11.96	5.7	15.95	7.6	19.93	9.5	23.92	11.4	7.17	3.4	11.16	5.3	15.15	7.2	19.14	9.1	23.12	11.1
1400	0.20	4.4	7.73	9.2	11.60	13.9	15.47	18.5	19.34	23.1	23.21	27.7	6.96	8.3	10.83	12.9	14.70	17.6	18.57	22.2	22.44	26.8
	0.30	8.9	8.43	6.7	12.65	10.1	16.87	13.4	21.09	16.8	25.30	20.2	7.59	6.0	11.81	9.4	16.02	12.8	20.24	16.1	24.46	19.5
	0.40	14.7	8.84	5.3	13.27	7.9	17.69	10.6	22.11	13.2	26.54	15.9	7.96	4.8	12.38	7.4	16.80	10.0	21.23	12.7	25.65	15.3
	0.55	25.4	9.22	4.0	13.84	6.0	18.45	8.0	23.07	10.0	27.68	12.0	8.30	3.6	12.92	5.6	17.53	7.6	22.14	9.6	26.76	11.6

FAN COIL UNIT SERIES Technical Information: Coil Preformance (Cooling/Heating)

WRC-4SW-4R Ceiling Recessed Model-Standard Model (4-Row Cooling/Heating)

COOLING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=24.0°C WB=17.8°C (55%)									Entering Air Condition DB=26.0°C WB=19.5°C (55%)								
			Entering Water Temperature									Entering Water Temperature								
			5°C			7°C			9°C			5°C			7°C			9°C		
			SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)
300	0.05	0.5	1.23	1.52	7.3	1.12	1.34	6.4	1.01	1.16	5.6	1.32	1.73	8.3	1.20	1.55	7.4	1.09	1.37	6.6
	0.10	1.7	1.65	2.18	5.2	1.49	1.92	4.6	1.34	1.65	3.9	1.78	2.49	6.0	1.62	2.23	5.3	1.46	1.96	4.7
	0.15	3.4	1.83	2.53	4.0	1.66	2.22	3.5	1.49	1.90	3.0	1.98	2.90	4.6	1.81	2.60	4.1	1.63	2.28	3.6
	0.20	5.6	1.94	2.75	3.3	1.75	2.42	2.9	1.57	2.07	2.5	2.10	3.17	3.8	1.91	2.83	3.4	1.72	2.48	3.0
400	0.10	2.4	2.15	2.89	6.9	1.95	2.55	6.1	1.76	2.19	5.2	2.31	3.31	7.9	2.11	2.96	7.1	1.91	2.61	6.2
	0.15	4.8	2.40	3.36	5.4	2.17	2.96	4.7	1.95	2.54	4.1	2.59	3.86	6.2	2.36	3.46	5.5	2.13	3.03	4.8
	0.20	8.0	2.54	3.67	4.4	2.29	3.23	3.9	2.06	2.76	3.3	2.74	4.22	5.0	2.50	3.78	4.5	2.26	3.31	4.0
	0.25	11.7	2.62	3.89	3.7	2.37	3.42	3.3	2.12	2.92	2.8	2.84	4.47	4.3	2.58	4.00	3.8	2.34	3.51	3.4
600	0.10	2.8	2.68	3.55	8.5	2.43	3.13	7.5	2.19	2.70	6.5	2.88	4.05	9.7	2.62	3.63	8.7	2.38	3.20	7.6
	0.15	5.6	3.05	4.21	6.7	2.76	3.71	5.9	2.48	3.18	5.1	3.29	4.82	7.7	2.99	4.32	6.9	2.71	3.80	6.1
	0.20	9.3	3.26	4.64	5.6	2.95	4.09	4.9	2.65	3.50	4.2	3.53	5.33	6.4	3.21	4.77	5.7	2.90	4.19	5.0
	0.30	18.7	3.50	5.20	4.1	3.16	4.57	3.6	2.83	3.91	3.1	3.79	5.99	4.8	3.45	5.36	4.3	3.11	4.70	3.7
800	0.15	7.3	3.77	5.23	8.3	3.41	4.60	7.3	3.07	3.96	6.3	4.06	5.98	9.5	3.70	5.36	8.5	3.35	4.71	7.5
	0.20	12.0	4.07	5.82	7.0	3.68	5.12	6.1	3.31	4.39	5.2	4.40	6.67	8.0	4.00	5.98	7.1	3.62	5.25	6.3
	0.25	17.6	4.27	6.25	6.0	3.86	5.50	5.3	3.46	4.71	4.5	4.62	7.18	6.9	4.21	6.43	6.2	3.80	5.64	5.4
	0.30	24.1	4.41	6.59	5.3	3.98	5.79	4.6	3.57	4.95	3.9	4.78	7.58	6.0	4.35	6.79	5.4	3.93	5.95	4.7
1000	0.20	2.1	4.50	5.92	7.1	4.08	5.22	6.2	3.68	4.50	5.4	4.85	6.76	8.1	4.42	6.06	7.2	4.01	5.34	6.4
	0.30	4.2	5.09	6.97	5.6	4.61	6.14	4.9	4.15	5.27	4.2	5.50	8.00	6.4	5.01	7.16	5.7	4.53	6.29	5.0
	0.40	6.9	5.43	7.66	4.6	4.91	6.74	4.0	4.41	5.77	3.5	5.87	8.80	5.3	5.35	7.88	4.7	4.83	6.91	4.1
	0.50	10.1	5.64	8.15	3.9	5.10	7.17	3.4	4.57	6.13	2.9	6.11	9.38	4.5	5.56	8.39	4.0	5.03	7.36	3.5
1200	0.20	2.4	5.37	7.01	8.4	4.87	6.19	7.4	4.40	5.34	6.4	5.77	7.99	9.6	5.26	7.17	8.6	4.77	6.32	7.5
	0.30	4.9	6.15	8.36	6.7	5.57	7.37	5.9	5.02	6.34	5.0	6.63	9.57	7.6	6.04	8.57	6.8	5.47	7.54	6.0
	0.40	8.1	6.61	9.26	5.5	5.98	8.15	4.9	5.37	6.99	4.2	7.13	10.61	6.3	6.50	9.51	5.7	5.88	8.35	5.0
	0.50	11.8	6.90	9.90	4.7	6.24	8.71	4.2	5.60	7.47	3.6	7.47	11.38	5.4	6.79	10.18	4.9	6.15	8.94	4.3
1400	0.20	2.7	5.89	7.68	9.2	5.35	6.78	8.1	4.83	5.85	7.0	6.33	8.75	10.5	5.77	7.85	9.4	5.24	6.92	8.3
	0.30	5.4	6.80	9.22	7.3	6.15	8.13	6.5	5.55	6.99	5.6	7.32	10.55	8.4	6.67	9.45	7.5	6.04	8.31	6.6
	0.40	8.9	7.33	10.25	6.1	6.63	9.03	5.4	5.97	7.75	4.6	7.92	11.76	7.0	7.21	10.53	6.3	6.53	9.25	5.5
	0.55	15.5	7.82	11.32	4.9	7.07	9.95	4.3	6.34	8.52	3.7	8.46	13.00	5.6	7.70	11.64	5.1	6.96	10.21	4.4

HEATING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=20.0°C										Entering Air Condition DB=22.0°C									
			Entering Water Temperature										Entering Water Temperature									
			40°C		50°C		60°C		70°C		80°C		40°C		50°C		60°C		70°C		80°C	
			TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)
300	0.05	0.5	1.96	9.4	2.94	14.1	3.93	18.8	4.91	23.5	5.89	28.2	1.76	8.5	2.75	13.2	3.73	17.8	4.71	22.5	5.70	27.2
	0.10	1.7	2.24	5.4	3.36	8.0	4.48	10.7	5.60	13.4	6.72	16.1	2.01	4.8	3.13	7.5	4.26	10.2	5.38	12.9	6.50	15.5
	0.15	3.4	2.35	3.8	3.53	5.6	4.71	7.5	5.89	9.4	7.07	11.3	2.12	3.4	3.29	5.3	4.47	7.1	5.65	9.0	6.83	10.9
	0.20	5.6	2.42	2.9	3.63	4.3	4.84	5.8	6.05	7.2	7.26	8.7	2.17	2.6	3.38	4.0	4.59	5.5	5.80	6.9	7.02	8.4
400	0.10	2.4	2.90	6.9	4.35	10.4	5.81	13.9	7.26	17.4	8.71	20.8	2.61	6.2	4.06	9.7	5.52	13.2	6.97	16.7	8.42	20.1
	0.15	4.8	3.09	4.9	4.64	7.4	6.18	9.9	7.73	12.3	9.28	14.8	2.78	4.4	4.33	6.9	5.87	9.4	7.42	11.8	8.97	14.3
	0.20	8.0	3.20	3.8	4.80	5.7	6.40	7.6	8.00	9.6	9.60	11.5	2.88	3.4	4.48	5.4	6.08	7.3	7.68	9.2	9.28	11.1
	0.25	11.7	3.26	3.1	4.90	4.7	6.53	6.2	8.17	7.8	9.80	9.4	2.94	2.8	4.57	4.4	6.21	5.9	7.84	7.5	9.48	9.1
600	0.10	2.8	3.64	8.7	5.46	13.1	7.29	17.4	9.11	21.8	10.93	26.1	3.28	7.8	5.10	12.2	6.92	16.6	8.75	20.9	10.57	25.3
	0.15	5.6	3.94	6.3	5.91	9.4	7.89	12.6	9.86	15.7	11.83	18.9	3.55	5.7	5.52	8.8	7.49	11.9	9.47	15.1	11.44	18.2
	0.20	9.3	4.11	4.9	6.17	7.4	8.23	9.8	10.29	12.3	12.35	14.8	3.70	4.4	5.76	6.9	7.82	9.3	9.88	11.8	11.94	14.3
	0.30	18.7	4.31	3.4	6.46	5.2	8.62	6.9	10.78	8.6	12.94	10.3	3.88	3.1	6.03	4.8	8.19	6.5	10.35	8.2	12.50	10.0
800	0.15	7.3	4.86	7.7	7.29	11.6	9.72	15.5	12.16	19.4	14.59	23.2	4.37	7.0	6.80	10.8	9.24	14.7	11.67	18.6	14.10	22.5
	0.20	12.0	5.12	6.1	7.68	9.2	10.25	12.2	12.81	15.3	15.37	18.4	4.61	5.5	7.17	8.6	9.73	11.6	12.30	14.7	14.86	17.8
	0.25	17.6	5.29	5.1	7.94	7.6	10.59	10.1	13.24	12.7	15.89	15.2	4.76	4.6	7.41	7.1	10.06	9.6	12.71	12.2	15.36	14.7
	0.30	24.1	5.42	4.3	8.13	6.5	10.84	8.6	13.55	10.8	16.26	13.0	4.87	3.9	7.59	6.0	10.30	8.2	13.01	10.4	15.72	12.5
1000	0.20	2.1	6.15	7.4	9.23	11.0	12.31	14.7	15.39	18.4	18.46	22.1	5.54	6.6	8.61	10.3	11.69	14.0	14.77	17.6	17.85	21.3
	0.30	4.2	6.58	5.2	9.87	7.9	13.17	10.5	16.46	13.1	19.75	15.7	5.92	4.7	9.21	7.3	12.51	10.0	15.80	12.6	19.09	15.2
	0.40	6.9	6.82	4.1	10.24	6.1	13.65	8.2	17.07	10.2	20.48	12.2	6.14	3.7	9.56	5.7	12.97	7.7	16.39	9.8	19.80	11.8
	0.50	10.1	6.98	3.3	10.48	5.0	13.97	6.7	17.47	8.3	20.96	10.0	6.29	3.0	9.78	4.7	13.27	6.3	16.77	8.0	20.26	9.7
1200	0.20	2.4	7.40	8.8	11.11	13.3	14.81	17.7	18.52	22.1	22.22	26.5	6.66	8.0	10.37	12.4	14.07	16.8	17.78	21.2	21.48	25.7
	0.30	4.9	8.03	6.4	12.05	9.6	16.06	12.8	20.08	16.0	24.09	19.2	7.22	5.8	11.24	9.0	15.26	12.2	19.27	15.4	23.29	18.6
	0.40	8.1	8.39	5.0	12.59	7.5	16.79	10.0	20.98	12.5	25.18	15.0	7.55	4.5	11.75	7.0	15.95	9.5	20.14	12.0	24.34	14.5
	0.50	11.8	8.63	4.1	12.94	6.2	17.26	8.3	21.58	10.3	25.90	12.4	7.77	3.7	12.08	5.8	16.40	7.8	20.72	9.9	25.03	12.0
1400	0.20	2.7	8.11	9.7	12.16	14.5	16.22	19.4	20.28	24.2	24.33	29.1	7.30	8.7	11.35	13.6	15.41	18.4	19.46	23.3	23.52	28.1
	0.30	5.4	8.86	7.1	13.29	10.6	17.72	14.1	22.15	17.6	26.58	21.2	7.97	6.4	12.40	9.9	16.83	13.4	21.26	16.9	25.70	20.5
	0.40	8.9	9.30	5.6	13.95	8.3	18.60	11.1	23.25	13.9	27.90	16.7	8.37	5.0	13.02	7.8	17.67	10.6	22.32	13.3	26.97	16.1
	0.55	15.5	9.70	4.2	14.55	6.3	19.40	8.4	24.26	10.5	29.11	12.6	8.73	3.8	13.58	5.9	18.43	8.0	23.29	10.1	28.14	12.2

FAN COIL UNIT SERIES Technical Information: Coil Preformance (Cooling/Heating)

TCRH-4HW-4R Ceiling Recessed, High Static Model-High Static, Large Air Volume (4-Row Cooling/Heating)

COOLING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=24.0°C WB=17.8°C (55%)									Entering Air Condition DB=26.0°C WB=19.5°C (55%)								
			Entering Water Temperature									Entering Water Temperature								
			5°C			7°C			9°C			5°C			7°C			9°C		
			SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)
600	0.10	3.3	3.66	4.66	11.14	3.33	4.12	9.85	3.02	3.56	8.53	3.92	5.29	12.65	3.58	4.75	11.36	3.25	4.19	10.03
	0.15	6.7	4.35	5.75	9.17	3.94	5.08	8.09	3.56	4.38	6.98	4.67	6.56	10.45	4.26	5.88	9.38	3.86	5.18	8.26
	0.20	11.0	4.78	6.51	7.78	4.33	5.74	6.86	3.91	4.94	5.91	5.15	7.44	8.90	4.69	6.67	7.98	4.25	5.87	7.02
	0.30	22.2	5.29	7.52	5.99	4.79	6.62	5.28	4.31	5.68	4.53	5.72	8.62	6.87	5.21	7.73	6.16	4.71	6.78	5.41
1000	0.10	1.4	4.38	5.08	12.15	4.00	4.51	10.79	3.67	3.94	9.43	4.64	5.71	13.66	4.25	5.14	12.30	3.88	4.56	10.91
	0.20	4.6	6.72	8.60	10.27	6.11	7.60	9.09	5.54	6.58	7.87	7.18	9.76	11.66	6.56	8.76	10.47	5.97	7.74	9.25
	0.30	9.3	7.73	10.52	8.39	7.00	9.29	7.40	6.33	8.00	6.37	8.31	12.01	9.57	7.57	10.77	8.58	6.87	9.48	7.56
	0.40	15.2	8.22	11.74	7.01	7.44	10.34	6.18	6.70	8.88	5.31	8.86	13.44	8.03	8.07	12.04	7.19	7.31	10.58	6.32
1200	0.15	0.5	4.71	5.43	8.65	4.30	4.82	7.68	3.92	4.20	6.70	5.01	6.13	9.77	4.58	5.51	8.79	4.18	4.88	7.78
	0.20	0.9	5.94	7.12	8.51	5.41	6.30	7.54	4.92	5.47	6.54	6.35	8.08	9.65	5.80	7.25	8.67	5.28	6.41	7.66
	0.30	1.8	7.54	9.58	7.63	6.84	8.46	6.74	6.19	7.30	5.82	8.10	10.92	8.70	7.38	9.80	7.81	6.70	8.63	6.88
	0.55	5.1	9.15	12.77	5.55	8.27	11.24	4.88	7.43	9.64	4.19	9.90	14.67	6.37	9.01	13.13	5.71	8.15	11.53	5.01
1600	0.20	1.0	7.12	8.39	10.03	6.49	7.44	8.89	5.92	6.48	7.75	7.57	9.48	11.33	6.92	8.52	10.18	6.31	7.54	9.01
	0.30	2.1	9.23	11.52	9.18	8.38	10.19	8.12	7.61	8.83	7.03	9.87	13.08	10.42	9.01	11.75	9.36	8.19	10.37	8.26
	0.40	3.4	10.48	13.66	8.16	9.51	12.06	7.21	8.60	10.41	6.22	11.25	15.58	9.31	10.26	13.98	8.35	9.32	12.31	7.36
	0.55	5.9	11.54	15.81	6.87	10.45	13.93	6.05	9.41	11.98	5.20	12.43	18.09	7.86	11.33	16.21	7.04	10.26	14.26	6.19
2000	0.30	2.7	10.66	13.54	10.79	9.69	11.99	9.55	8.80	10.39	8.27	11.39	15.36	12.24	10.40	13.80	10.99	9.47	12.19	9.71
	0.40	4.4	12.17	16.15	9.65	11.04	14.26	8.52	9.99	12.31	7.36	13.05	18.39	10.99	11.90	16.50	9.86	10.81	14.54	8.69
	0.55	7.7	13.48	18.81	8.17	12.20	16.58	7.21	11.00	14.26	6.20	14.51	21.51	9.35	13.22	19.28	8.38	11.99	16.96	7.37
	0.70	11.6	14.21	20.64	7.05	12.85	18.17	6.20	11.55	15.59	5.32	15.34	23.66	8.08	13.96	21.20	7.24	12.64	18.62	6.36

HEATING Capacity

Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=20.0°C										Entering Air Condition DB=22.0°C									
			Entering Water Temperature										Entering Water Temperature									
			40°C		50°C		60°C		70°C		80°C		40°C		50°C		60°C		70°C		80°C	
			TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)
600	0.10	3.3	5.17	12.35	7.75	18.53	10.34	24.70	9.81	46.90	11.78	56.29	4.65	11.12	7.23	17.29	9.82	23.47	9.42	45.03	11.38	54.41
	0.15	6.7	5.79	9.23	8.69	13.84	11.58	18.45	12.92	30.88	15.51	37.05	5.21	8.30	8.11	12.92	11.00	17.53	12.40	29.64	14.99	35.82
	0.20	11.0	6.17	7.37	9.26	11.06	12.34	14.75	14.48	23.07	17.38	27.68	5.55	6.64	8.64	10.32	11.72	14.01	13.90	22.15	16.80	26.76
	0.30	22.2	6.61	5.27	9.92	7.91	13.23	10.54	15.43	18.43	18.52	22.12	5.95	4.74	9.26	7.38	12.57	10.01	14.81	17.70	17.90	21.38
1000	0.10	1.4	6.38	15.25	9.57	22.87	12.76	30.50	15.95	38.12	19.14	45.75	5.74	13.72	8.93	21.35	12.12	28.97	15.31	36.60	18.51	44.22
	0.20	4.6	8.45	10.10	12.68	15.15	16.90	20.20	21.13	25.25	25.36	30.30	7.60	9.09	11.83	14.14	16.06	19.19	20.29	24.24	24.51	29.29
	0.30	9.3	9.38	7.47	14.07	11.21	18.77	14.95	23.46	18.68	28.15	22.42	8.44	6.73	13.13	10.46	17.83	14.20	22.52	17.94	27.21	21.67
	0.40	15.2	9.94	5.94	14.91	8.90	19.88	11.87	24.85	14.84	29.82	17.81	8.94	5.34	13.91	8.31	18.88	11.28	23.85	14.25	28.82	17.22
1200	0.15	0.5	8.18	13.04	12.28	19.56	16.37	26.08	20.47	32.61	24.56	39.13	7.37	11.74	11.46	18.26	15.55	24.78	19.65	31.30	23.74	37.82
	0.20	0.9	9.07	10.84	13.61	16.26	18.14	21.68	22.68	27.10	27.22	32.52	8.16	9.75	12.70	15.17	17.24	20.59	21.77	26.01	26.31	31.43
	0.30	1.8	10.09	8.04	15.14	12.06	20.19	16.08	25.24	20.10	30.29	24.12	9.08	7.24	14.13	11.26	19.18	15.28	24.23	19.30	29.28	23.32
	0.55	5.1	11.24	4.88	16.86	7.33	22.48	9.77	28.10	12.21	33.72	14.65	10.11	4.40	15.74	6.84	21.36	9.28	26.98	11.72	32.60	14.16
1600	0.20	1.0	10.71	12.80	16.07	19.20	21.42	25.59	26.78	31.99	32.14	38.39	9.64	11.52	14.99	17.92	20.35	24.31	25.71	30.71	31.06	37.11
	0.30	2.1	12.29	9.79	18.44	14.68	24.58	19.58	30.73	24.47	36.88	29.37	11.06	8.81	17.21	13.71	23.35	18.60	29.50	23.49	35.65	28.39
	0.40	3.4	13.22	7.90	19.83	11.85	26.45	15.80	33.06	19.75	39.67	23.70	11.90	7.11	18.51	11.06	25.12	15.01	31.74	18.96	38.35	22.91
	0.55	5.9	14.10	6.13	21.15	9.19	28.20	12.25	35.25	15.31	42.30	18.38	12.69	5.51	19.74	8.58	26.79	11.64	33.84	14.70	40.89	17.76
2000	0.30	2.7	14.41	11.48	21.62	17.22	28.82	22.96	36.03	28.70	43.24	34.44	12.97	10.33	20.18	16.07	27.38	21.81	34.59	27.55	41.80	33.29
	0.40	4.4	15.70	9.38	23.55	14.07	31.40	18.76	39.25	23.44	47.10	28.13	14.13	8.44	21.98	13.13	29.83	17.82	37.68	22.51	45.53	27.20
	0.55	7.7	16.89	7.34	25.33	11.01	33.78	14.67	42.23	18.34	50.67	22.01	15.20	6.60	23.65	10.27	32.09	13.94	40.54	17.61	48.98	21.28
	0.70	11.6	17.65	6.03	26.48	9.04	35.31	12.05	44.14	15.07	52.97	18.08	15.89	5.42	24.72	8.44	33.55	11.45	42.38	14.46	51.20	17.48

FAN COIL UNIT SERIES Technical Information: Derating Factors by ESP

WRC-4SW-3R Ceiling Recessed Model - Standard Model (3 Row Cooling/Heating)

Fan Speed : HIGH

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		10		20		30		40		50	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	1.08	158	1.06	152	1.03	145	1.00	138	0.97	130	0.93	122
	SH	1.10		1.06		1.03		1.00		0.96		0.92	
400	TH	1.12	227	1.09	214	1.04	201	1.00	187	0.95	172	0.89	155
	SH	1.14		1.10		1.05		1.00		0.94		0.87	
600	TH	1.09	292	1.06	279	1.03	266	1.00	252	0.96	237	0.93	221
	SH	1.11		1.07		1.04		1.00		0.96		0.91	
800	TH	1.07	344	1.05	331	1.03	318	1.00	303	0.97	289	0.94	273
	SH	1.09		1.06		1.03		1.00		0.96		0.93	
1000	TH	1.08	471	1.06	452	1.03	432	1.00	411	0.97	389	0.93	365
	SH	1.10		1.07		1.03		1.00		0.96		0.92	
1200	TH	1.08	572	1.05	548	1.03	524	1.00	498	0.97	472	0.93	443
	SH	1.09		1.07		1.03		1.00		0.96		0.92	
1400	TH	1.07	663	1.05	639	1.02	613	1.00	587	0.97	559	0.94	530
	SH	1.08		1.06		1.03		1.00		0.97		0.93	

CF : Correction Factor H : Total Heat SH : Sensible Heat

Fan Speed : MEDIUM

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		10		20		30		40		50	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	0.99	134	0.96	127	0.93	121	0.89	114	0.86	106	0.82	98
	SH	0.98		0.95		0.92		0.88		0.83		0.78	
400	TH	1.02	192	0.98	179	0.93	164	0.87	149	0.80	131	0.71	110
	SH	1.02		0.97		0.91		0.84		0.76		0.66	
600	TH	0.99	243	0.96	231	0.92	217	0.89	203	0.84	188	0.80	172
	SH	0.98		0.95		0.91		0.86		0.81		0.76	
800	TH	0.97	284	0.94	271	0.92	258	0.88	244	0.85	230	0.81	214
	SH	0.96		0.93		0.90		0.86		0.83		0.78	
1000	TH	0.98	396	0.96	377	0.93	357	0.89	336	0.86	314	0.81	290
	SH	0.98		0.95		0.91		0.87		0.83		0.78	
1200	TH	0.99	482	0.96	458	0.93	433	0.89	406	0.85	377	0.81	346
	SH	0.98		0.95		0.91		0.87		0.83		0.78	
1400	TH	0.97	547	0.95	524	0.92	501	0.89	476	0.86	449	0.83	421
	SH	0.96		0.93		0.90		0.87		0.84		0.80	

CF : Correction Factor H : Total Heat SH : Sensible Heat

Note: The above rating correction factors due to external static pressure and air flow are based on basic model WRC.
When return-air plenum is used with the basic unit, these correction factors are subjected to change.
Derating factors will increase. Consult WINDMASON for specific derating factors.

FAN COIL UNIT SERIES Technical Information: Derating Factors by ESP

WRC-4SW-4R Ceiling Recessed Model - Standard Model (4 Row Cooling/Heating)

Fan Speed : HIGH

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		10		20		30		40		50	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	1.09	147	1.06	141	1.03	135	1.00	128	0.96	121	0.93	113
	SH	1.10		1.07		1.04		1.00		0.96		0.91	
400	TH	1.14	205	1.10	194	1.05	182	1.00	169	0.95	155	0.88	140
	SH	1.16		1.11		1.06		1.00		0.93		0.86	
600	TH	1.10	266	1.07	254	1.04	242	1.00	230	0.96	216	0.92	202
	SH	1.12		1.08		1.04		1.00		0.95		0.90	
800	TH	1.08	333	1.05	320	1.03	307	1.00	293	0.97	279	0.93	264
	SH	1.09		1.06		1.03		1.00		0.96		0.92	
1000	TH	1.09	431	1.06	414	1.03	395	1.00	376	0.97	356	0.93	334
	SH	1.11		1.07		1.04		1.00		0.96		0.91	
1200	TH	1.09	552	1.06	529	1.03	506	1.00	481	0.97	455	0.93	427
	SH	1.10		1.07		1.04		1.00		0.96		0.92	
1400	TH	1.07	613	1.05	590	1.03	567	1.00	542	0.97	517	0.94	490
	SH	1.09		1.06		1.03		1.00		0.96		0.93	

CF : Correction Factor H : Total Heat SH : Sensible Heat

Fan Speed : MEDIUM

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		10		20		30		40		50	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	1.00	127	0.97	121	0.94	114	0.90	108	0.86	100	0.81	93
	SH	1.00		0.96		0.93		0.88		0.83		0.78	
400	TH	1.03	174	0.98	162	0.92	149	0.86	135	0.78	119	0.68	100
	SH	1.03		0.98		0.91		0.84		0.75		0.64	
600	TH	0.99	222	0.96	211	0.92	199	0.88	186	0.83	172	0.78	158
	SH	0.99		0.94		0.90		0.86		0.80		0.74	
800	TH	0.96	274	0.94	262	0.91	249	0.88	236	0.84	222	0.80	207
	SH	0.96		0.93		0.89		0.86		0.82		0.77	
1000	TH	0.99	367	0.96	349	0.93	331	0.89	312	0.85	291	0.81	269
	SH	0.99		0.96		0.92		0.87		0.83		0.78	
1200	TH	0.99	466	0.96	443	0.92	418	0.89	393	0.84	365	0.80	335
	SH	0.98		0.95		0.91		0.87		0.82		0.76	
1400	TH	0.97	509	0.95	488	0.92	466	0.89	443	0.86	418	0.82	392
	SH	0.97		0.94		0.91		0.87		0.83		0.79	

CF : Correction Factor H : Total Heat SH : Sensible Heat

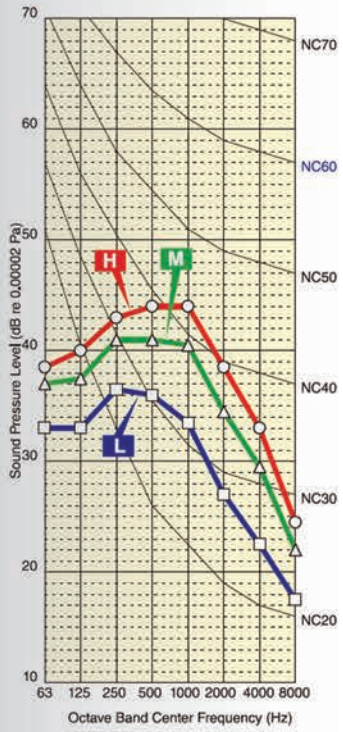
Note: The above rating correction factors due to external static pressure and air flow are based on basic model WRC.
When return-air plenum is used with the basic unit, these correction factors are subjected to change.
Derating factors will increase. Consult WINDMASON for specific derating factors.

FAN COIL UNIT SERIES Technical Information: Noise Level

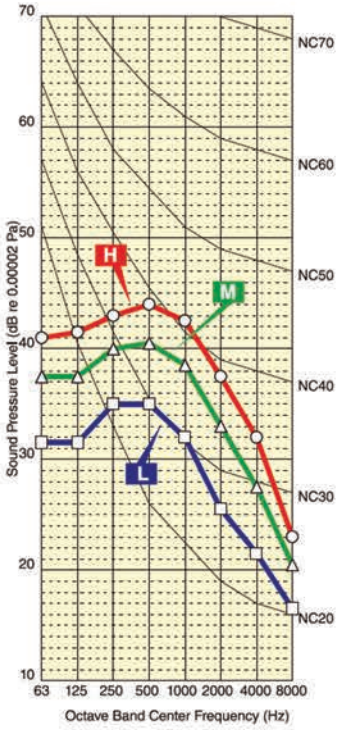
SRC-4HW

Ceiling Recessed Model - High Static Model

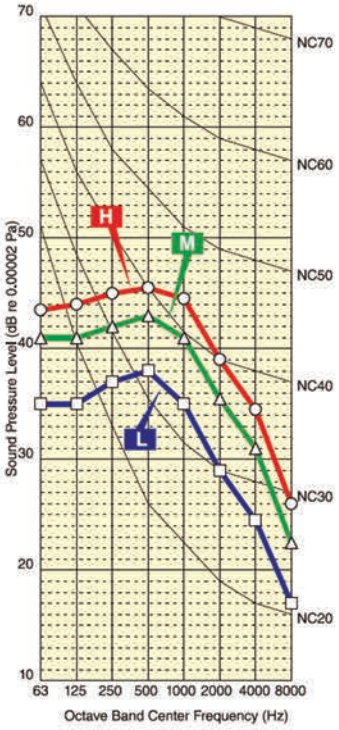
WRC-300-4HW



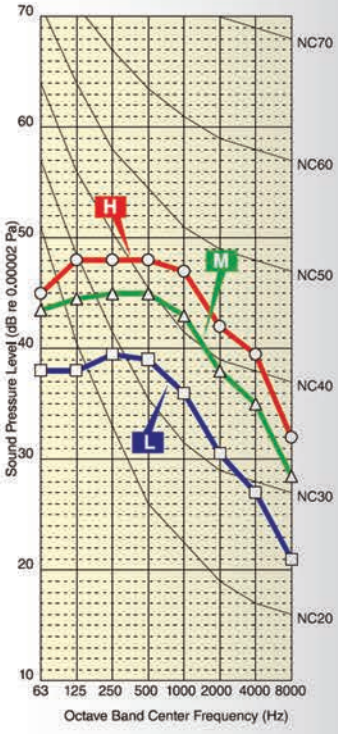
WRC-400-4HW



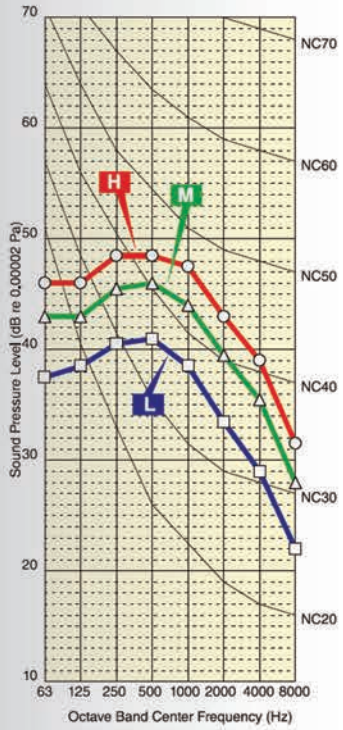
WRC-600-4HW



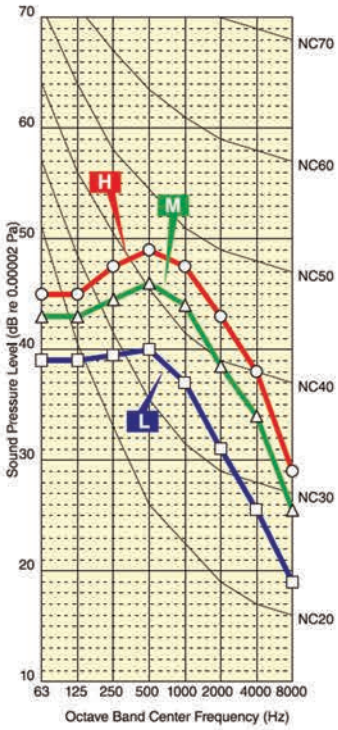
WRC-800-4HW



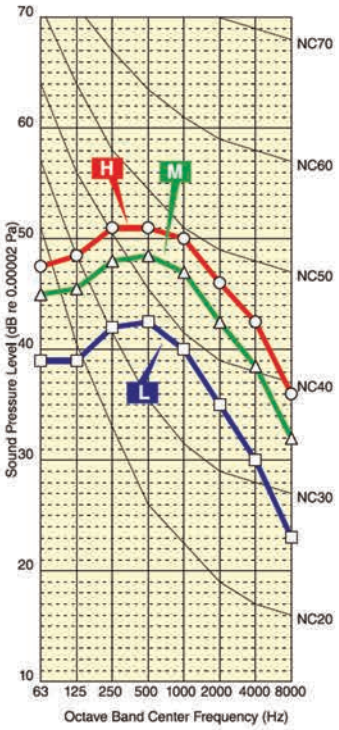
WRC-1000-4HW



WRC-1200-4HW



WRC-1400-4HW



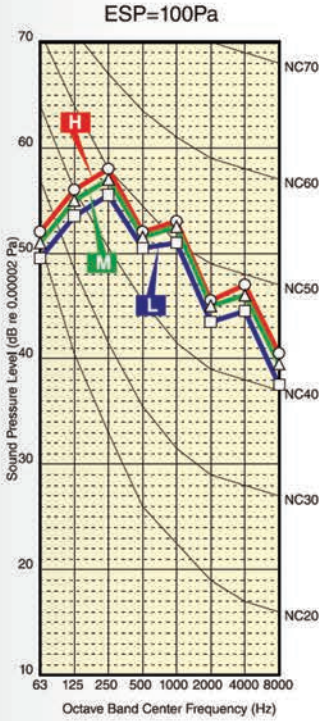
Note: SPL is measured in a semi-anechoic room according to JIS A 4008

FAN COIL UNIT SERIES Technical Information: Noise Level

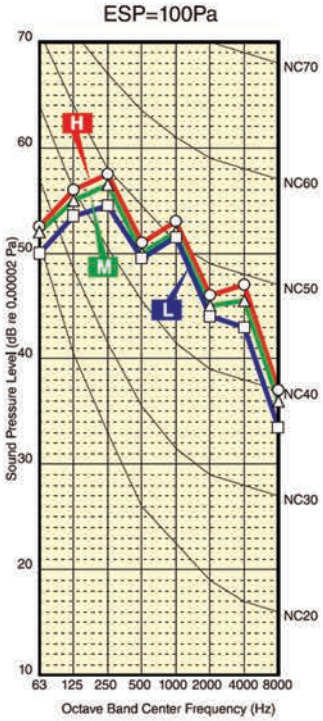
WCRH-4HW

Ceiling Recessed Model - Large Air Volume Model ESP=100Pa

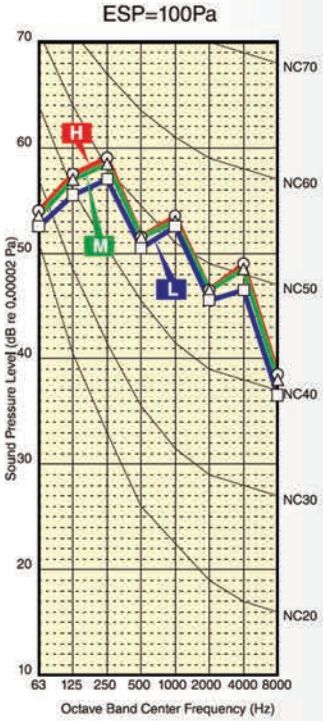
WCRH-600-4HW



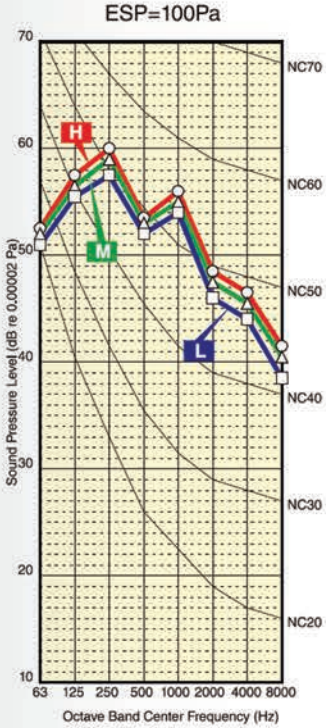
WCRH-1000-4HW



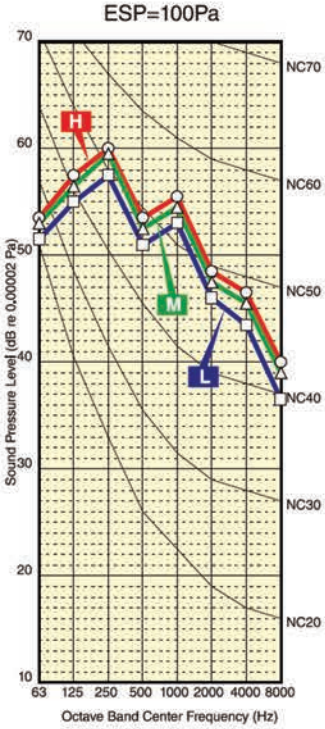
WCRH-1200-4HW



WCRH-1600-4HW



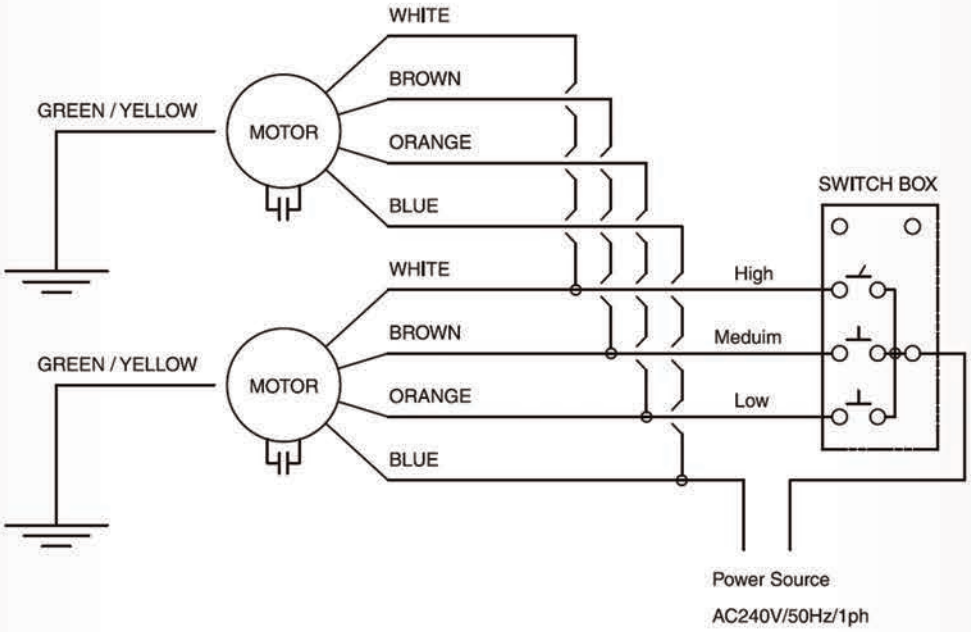
WCRH-2000-4HW



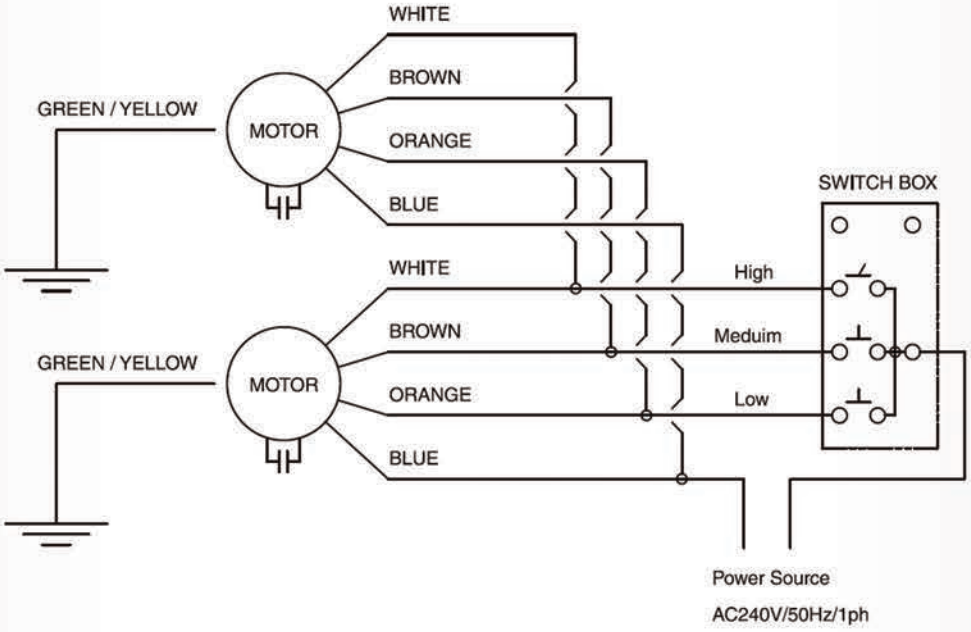
Note: SPL is measured in a semi-anechoic room according to JIS A 4008

Wiring Diagram

WRC MODEL AC240V

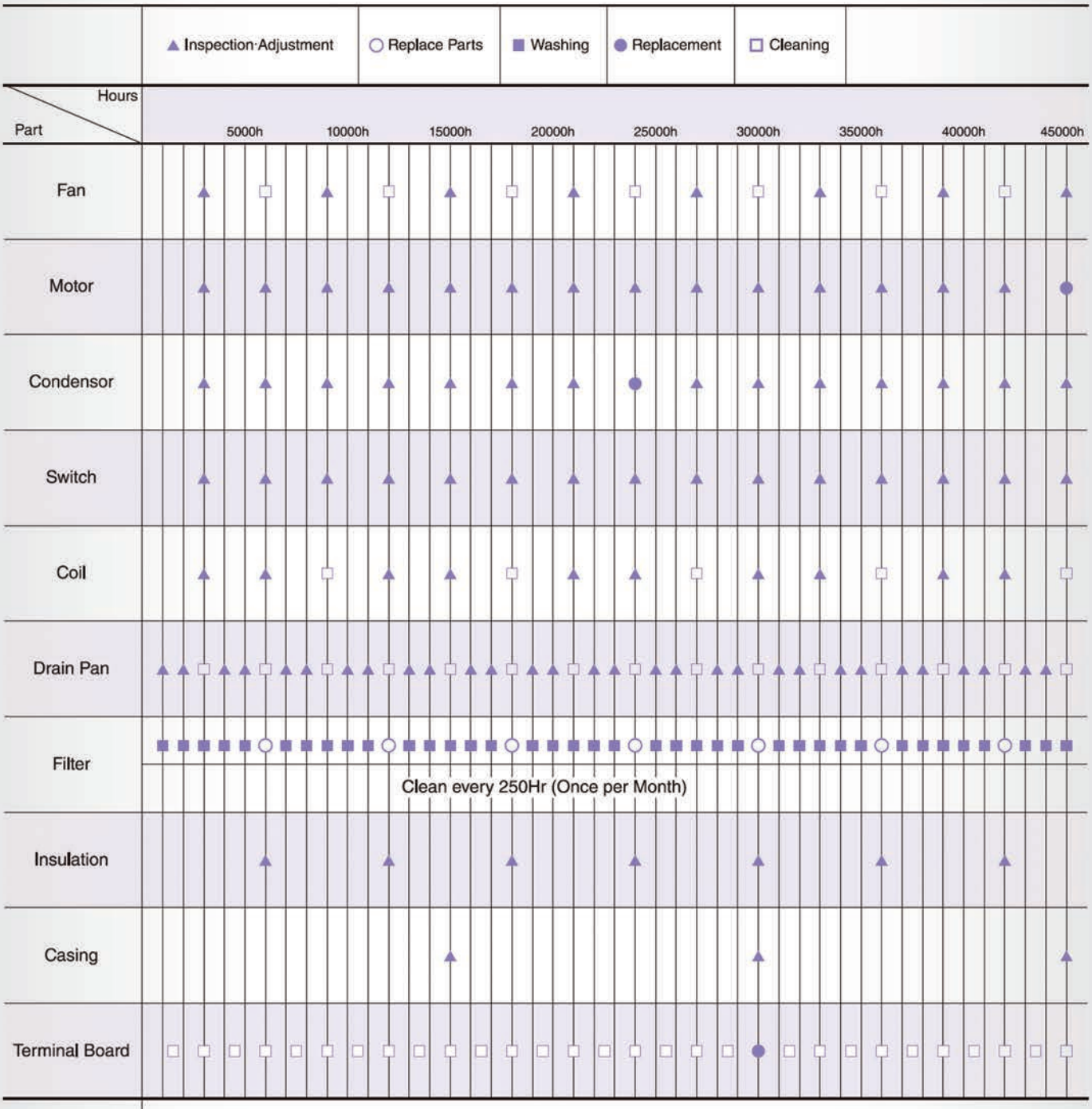


WCRH MODEL AC240V



Standard Maintenance Guide for Fan Coil Unit

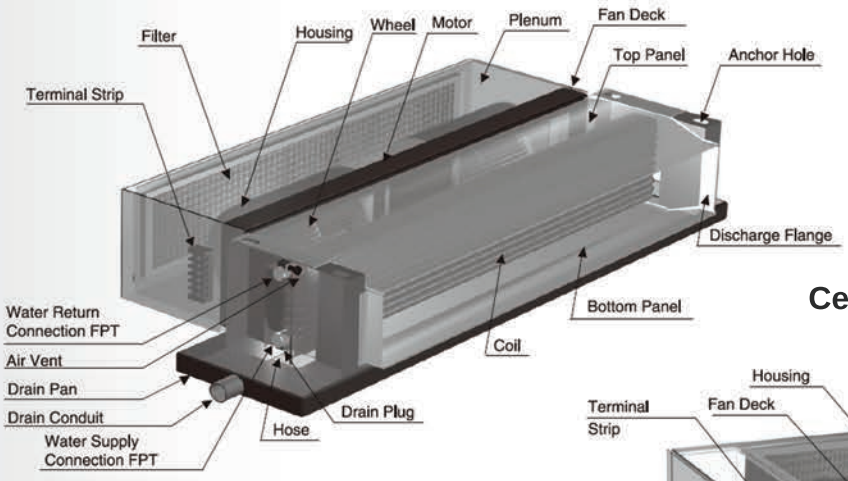
The maintenance guide below is the general guide line. The contents may change according to the running/installation conditions



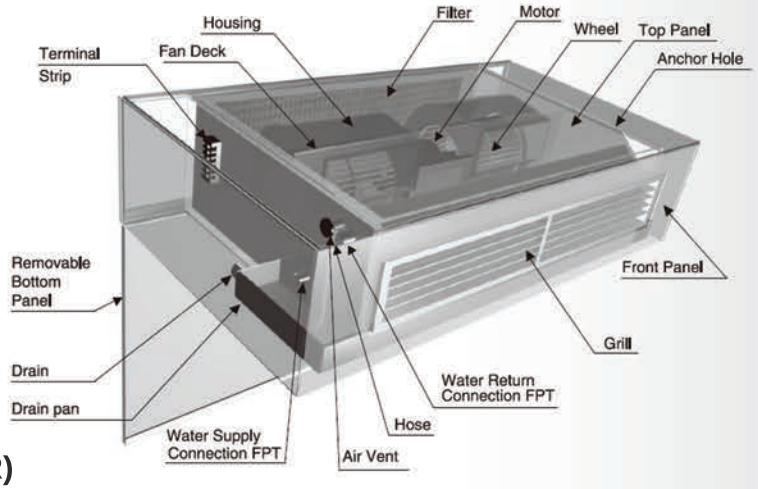
Note	1. Running time is based on 10hr/day, 300days/year, 3000hr/year., 2. In case of non-standard unit, the maintenance cycle will change. 3. Maintenance cycle of filter will change according to the installation condition. 4. Maintenance of motor shall be conducted by professionals.

Unit Construction

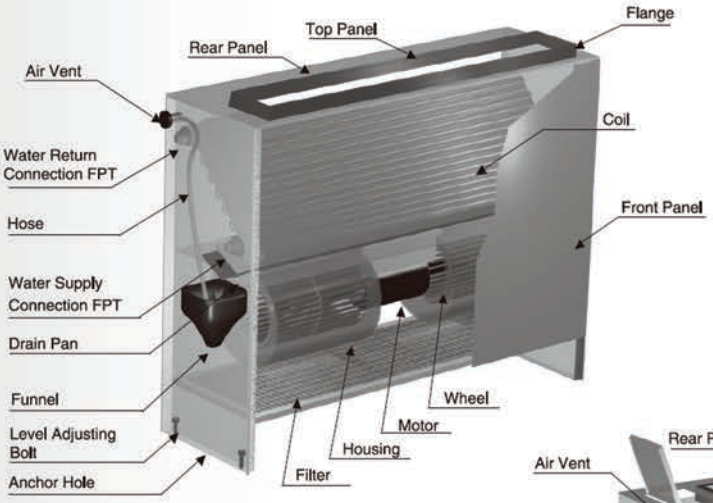
Ceiling Recessed Model (WRC)



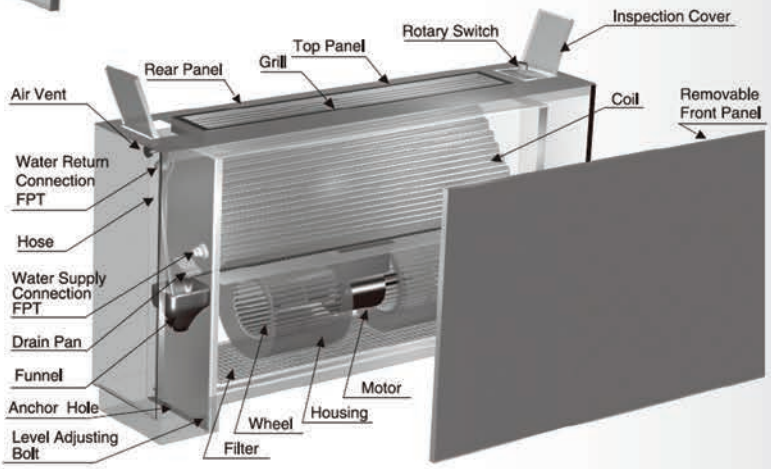
Ceiling Mount ExposedModel (WC)



Floor Mount Recessed Model (WFR)



Floor Mount Exposed Model (WF)



Installation Guide

Special care must be taken to prevent paint, plaster, insulation or other foreign material from being deposited on the motor, blower wheels or coil. All warrantee are void if foreign material is deposited on the motor or blower wheels of any unit.

1)Hanging

Hang unit tightly with hanger bolts at accurately horizontal level at designated location, as shown by chart.
Adjust unit level by hanger-bolts so that drain will always run towards the drain connection. Failure to this may cause overflow of drain and drip on ceiling tile at cooling operation.
Connect unit with supply and return air ducts after this level adjustment.

2)Water and Drain Pipe Connection

Water and drain pipe connection should be made to the unit in accordance with local codes and ordinances.
First, screw water pipes or valves into water inlet/outlet sockets of coil and check them to make sure that they are in proper operating position (The coil water supply connection should be that connection on the bottom of the coil).

Note: Make sure that all water and drain pipings are insulated after the connection works to prevent condensation and heat loss, and valves are installed over the drain pan.