FAN COIL UNIT

CONVENTIONAL & DISTRICT COOLING APPLICATION

Range:
200 CFM to 3200 CFM

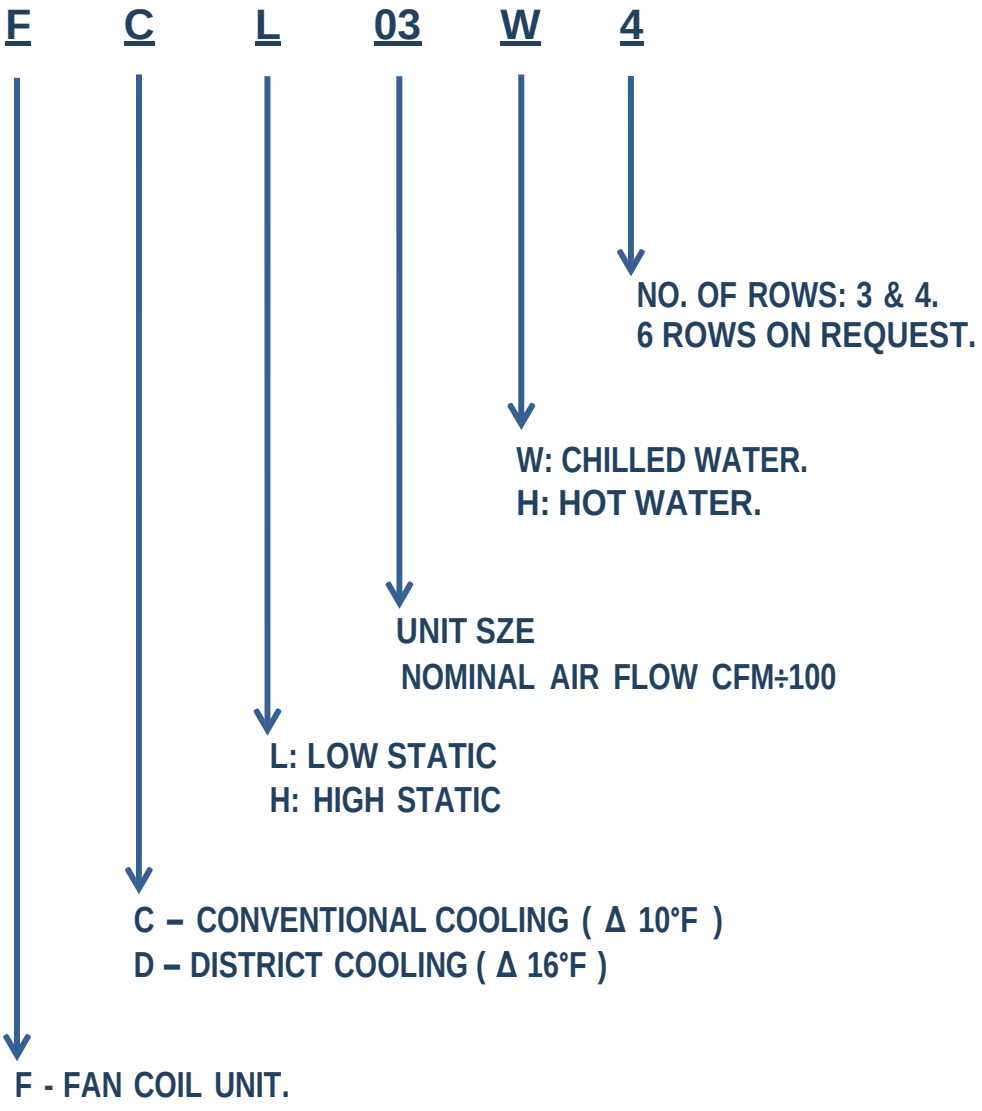
(94 L/S to 1511 L/S)

Manufactured in UAE

nqa. ISO 9001 OHSAS 18001 Registered

CERTIFIED ISO 9001:2008 COMPANY

NOMENCLATURE



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INTRODUCTION

Fan coil units are the ideal solution for providing localized air conditioning to ensure comfortable temperatures in spaces of any size. The unit consists of a fan which passes air over a heating and cooling coil to condition the temperature of the space it serves.

The unit's coil is supplied by the building's low pressure hot water & chilled water systems meaning that it can be installed anywhere where a water & electrical supply is available. The simple nature of the product's operation makes for easy and cost effective installation in new build or refurbished offices, schools, hotels, houses & apartments.

Fan coil units are ideally suited for installation in chilled water or hot water applications to meet air conditioning requirements of individual rooms.
Units are designed to address the need for greater reliability, guaranteed performance, quieter operation, low installation height and better indoor air quality.
Units are easily installed and serviced. Fan coil units feature high operating efficiency, low operating cost and quiet, energy efficient fan motors.

The main components of fan coil units are:

- Fan,
- Coil (Heat exchanger).

The heat exchanger receives hot or cold water from a heating or cooling source. The fan spreads the heat or coolness in order to condition the space.

Features:

- Cleaner, quieter and more efficient in design.
- Heavy gauge galvanized casing & fan housing
- Hi-efficiency forward curved fan for quiet operation.
- Hi-efficiency, low power consumption electric motor.
- Insulated heavy gauge drain pan.
- Quick electrical connections.
- Manual air vent.

The information herein provides guidance on how the product should be selected, installed, operated and maintained. Qualified and Professional personnel should be used in all instances to determine exact methods of working using these instructions as a guide to good practice.

COMPONENT FEATURES

Casing

Fan coil casing is manufactured from Heavy gauge galvanized steel sheet. The fan and coils plenums are easily removable so as to access the evaporator coil for cleaning and maintenance of fan motor.
Piping, Drain, filter and electrical connections are easily accessible. Mounting holes for duct and unit hanging arrangements save the installation time.
Coils are mounted within condensate trays, extended under the control valves and connections, with fall to drain to overcome a maximum of 50 Pa inlet pressure.

Coils

Cooling and Heating coils are manufactured from seamless copper tubes mechanically bonded to high efficiency wavy corrugated aluminum fins. All coils are factory pressure tested pneumatically to 350 Psig under water. Air vents are provided in the coil for air purging process. Chilled water cooling coils are available in 3, 4 and 6 rows (On request).

Fan & Motor

Fans are double inlet centrifugal forward curved type statically and dynamically balanced for smooth vibration free operation. Fans are direct driven by 3 speed permanent split capacitor motor. These motors have integral thermal protection, low temperature rise, are highly efficient, high power factor and operate almost noiselessly with permanent lubricated sleeve bearings.

Motor is suitable for 230±10% V single phase. Electrical connection from motor duly terminated in a terminal block. Fan housing is fabricated of heav y gauge galvanized steel sheet and easily removable, thus allowing complete service access to fan and motor.

EC (electronically commutated) motor variants have external rotor motors and an IP20 rating. All motors operate from a 230V/1Ph/50Hz supply, and have sealed for life, maintenance free ball bearings with a life expectancy of 40,000 hours in normal operation.

Drain pan

Drain pan is made from heavy gauge galvanized steel sheet. The drain pan is insulated with fire retardant irradiated EPE insulation. Drain pan exists on left hand or right hand side accordance with the coil along with ¾" externally threaded pipe.

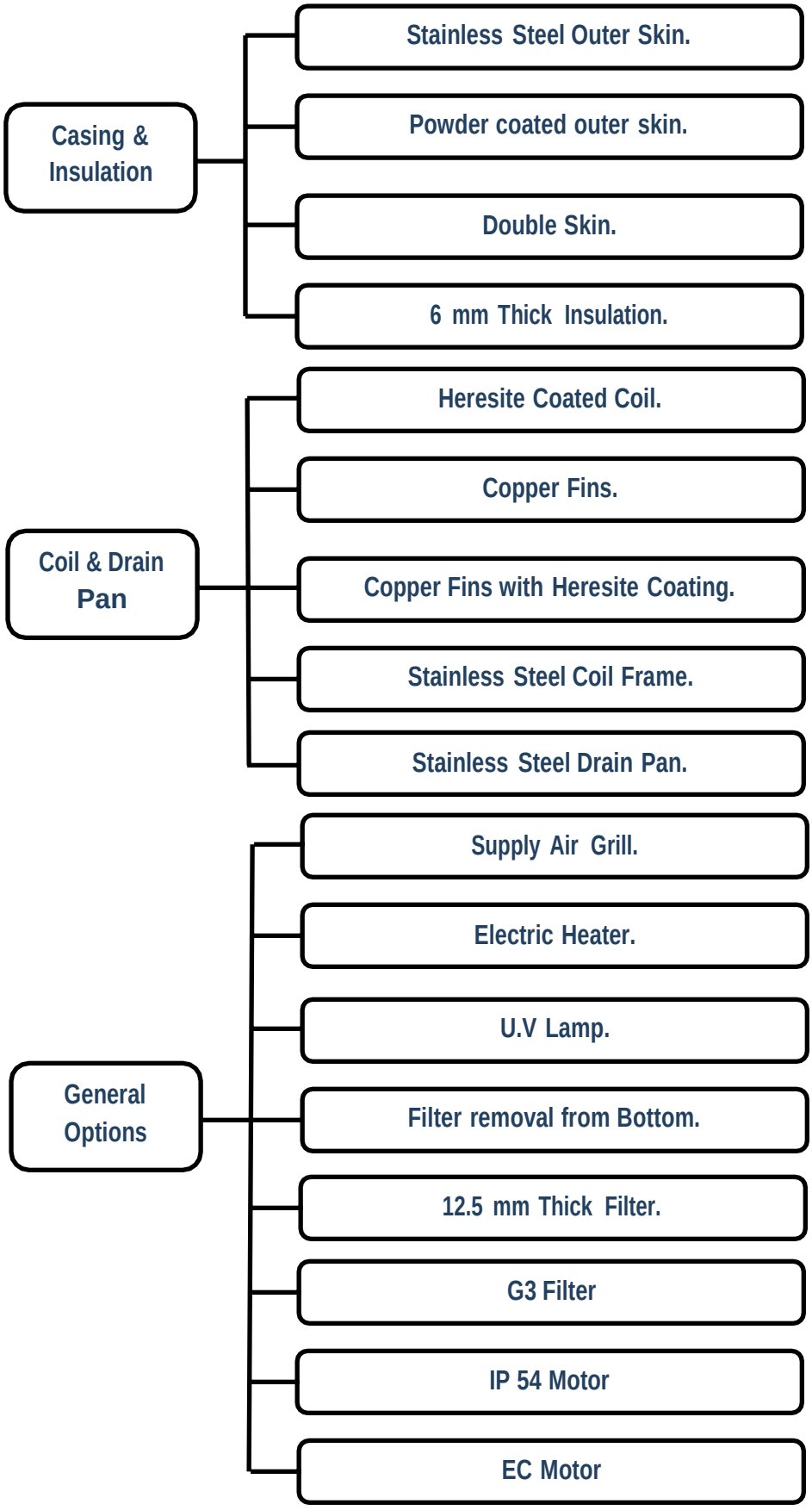
Filter

The filters are factory installed aluminum type, 25.0 mm thick, permanent and washable. Filter is provided with lifting latches on both the side of the filter for the easy access.

Specification

Part Name	Specification
Evaporator Coil	4 & 6 (On request) Rows,2 pipe system
Tube	3/8"
Fin	Aluminum
Air Vent	Air Vent: 1/4" (Manual on chilled water outlet).
Coil Testing	350 PSI for 20 mins.
Drain Pan	0.8 mm Thickness , Powder Coated both sides, Insulation: 3 mm.
Drain Pipe	3/4" NPT
Motor	IP 20, Class Permanent Split Capacitor, 3 Speeds & Lubricated Sleeve Bearing.
Filter	Aluminum Mesh, 25.0mm.
Plenum Panels	0.6~0.8 mm Thickness , G.I
Fan mounting plate	1.0 mm Thickness , G.I
Insulation	Rubber insulation = 6 mm

OPTIONAL FEATURES



TECHNICAL DATA

PERFORMANCE			FCL-02	FCL-03	FCL-04	FCL-05	FCL-06	FCL-07	FCL-08	FCL-09	FCL-10
			LOW STATIC , NORMAL COOLING UNIT								
Nominal Air Volume	High	CFM	261	369	428	592	689	772	858	939	1037
		L/S	123	174	202	280	325	364	405	443	490
Cooling Capacity (Fluid)*		KW	2.86	3.47	4.65	6.24	6.91	7.92	8.51	9.03	10.91
		BTU/HR	9758	11840	15866	21291	23577	27023	29036	30810	37225
Motor Nominal Power Output		W	50	50	80	80	80	125	125	150	150
Motor Current		AMP	Refer Page 35								
Sound Pressure	High	dB (A)	44	44	46	49	50	51	52	52	53
	Med		42	42	43	44	45	45	45	45	47
	Low		37	37	38	38	39	39	39	39	41
Water Flow		L/S	0.136	0.165	0.222	0.297	0.329	0.377	0.405	0.430	0.519
Water Pressure Drop		KPA	13.71	22.06	19.25	35.91	43.07	23.27	26.44	29.41	49.6
Fan Type			Centrifugal Forward-Curved Blades								
Motor Type			Permanent Split Capacitor								
Coil	Rows	NOS.	4								
	Face Area	SQ. FT	0.87	1.09	1.31	1.53	1.53	1.97	1.97	1.97	2.57
	Coil Water Volume	M^3	0.001	0.0012	0.0014	0.0016	0.0016	0.002	0.002	0.002	0.0026
	Working Pressure	MPa	1.72								
Connections	In-Out (Thread)		1/2" NPS					3/4" NPS			
	Condensate Drain / Material		3/4" NPT / GI Steel , Externally Threaded								
Cabinet Size	Height	MM	260 +/- 5			300 +/- 5					
	Width	MM	550 +/- 5			600 +/- 5					
	Length	MM	690	790	890	990	990	1190	1190	1190	1440
Casing Material / Thickness			Galvanized Steel / up to 1.0 MM								
Casing Treatment / External Finish			Non-painted , Z275 (G90) Zinc Coating								
Net Weight		KG	16	18	20	23	24	28	28	28	36

Note:

* Based on motor at high speed, standard air and dry coil operation; 5.0°C water temperature rise; entering air temperature 27°C DB;19°C WB; entering water temperature 7°C.

TECHNICAL DATA

PERFORMANCE			FDL-02	FDL-03	FDL-04	FDL-05	FDL-06	FDL-07	FDL-08	FDL-09	FDL-10
			LOW STATIC , NORMAL COOLING UNIT								
Nominal Air Volume	High	CFM	261	369	428	592	689	772	858	939	1037
		L/S	123	174	202	280	325	364	405	443	490
Cooling Capacity (Fluid)*		KW	2.11	3.10	3.35	4.64	5.12	6.39	6.83	7.23	8.45
		BTU/HR	7199	10577	11430	15832	17469	21803	23304	24669	28831
Motor Nominal Power Output		W	50	50	80	80	80	125	125	150	150
Motor Current		AMP	Refer Page 35								
Sound Pressure	High	dB (A)	44	44	46	49	50	51	52	52	53
	Med		42	42	43	44	45	45	45	45	47
	Low		37	37	38	38	39	39	39	39	41
Water Flow		L/S	0.056	0.082	0.089	0.123	0.135	0.167	0.181	0.192	0.224
Water Pressure Drop		KPA	8.59	19.41	8.26	16.3	19.38	34.4	38.72	42.78	31.77
Fan Type			Centrifugal Forward-Curved Blades								
Motor Type			Permanent Split Capacitor								
Coil	Rows	NOS.	4								
	Face Area	SQ. FT	0.87	1.09	1.31	1.53	1.53	1.97	1.97	1.97	2.57
	Coil Water Volume	M^3	0.001	0.0012	0.0014	0.0016	0.0016	0.002	0.002	0.002	0.0026
	Working Pressure	MPa	1.72								
Connections	In-Out (Thread)		1/2" NPS					3/4" NPS			
	Condensate Drain / Material		3/4" NPT / GI Steel , Externally Threaded								
Cabinet Size	Height	MM	260 +/- 5			300 +/- 5					
	Width	MM	550 +/- 5			600 +/- 5					
	Length	MM	690	790	890	990	990	1190	1190	1190	1440
Casing Material / Thickness			Galvanized Steel / up to 1.0 MM								
Casing Treatment / External Finish			Non-painted , Z275 (G90) Zinc Coating								
Net Weight		KG	16	18	20	23	24	28	28	28	36

Note:
* Based on motor at high speed, standard air and dry coil operation; 9.0°C water temperature rise; entering air temperature 24°C DB;18°C WB; entering water temperature 5.5°C.

TECHNICAL DATA

PERFORMANCE			FCH-12	FCH-14	FCH-16	FCH-18	FCH-20	FCH-24	FCH-30
			HIGH STATIC , NORMAL COOLING UNIT						
Nominal Air Volume	High	CFM	1050	1404	1560	1650	1860	2310	3075
		L/S	496	663	737	779	878	1091	1452
Cooling Capacity (Fluid)*		KW	10.96	14.59	16.6	17.24	18.28	20.36	28.12
		BTU/HR	37396	49781	56639	58823	62371	69468	95945
Motor Nominal Power Output		W	300	200	250	300	500	500	800
Motor Current		AMP	Refer Page 35						
Sound Pressure	High	dB (A)	54	54	55	56	56	58	58
	Med		53	53	54	54	54	57	57
	Low		50	50	49	51	51	52	52
Water Flow		L/S	0.522	0.695	0.791	0.821	0.871	0.970	1.340
Water Pressure Drop		KPA	35.64	33.72	45.54	48.81	41.25	48.94	79.36
Fan Type			Centrifugal Forward-Curved Blades						
Motor Type			Permanent Split Capacitor						
Coil	Rows	NOS.	4						
	Face Area	SQ. FT	2.3	3.12	3.53	3.53	3.85	5.29	6.27
	Coil Water Volume	M^3	0.0024	0.0032	0.0036	0.0036	0.0039	0.0056	0.0065
	Working Pressure	MPa	1.72						
Connections	In-Out (Thread)		1" NPS				1 1/2" NPS		
	Condensate Drain / Material		3/4" NPT / GI Steel , Externally Threaded						
Cabinet Size	Height	MM	375 +/- 5						
	Width	MM	650 +/- 5						
	Length	MM	990	1190	1390	1390	1440	1690	1990
Casing Material / Thickness			Galvanized Steel / up to 1.0 MM						
Casing Treatment / External Finish			Non-painted , Z275 (G90) Zinc Coating						
Net Weight		KG	37	46	49	50	53	58	70

Note:
* Based on motor at high speed, standard air and dry coil operation; 5.0°C water temperature rise; entering air temperature 27°C DB;19°C WB; entering water temperature 7°C.

TECHNICAL DATA

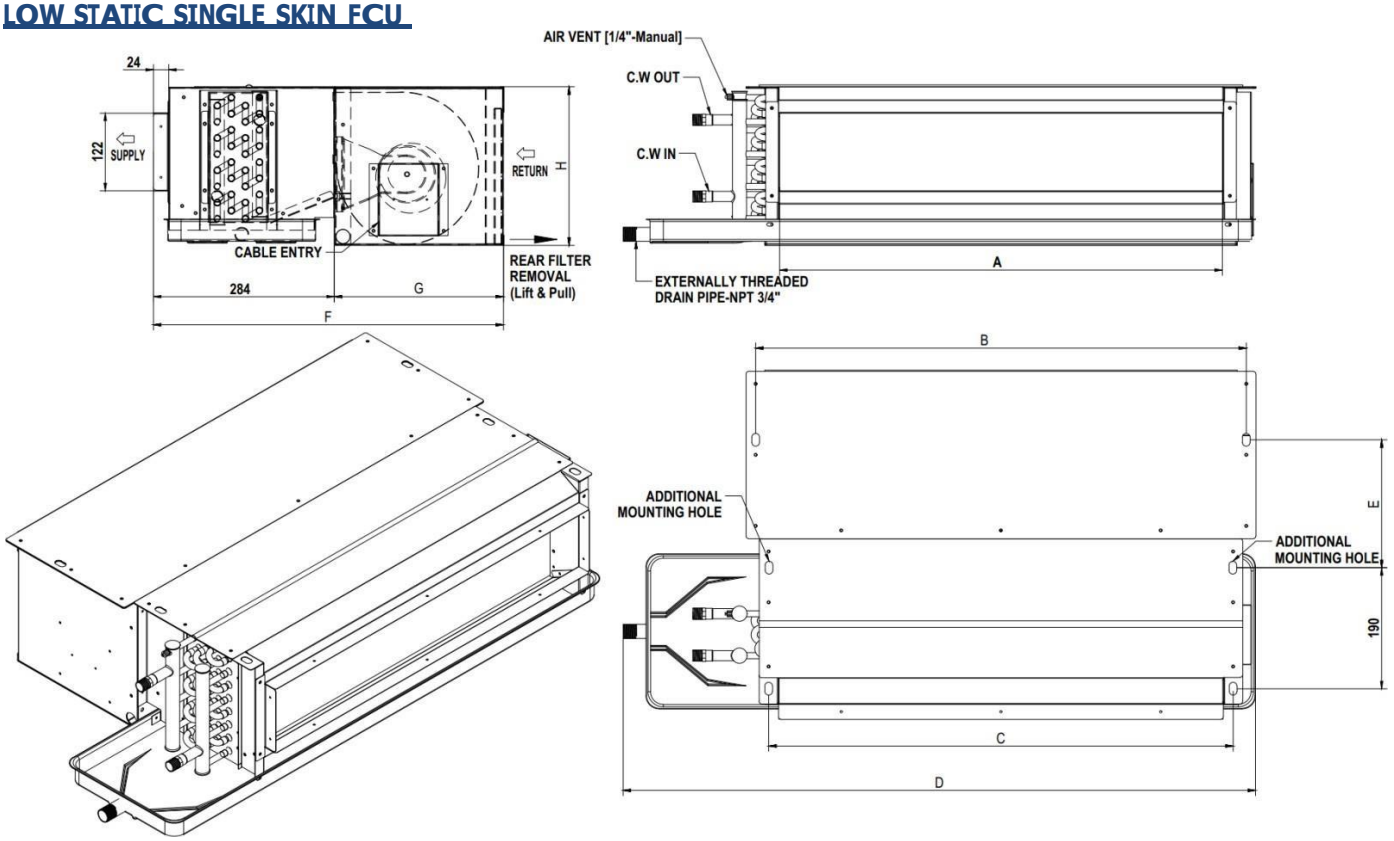
PERFORMANCE			FDH-12	FDH-14	FDH-16	FDH-18	FDH-20	FDH-24	FDH-30
			HIGH STATIC , NORMAL COOLING UNIT						
Nominal Air Volume	High	CFM	1050	1404	1560	1650	1860	2310	3075
		L/S	496	663	737	779	878	1091	1452
Cooling Capacity (Fluid)*		KW	8.88	12.85	14.18	14.71	15.82	18.58	26.84
		BTU/HR	30299	43844	48382	50191	53978	63395	91578
Motor Nominal Power Output		W	300	200	250	300	500	500	800
Motor Current		AMP	Refer Page 35						
Sound Pressure	High	dB (A)	54	54	55	56	56	58	58
	Med		53	53	54	54	54	57	57
	Low		50	50	49	51	51	52	52
Water Flow		L/S	0.235	0.340	0.375	0.389	0.419	0.492	0.711
Water Pressure Drop		KPA	19.68	46.72	38.1	40.68	33.65	22.35	51.13
Fan Type			Centrifugal Forward-Curved Blades						
Motor Type			Permanent Split Capacitor						
Coil	Rows	NOS.	4						
	Face Area	SQ. FT	2.3	3.12	3.53	3.53	3.85	5.29	6.27
	Coil Water Volume	M^3	0.0024	0.0032	0.0036	0.0036	0.0039	0.0056	0.0065
	Working Pressure	MPa	1.72						
Connections	In-Out (Thread)		1" NPS				1 1/2" NPS		
	Condensate Drain / Material		3/4" NPT / GI Steel , Externally Threaded						
Cabinet Size	Height	MM	375 +/- 5						
	Width	MM	650 +/- 5						
	Length	MM	990	1190	1390	1390	1440	1690	1990
Casing Material / Thickness			Galvanized Steel / up to 1.0 MM						
Casing Treatment / External Finish			Non-painted , Z275 (G90) Zinc Coating						
Net Weight		KG	37	46	49	50	53	58	70

Note:

* Based on motor at high speed, standard air and dry coil operation; 9.0°C water temperature rise; entering air temperature 24°C DB;18°C WB; entering water temperature 5.5°C.

UNIT DIMENSIONS & WEIGHT

LOW STATIC SINGLE SKIN FCU



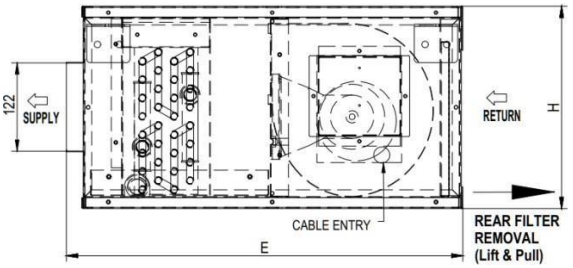
No.	Unit Model	A	B	C	D	E	F	G	H	C.W IN/OUT
1	FCL/FDL-02S	400	472	432	690	200	550	266	260	1/2" NPS
2	FCL/FDL-03S	500	532	532	790	200	550	266	260	1/2" NPS
3	FCL/FDL -04S	600	632	632	890	200	550	266	260	1/2" NPS
4	FCL/FDL -05S	700	732	732	990	230	600	316	300	1/2" NPS
5	FCL/FDL -06S	700	732	732	990	230	600	316	300	1/2" NPS
6	FCL/FDL -07S	900	932	932	1190	230	600	316	300	3/4" NPS
7	FCL/FDL -08S	900	932	932	1190	230	600	316	300	3/4" NPS
8	FCL/FDL -09S	900	932	932	1190	230	600	316	300	3/4" NPS
9	FCL/FDL -10S	1175	1207	1207	1440	230	600	316	300	3/4" NPS

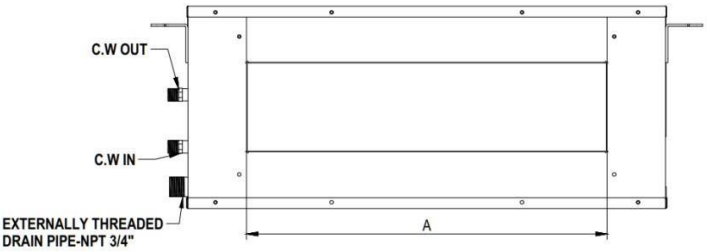
Note:

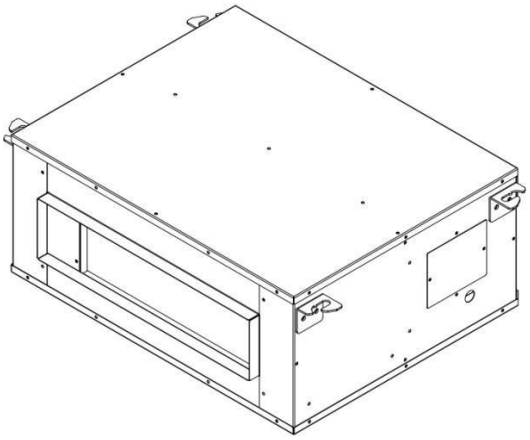
1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

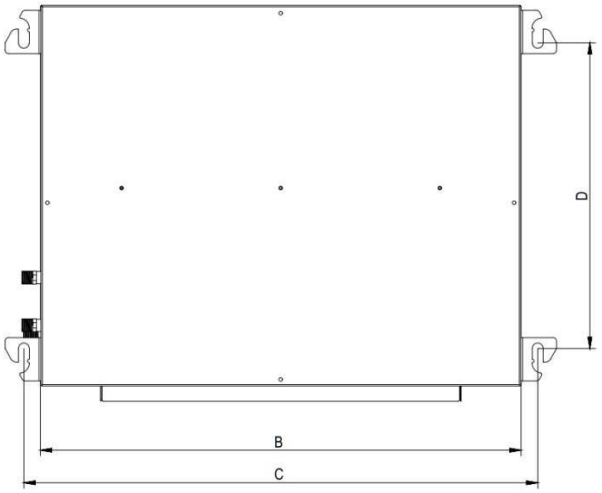
UNIT DIMENSIONS & WEIGHT

LOW STATIC DOUBLE SKIN FCU









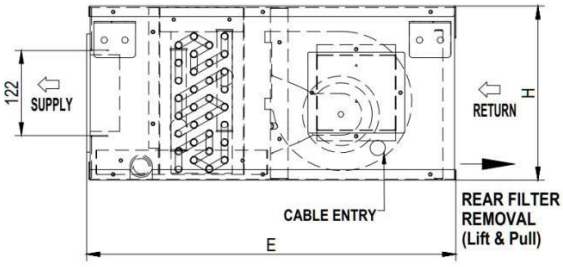
No.	Unit Model	A	B	C	D	E	H	C.W IN/OUT
1	FCL/FDL-02D	400	540	580	425	550	280	1/2" NPS
2	FCL/FDL-03D	500	640	680	425	550	280	1/2" NPS
3	FCL/FDL-04D	600	740	780	425	550	280	1/2" NPS
4	FCL/FDL-05D	700	840	880	475	600	300	1/2" NPS
5	FCL/FDL-06D	700	840	880	475	600	300	1/2" NPS
6	FCL/FDL-07D	900	1040	1080	475	600	300	3/4" NPS
7	FCL/FDL-08D	900	1040	1080	475	600	300	3/4" NPS
8	FCL/FDL-09D	900	1040	1080	475	600	300	3/4" NPS
9	FCL/FDL-10D	1175	1315	1355	475	600	300	3/4" NPS

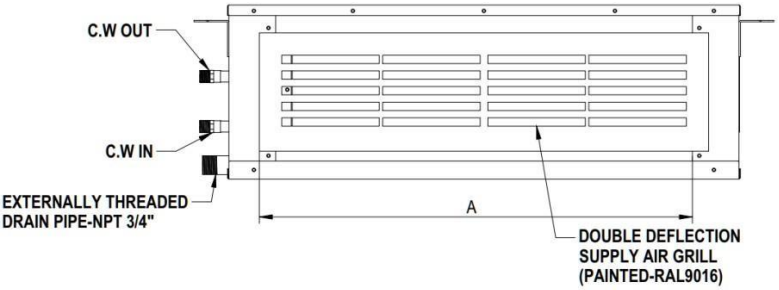
Note:

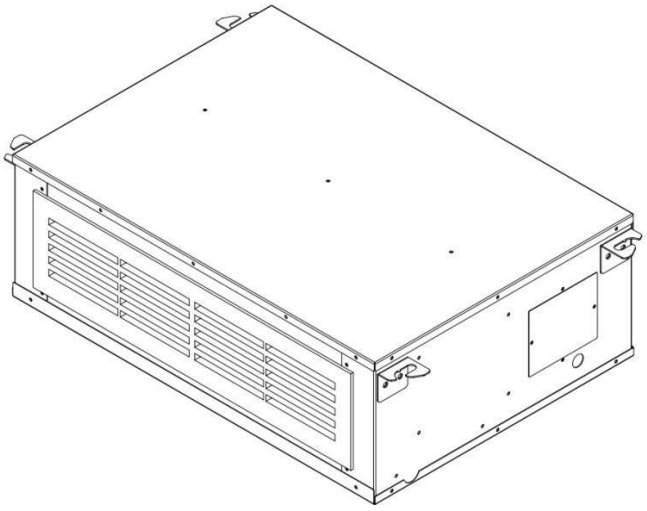
1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

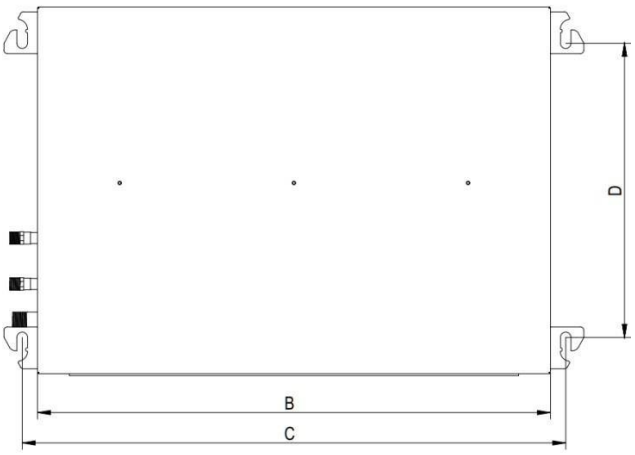
UNIT DIMENSIONS & WEIGHT

LOW STATIC DECORATIVE FCU









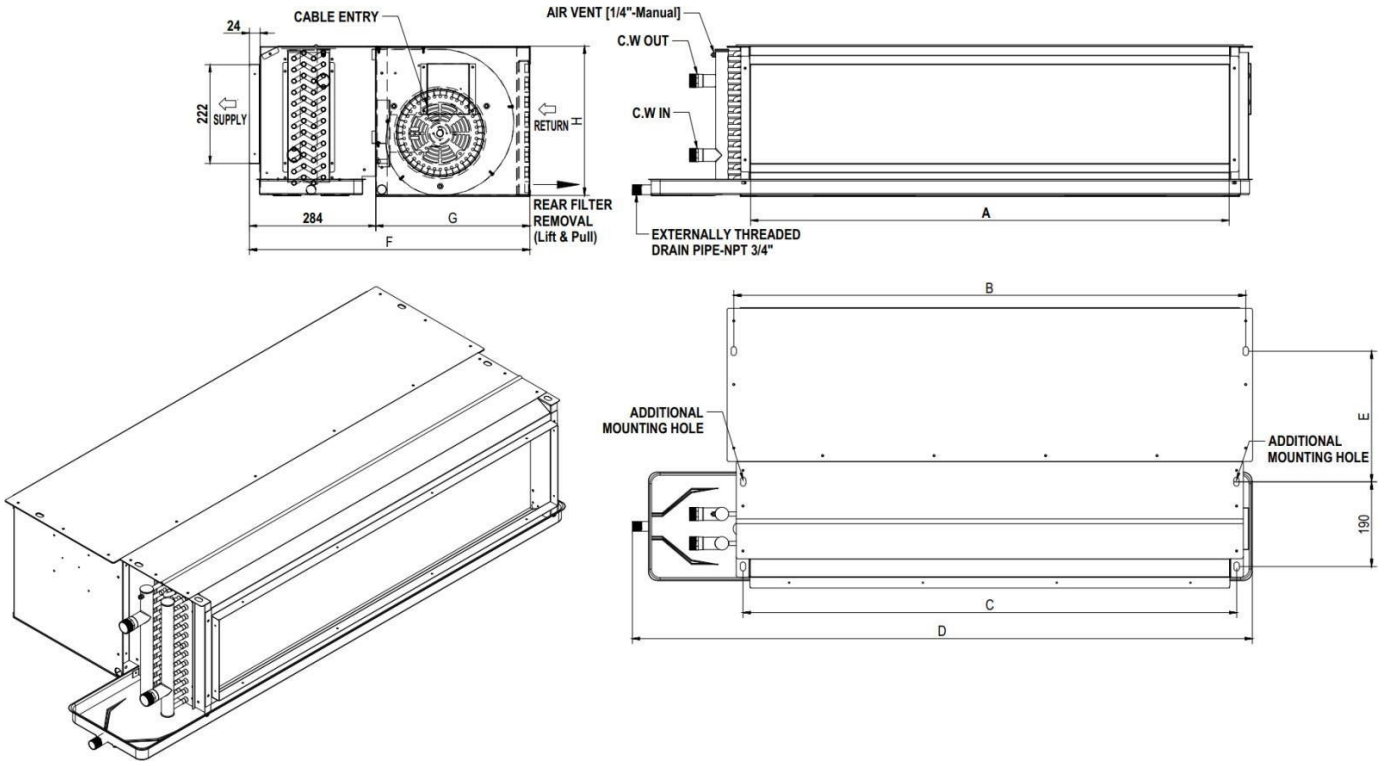
No.	Unit Model	A	B	C	D	E	H	C.W IN/OUT
1	FCL/FDL-02E	400	540	580	425	530	280	1/2" NPS
2	FCL/FDL-03E	500	640	680	425	530	280	1/2" NPS
3	FCL/FDL-04E	600	740	780	425	530	280	1/2" NPS
4	FCL/FDL-05E	700	840	880	475	580	300	1/2" NPS
5	FCL/FDL-06E	700	840	880	475	580	300	1/2" NPS
6	FCL/FDL-07E	900	1040	1080	475	580	300	3/4" NPS
7	FCL/FDL-08E	900	1040	1080	475	580	300	3/4" NPS
8	FCL/FDL-09E	900	1040	1080	475	580	300	3/4" NPS
9	FCL/FDL-10E	1175	1315	1355	475	580	300	3/4" NPS

Note:

1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

UNIT DIMENSIONS & WEIGHT

HIGH STATIC SINGLE SKIN FCU



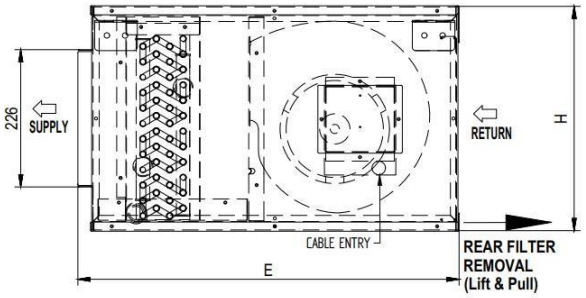
No.	Unit Model	A	B	C	D	E	F	G	H	C.W IN/OUT
1	FCH/FDH-12S	700	772	732	990	300	650	366	375	1" NPS
2	FCH/FDH-14S	950	982	982	1190	300	650	366	375	1" NPS
3	FCH/FDH-16S	1075	1107	1107	1390	300	650	366	375	1" NPS
4	FCH/FDH-18S	1075	1107	1107	1390	300	650	366	375	1" NPS
5	FCH/FDH-20S	1175	1207	1207	1440	300	650	366	375	1 1/2" NPS
7	FCH/FDH-24S	1375	1407	1407	1690	300	650	366	375	1 1/2" NPS
8	FCH/FDH-30S	1775	1807	1807	1990	300	650	366	375	1 1/2" NPS

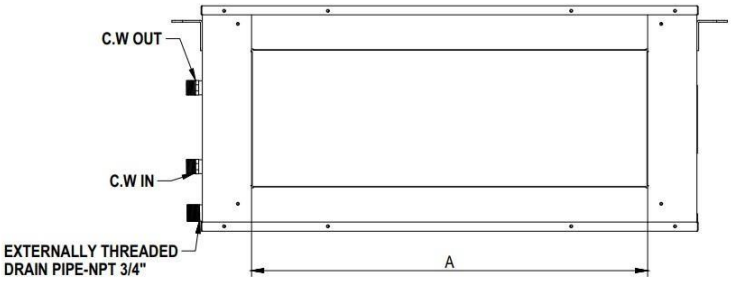
Note:

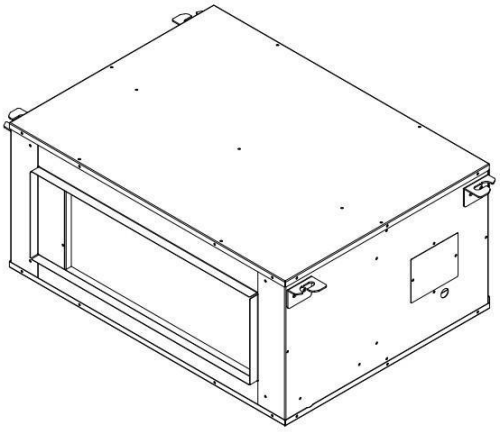
1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

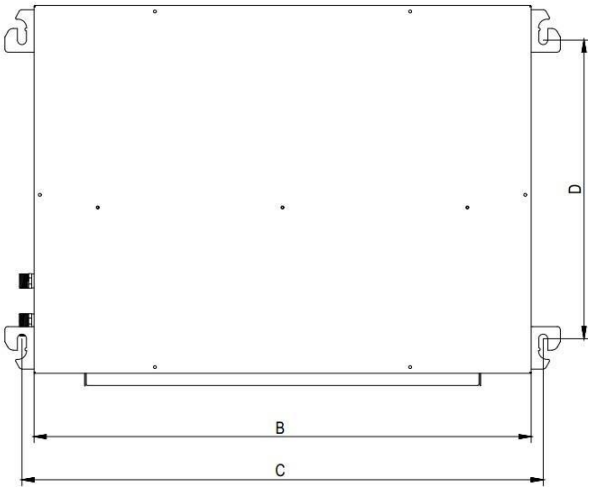
UNIT DIMENSIONS & WEIGHT

HIGH STATIC DOUBLE SKIN FCU









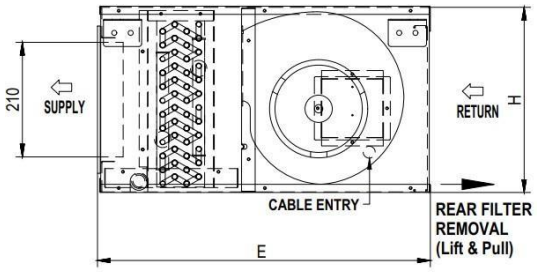
No.	Unit Model	A	B	C	D	E	H	C.W IN/OUT
1	FCH/FDH-12D	700	840	880	525	650	375	1" NPS
2	FCH/FDH-14D	950	1090	1130	525	650	375	1" NPS
3	FCH/FDH-16D	1075	1215	1255	525	650	375	1" NPS
4	FCH/FDH-18D	1075	1215	1255	525	650	375	1" NPS
5	FCH/FDH-20D	1175	1315	1355	525	650	375	1 1/2" NPS
7	FCH/FDH-24D	1375	1515	1555	525	650	375	1 1/2" NPS
8	FCH/FDH-30D	1775	1915	1955	525	650	375	1 1/2" NPS

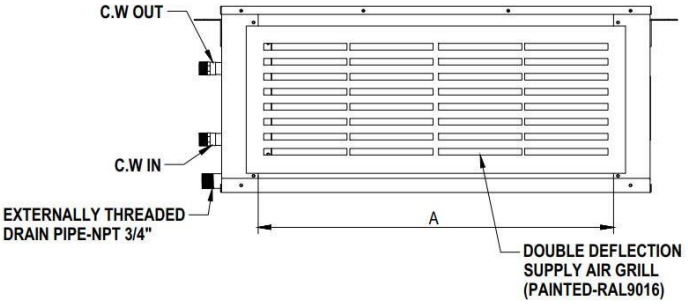
Note:

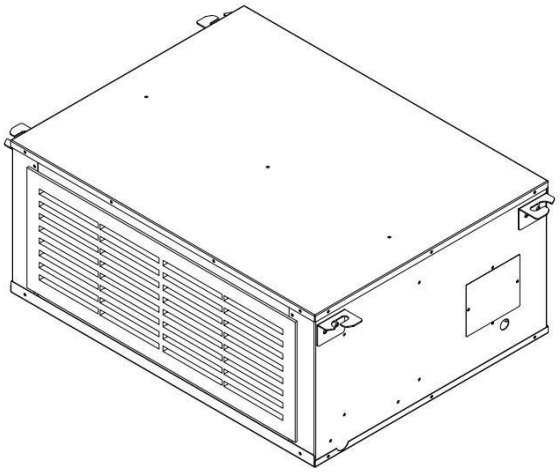
1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

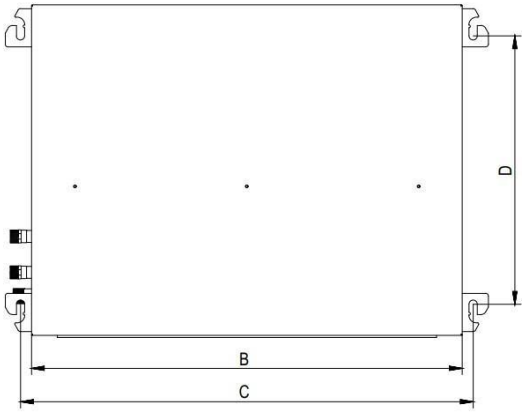
UNIT DIMENSIONS & WEIGHT

HIGH STATIC DECORATIVE FCU









No.	Unit Model	A	B	C	D	E	H	C.W IN/OUT
1	FCH/FDH-12D	700	840	880	525	630	375	1" NPS
2	FCH/FDH-14D	950	1090	1130	525	630	375	1" NPS
3	FCH/FDH-16D	1075	1215	1255	525	630	375	1" NPS
4	FCH/FDH-18D	1075	1215	1255	525	630	375	1" NPS
5	FCH/FDH-20D	1175	1315	1355	525	630	375	1 1/2" NPS
7	FCH/FDH-24D	1375	1515	1555	525	630	375	1 1/2" NPS
8	FCH/FDH-30D	1775	1915	1955	525	630	375	1 1/2" NPS

Note:

1. Dimensions are in mm.
2. Above shown with left hand coil connection.
3. Wiring connection is located at the opposite side of coil and drain connections.

PERFORMANCE DATA

LOW STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCL-02-W4	76/63	HI	444	261	7274	2.13	5762	1.69	1.62	0.10	2.72	8.13
		MED.	425	250	7056	2.07	5566	1.63	1.57	0.10	2.57	7.70
		LOW	367	216	6348	1.86	4944	1.45	1.41	0.09	2.14	6.39
	80/63	HI	444	261	7477	2.19	6848	2.01	1.67	0.10	2.85	8.53
		MED.	425	250	7142	2.10	6512	1.91	1.59	0.10	2.64	7.87
		LOW	367	216	6319	1.85	5670	1.66	1.41	0.09	2.12	6.34
	85/63	HI	444	261	8677	2.54	8532	2.50	1.93	0.12	3.71	11.11
		MED.	425	250	8282	2.43	8195	2.40	1.84	0.12	3.42	10.23
		LOW	367	216	7125	2.09	7160	2.10	1.58	0.10	2.62	7.84
	76/65	HI	444	261	8724	2.56	5829	1.71	1.94	0.12	3.75	11.21
		MED.	425	250	8458	2.48	5641	1.65	1.88	0.12	3.55	10.61
		LOW	367	216	7600	2.23	5034	1.47	1.69	0.10	2.94	8.79
	80/65	HI	444	261	8678	2.55	6745	1.98	1.93	0.12	3.71	11.11
		MED.	425	250	8414	2.47	6513	1.91	1.87	0.12	3.52	10.51
		LOW	367	216	7557	2.22	5778	1.69	1.68	0.10	2.91	8.71
	85/65	HI	444	261	8685	2.55	7912	2.32	1.93	0.12	3.72	11.13
		MED.	425	250	8375	2.46	7588	2.22	1.86	0.12	3.49	10.43
		LOW	367	216	7519	2.21	6693	1.96	1.67	0.10	2.89	8.63
	76/67	HI	444	261	10212	2.99	5844	1.72	2.27	0.14	4.95	14.82
		MED.	425	250	9897	2.91	5665	1.66	2.20	0.14	4.69	14.02
		LOW	367	216	8875	2.60	5080	1.49	1.97	0.12	3.87	11.57
	80/67	HI	444	261	10161	2.98	6780	1.99	2.26	0.14	4.91	14.69
		MED.	425	250	9846	2.89	6556	1.92	2.19	0.14	4.65	13.89
		LOW	367	216	8827	2.59	5838	1.71	1.96	0.12	3.83	11.45
	85/67	HI	444	261	10101	2.96	7931	2.33	2.25	0.14	4.86	14.53
		MED.	425	250	9786	2.87	7652	2.24	2.18	0.14	4.60	13.74
		LOW	367	216	8770	2.57	6770	1.98	1.95	0.12	3.78	11.32
FCL-03-W4	76/63	HI	628	369	10238	3.00	8117	2.38	2.28	0.15	5.68	16.98
		MED.	510	300	8823	2.59	6908	2.02	1.96	0.12	4.36	13.05
		LOW	391	230	7239	2.12	5567	1.63	1.61	0.10	3.09	9.22
	80/63	HI	628	369	10524	3.08	9647	2.83	2.34	0.15	5.97	17.84
		MED.	510	300	8931	2.62	8081	2.36	1.99	0.13	4.47	13.35
		LOW	391	230	7206	2.11	6384	1.87	1.61	0.10	3.06	9.15
	85/63	HI	628	369	12213	3.58	12020	3.52	2.72	0.17	7.76	23.21
		MED.	510	300	10357	3.04	10170	2.98	2.30	0.14	5.80	17.35
		LOW	391	230	8125	2.38	8062	2.37	1.81	0.12	3.79	11.31
	76/65	HI	628	369	12279	3.60	8212	2.41	2.73	0.17	7.83	23.43
		MED.	510	300	10577	3.10	7000	2.05	2.35	0.15	6.02	18.00
		LOW	391	230	8667	2.54	5668	1.66	1.93	0.12	4.25	12.69
	80/65	HI	628	369	12215	3.58	9502	2.79	2.72	0.17	7.76	23.21
		MED.	510	300	10521	3.09	8083	2.36	2.34	0.15	5.96	17.83
		LOW	391	230	8618	2.53	6506	1.91	1.92	0.12	4.20	12.56
	85/65	HI	628	369	12224	3.58	11145	3.27	2.72	0.17	7.78	23.26
		MED.	510	300	10473	3.07	9417	2.75	2.33	0.15	5.92	17.70
		LOW	391	230	8574	2.51	7537	2.21	1.91	0.12	4.17	12.45
	76/67	HI	628	369	14374	4.21	8233	2.41	3.20	0.21	10.36	30.97
		MED.	510	300	12375	3.63	7030	2.06	2.75	0.17	7.95	23.78
		LOW	391	230	10121	2.97	5720	1.68	2.25	0.14	5.58	16.69
	80/67	HI	628	369	14302	4.19	9551	2.80	3.18	0.20	10.27	30.70
		MED.	510	300	12312	3.61	8136	2.38	2.74	0.17	7.88	23.56
		LOW	391	230	10066	2.95	6574	1.93	2.24	0.14	5.53	16.52
	85/67	HI	628	369	14217	4.17	11172	3.28	3.16	0.20	10.16	30.37
		MED.	510	300	12238	3.59	9496	2.78	2.72	0.17	7.80	23.31
		LOW	391	230	10001	2.93	7624	2.24	2.23	0.14	5.46	16.33

PERFORMANCE DATA

LOW STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCL-04-W4	76/63	HI	728	428	11815	3.46	9377	2.74	2.63	0.17	3.81	11.39
		MED.	680	400	11267	3.30	8891	2.61	2.50	0.16	3.50	10.47
		LOW	566	333	9878	2.90	7680	2.25	2.20	0.14	2.78	8.31
	80/63	HI	728	428	12144	3.56	11144	3.26	2.71	0.17	4.00	11.96
		MED.	680	400	11404	3.34	10402	3.05	2.53	0.16	3.58	10.70
		LOW	566	333	9834	2.88	8808	2.58	2.19	0.14	2.76	8.25
	85/63	HI	728	428	14094	4.13	13885	4.07	3.14	0.20	5.21	15.57
		MED.	680	400	13225	3.88	13090	3.84	2.93	0.18	4.65	13.91
		LOW	566	333	11088	3.25	11122	3.26	2.47	0.16	3.41	10.20
	76/65	HI	728	428	14170	4.16	9486	2.78	3.15	0.20	5.26	15.71
		MED.	680	400	13506	3.96	9010	2.64	3.00	0.19	4.83	14.43
		LOW	566	333	11827	3.47	7820	2.29	2.63	0.17	3.83	11.44
	80/65	HI	728	428	14096	4.13	10977	3.21	3.14	0.20	5.21	15.57
		MED.	680	400	13435	3.94	10404	3.05	2.98	0.19	4.78	14.29
		LOW	566	333	11761	3.45	8975	2.63	2.62	0.17	3.79	11.33
	85/65	HI	728	428	14107	4.14	12875	3.77	3.14	0.20	5.22	15.60
		MED.	680	400	13373	3.92	12120	3.55	2.97	0.19	4.74	14.19
		LOW	566	333	11701	3.43	10397	3.05	2.60	0.17	3.75	11.22
	76/67	HI	728	428	16588	4.86	9510	2.78	3.69	0.24	6.95	20.77
		MED.	680	400	15803	4.63	9049	2.65	3.50	0.22	6.38	19.06
		LOW	566	333	13812	4.05	7891	2.32	3.07	0.19	5.03	15.04
	80/67	HI	728	428	16504	4.84	11033	3.23	3.67	0.23	6.89	20.59
		MED.	680	400	15722	4.61	10472	3.07	3.49	0.22	6.32	18.89
		LOW	566	333	13737	4.03	9069	2.66	3.05	0.19	4.98	14.89
	85/67	HI	728	428	16406	4.81	12906	3.78	3.65	0.23	6.81	20.37
		MED.	680	400	15627	4.58	12223	3.58	3.47	0.22	6.25	18.69
		LOW	566	333	13648	4.00	10517	3.09	3.03	0.19	4.92	14.72
FCL-05-W4	76/63	HI	1007	592	15829	4.64	12637	3.71	3.52	0.23	7.09	21.21
		MED.	850	500	14079	4.13	11112	3.26	3.13	0.20	5.76	17.22
		LOW	590	347	10781	3.16	8311	2.44	2.40	0.16	3.60	10.75
	80/63	HI	1007	592	16271	4.77	15018	4.40	3.62	0.23	7.45	22.28
		MED.	850	500	14251	4.18	13000	3.81	3.17	0.21	5.89	17.62
		LOW	590	347	10733	3.14	9531	2.80	2.39	0.16	3.56	10.67
	85/63	HI	1007	592	18883	5.53	18712	5.49	4.20	0.26	9.70	28.99
		MED.	850	500	16526	4.85	16360	4.80	3.67	0.23	7.66	22.89
		LOW	590	347	12101	3.54	12036	3.53	2.69	0.17	4.41	13.19
	76/65	HI	1007	592	18985	5.56	12784	3.75	4.22	0.26	9.79	29.26
		MED.	850	500	16877	4.95	11260	3.30	3.75	0.24	7.94	23.75
		LOW	590	347	12908	3.78	8462	2.48	2.87	0.18	4.95	14.79
	80/65	HI	1007	592	18885	5.53	14793	4.34	4.20	0.26	9.70	28.99
		MED.	850	500	16788	4.92	13003	3.81	3.74	0.24	7.87	23.53
		LOW	590	347	12836	3.76	9712	2.85	2.86	0.18	4.90	14.65
	85/65	HI	1007	592	18900	5.54	17351	5.09	4.20	0.26	9.72	29.04
		MED.	850	500	16711	4.90	15148	4.44	3.72	0.24	7.81	23.35
		LOW	590	347	12770	3.74	11251	3.30	2.84	0.18	4.85	14.51
	76/67	HI	1007	592	22224	6.51	12816	3.76	4.94	0.32	12.94	38.68
		MED.	850	500	19747	5.79	11309	3.32	4.39	0.28	10.50	31.38
		LOW	590	347	15074	4.41	8539	2.51	3.35	0.21	6.50	19.46
	80/67	HI	1007	592	22112	6.48	14869	4.36	4.91	0.31	12.83	38.34
		MED.	850	500	19646	5.76	13088	3.84	4.37	0.28	10.40	31.09
		LOW	590	347	14992	4.39	9814	2.88	3.33	0.21	6.44	19.26
	85/67	HI	1007	592	21981	6.44	17393	5.10	4.88	0.31	12.69	37.93
		MED.	850	500	19527	5.73	15276	4.48	4.34	0.28	10.29	30.76
		LOW	590	347	14895	4.36	11381	3.34	3.31	0.21	6.36	19.04

PERFORMANCE DATA

LOW STATIC CONVENTIONAL COOLING (ΔT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCL-06-W4	76/63	HI	1172	689	18767	5.50	15118	4.43	4.18	0.27	8.51	25.44
		MED.	1020	600	17113	5.02	13644	4.00	3.80	0.24	7.22	21.59
		LOW	667	392	12653	3.71	9807	2.87	2.82	0.18	4.24	12.66
	80/63	HI	1172	689	19290	5.65	17967	5.26	4.30	0.27	8.94	26.72
		MED.	1020	600	17321	5.08	15961	4.68	3.85	0.25	7.39	22.08
		LOW	667	392	12596	3.69	11247	3.29	2.81	0.18	4.20	12.56
	85/63	HI	1172	689	22387	6.56	22387	6.56	4.98	0.32	11.63	34.77
		MED.	1020	600	20087	5.89	20087	5.89	4.46	0.29	9.60	28.69
		LOW	667	392	14202	4.16	14202	4.16	3.16	0.21	5.20	15.53
	76/65	HI	1172	689	22507	6.59	15295	4.48	5.00	0.32	11.74	35.10
		MED.	1020	600	20514	6.01	13825	4.05	4.56	0.30	9.96	29.77
		LOW	667	392	15149	4.44	9985	2.92	3.37	0.22	5.83	17.42
	80/65	HI	1172	689	22390	6.56	17698	5.18	4.98	0.32	11.63	34.77
		MED.	1020	600	20406	5.98	15964	4.68	4.54	0.30	9.87	29.49
		LOW	667	392	15065	4.42	11461	3.35	3.35	0.22	5.77	17.25
	85/65	HI	1172	689	22407	6.56	20758	6.08	4.98	0.32	11.66	34.84
		MED.	1020	600	20312	5.95	18599	5.45	4.52	0.30	9.79	29.27
		LOW	667	392	14987	4.40	13277	3.89	3.33	0.22	5.72	17.09
	76/67	HI	1172	689	26348	7.72	15333	4.49	5.86	0.38	15.52	46.40
		MED.	1020	600	24002	7.04	13885	4.07	5.33	0.34	13.16	39.33
		LOW	667	392	17691	5.19	10076	2.95	3.93	0.25	7.66	22.91
	80/67	HI	1172	689	26215	7.68	17789	5.21	5.83	0.37	15.39	45.99
		MED.	1020	600	23879	7.00	16069	4.71	5.31	0.34	13.04	38.97
		LOW	667	392	17595	5.16	11581	3.39	3.91	0.25	7.59	22.68
	85/67	HI	1172	689	26060	7.63	20808	6.09	5.80	0.37	15.22	45.50
		MED.	1020	600	23735	6.96	18756	5.50	5.28	0.34	12.90	38.56
		LOW	667	392	17482	5.13	13430	3.93	3.89	0.25	7.50	22.42
FCL-07-W4	76/63	HI	1313	772	20120	5.90	16137	4.73	4.48	0.29	4.61	13.77
		MED.	1190	700	18822	5.52	14982	4.39	4.18	0.26	4.09	12.22
		LOW	1010	594	16803	4.93	13178	3.86	3.74	0.24	3.35	9.99
	80/63	HI	1313	772	20681	6.06	19179	5.63	4.61	0.29	4.84	14.47
		MED.	1190	700	19051	5.59	17527	5.13	4.24	0.27	4.18	12.50
		LOW	1010	594	16727	4.90	15113	4.43	3.73	0.24	3.31	9.91
	85/63	HI	1313	772	24001	7.04	23896	7.01	5.34	0.33	6.29	18.83
		MED.	1190	700	22093	6.48	22058	6.46	4.91	0.31	5.43	16.24
		LOW	1010	594	18860	5.53	19085	5.59	4.19	0.27	4.10	12.26
	76/65	HI	1313	772	24130	7.07	16326	4.79	5.37	0.33	6.35	19.00
		MED.	1190	700	22563	6.62	15182	4.45	5.02	0.32	5.64	16.85
		LOW	1010	594	20118	5.90	13418	3.93	4.48	0.29	4.60	13.75
	80/65	HI	1313	772	24004	7.04	18891	5.54	5.34	0.33	6.29	18.83
		MED.	1190	700	22444	6.58	17531	5.14	4.99	0.32	5.59	16.69
		LOW	1010	594	20005	5.86	15401	4.51	4.45	0.29	4.55	13.61
	85/65	HI	1313	772	24022	7.04	22157	6.50	5.34	0.33	6.31	18.86
		MED.	1190	700	22340	6.55	20424	5.98	4.97	0.32	5.54	16.57
		LOW	1010	594	19903	5.83	17841	5.23	4.42	0.29	4.51	13.49
	76/67	HI	1313	772	28247	8.28	16367	4.80	6.28	0.40	8.40	25.12
		MED.	1190	700	26399	7.74	15248	4.47	5.86	0.37	7.45	22.26
		LOW	1010	594	23494	6.89	13540	3.97	5.22	0.33	6.05	18.08
	80/67	HI	1313	772	28105	8.24	18988	5.57	6.25	0.39	8.33	24.90
		MED.	1190	700	26264	7.70	17646	5.17	5.84	0.37	7.38	22.06
		LOW	1010	594	23366	6.85	15562	4.56	5.19	0.33	5.99	17.90
	85/67	HI	1313	772	27939	8.19	22211	6.52	6.22	0.39	8.24	24.63
		MED.	1190	700	26105	7.65	20596	6.03	5.80	0.37	7.30	21.83
		LOW	1010	594	23215	6.80	18047	5.29	5.16	0.33	5.92	17.69

PERFORMANCE DATA

LOW STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCL-08-W4	76/63	HI	1459	858	21609	6.34	17441	5.11	4.81	0.31	5.23	15.65
		MED.	1361	800	20635	6.05	16553	4.85	4.58	0.28	4.82	14.41
		LOW	1037	610	17128	5.02	13452	3.95	3.81	0.24	3.46	10.34
	80/63	HI	1459	858	22211	6.51	20728	6.07	4.95	0.31	5.50	16.44
		MED.	1361	800	20887	6.12	19365	5.67	4.65	0.30	4.93	14.74
		LOW	1037	610	17052	5.00	15428	4.53	3.80	0.24	3.43	10.26
	85/63	HI	1459	858	25777	7.56	25826	7.56	5.74	0.36	7.15	21.39
		MED.	1361	800	24222	7.10	24371	7.14	5.38	0.34	6.40	19.15
		LOW	1037	610	19226	5.63	19482	5.72	4.28	0.27	4.25	12.69
	76/65	HI	1459	858	25916	7.60	17645	5.17	5.76	0.36	7.22	21.59
		MED.	1361	800	24737	7.25	16774	4.91	5.50	0.35	6.65	19.87
		LOW	1037	610	20508	6.01	13698	4.02	4.57	0.29	4.76	14.23
	80/65	HI	1459	858	25780	7.56	20417	5.98	5.74	0.36	7.15	21.39
		MED.	1361	800	24607	7.21	19369	5.67	5.47	0.35	6.59	19.68
		LOW	1037	610	20393	5.98	15722	4.61	4.54	0.29	4.71	14.09
	85/65	HI	1459	858	25800	7.56	23947	7.01	5.74	0.36	7.17	21.43
		MED.	1361	800	24493	7.18	22565	6.61	5.45	0.35	6.53	19.54
		LOW	1037	610	20289	5.95	18212	5.34	4.51	0.29	4.67	13.96
	76/67	HI	1459	858	30338	8.89	17689	5.18	6.75	0.43	9.54	28.54
		MED.	1361	800	28943	8.48	16846	4.93	6.43	0.40	8.78	26.25
		LOW	1037	610	23949	7.02	13822	4.06	5.32	0.33	6.26	18.72
	80/67	HI	1459	858	30185	8.85	20522	6.01	6.71	0.42	9.46	28.29
		MED.	1361	800	28795	8.44	19496	5.71	6.40	0.40	8.70	26.01
		LOW	1037	610	23819	6.98	15886	4.66	5.29	0.33	6.20	18.53
	85/67	HI	1459	858	30006	8.80	24005	7.03	6.67	0.42	9.36	27.99
		MED.	1361	800	28621	8.39	22756	6.66	6.36	0.40	8.61	25.74
		LOW	1037	610	23665	6.93	18422	5.41	5.26	0.33	6.13	18.32
FCL-09-W4	76/63	HI	1597	939	22936	6.72	18617	5.46	5.10	0.33	5.82	17.41
		MED.	1531	900	22329	6.54	18040	5.29	4.95	0.31	5.55	16.59
		LOW	1190	700	18887	5.54	14943	4.38	4.21	0.27	4.12	12.31
	80/63	HI	1597	939	23575	6.91	22126	6.49	5.25	0.33	6.12	18.29
		MED.	1531	900	22601	6.62	21104	6.19	5.02	0.33	5.68	16.96
		LOW	1190	700	18802	5.51	17137	5.02	4.19	0.27	4.08	12.22
	85/63	HI	1597	939	27360	8.02	27568	8.08	6.09	0.38	7.96	23.80
		MED.	1531	900	26210	7.68	26559	7.79	5.82	0.37	7.38	22.04
		LOW	1190	700	21199	6.21	21641	6.34	4.72	0.31	5.06	15.11
	76/65	HI	1597	939	27508	8.06	18835	5.52	6.11	0.38	8.03	24.03
		MED.	1531	900	26767	7.84	18280	5.36	5.94	0.38	7.65	22.87
		LOW	1190	700	22613	6.63	15215	4.46	5.04	0.32	5.67	16.94
	80/65	HI	1597	939	27364	8.02	21794	6.39	6.09	0.38	7.96	23.80
		MED.	1531	900	26626	7.80	21108	6.19	5.92	0.38	7.58	22.66
		LOW	1190	700	22487	6.59	17463	5.12	5.01	0.32	5.61	16.78
	85/65	HI	1597	939	27385	8.03	25562	7.49	6.09	0.38	7.98	23.85
		MED.	1531	900	26503	7.77	24592	7.21	5.89	0.38	7.52	22.49
		LOW	1190	700	22372	6.56	20230	5.93	4.98	0.32	5.56	16.62
	76/67	HI	1597	939	32201	9.44	18882	5.53	7.16	0.46	10.62	31.76
		MED.	1531	900	31319	9.18	18359	5.38	6.95	0.44	10.11	30.22
		LOW	1190	700	26408	7.74	15354	4.50	5.87	0.37	7.45	22.28
	80/67	HI	1597	939	32039	9.39	21906	6.42	7.12	0.45	10.53	31.48
		MED.	1531	900	31158	9.13	21247	6.23	6.92	0.44	10.02	29.94
		LOW	1190	700	26264	7.70	17646	5.17	5.84	0.37	7.38	22.06
	85/67	HI	1597	939	31849	9.33	25624	7.51	7.08	0.45	10.41	31.14
		MED.	1531	900	30970	9.08	24799	7.27	6.88	0.44	9.91	29.63
		LOW	1190	700	26095	7.65	20463	6.00	5.81	0.37	7.29	21.81

PERFORMANCE DATA

LOW STATIC CONVENTIONAL COOLING (ΔT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCL-10-W4	76/63	HI	1764	1037	27651	8.10	22085	6.48	6.15	0.40	6.13	18.32
		MED.	1701	1000	27000	7.91	21476	6.29	5.99	0.38	5.80	17.36
		LOW	1218	716	21357	6.26	16587	4.86	4.76	0.31	3.91	11.67
	80/63	HI	1764	1037	28422	8.33	26247	7.70	6.32	0.40	6.44	19.24
		MED.	1701	1000	27330	8.01	25124	7.36	6.08	0.39	5.94	17.75
		LOW	1218	716	21262	6.23	19023	5.58	4.74	0.31	3.87	11.58
	85/63	HI	1764	1037	32984	9.67	32703	9.59	7.33	0.46	8.37	25.04
		MED.	1701	1000	31694	9.29	31618	9.26	7.04	0.44	7.72	23.07
		LOW	1218	716	23973	7.02	24022	7.04	5.33	0.35	4.80	14.32
	76/65	HI	1764	1037	33162	9.72	22342	6.55	7.37	0.46	8.45	25.28
		MED.	1701	1000	32367	9.48	21762	6.38	7.19	0.46	8.00	23.93
		LOW	1218	716	25571	7.49	16890	4.95	5.70	0.37	5.38	16.06
	80/65	HI	1764	1037	32989	9.67	25853	7.58	7.33	0.46	8.37	25.04
		MED.	1701	1000	32197	9.44	25129	7.36	7.16	0.46	7.93	23.71
		LOW	1218	716	25429	7.45	19385	5.68	5.66	0.37	5.32	15.90
	85/65	HI	1764	1037	33014	9.68	30324	8.89	7.33	0.46	8.39	25.09
		MED.	1701	1000	32048	9.39	29276	8.58	7.12	0.46	7.87	23.53
		LOW	1218	716	25298	7.41	22457	6.58	5.62	0.37	5.28	15.76
	76/67	HI	1764	1037	38820	11.38	22399	6.57	8.63	0.56	11.17	33.42
		MED.	1701	1000	37871	11.10	21856	6.40	8.40	0.53	10.58	31.62
		LOW	1218	716	29863	8.75	17043	5.00	6.64	0.42	7.06	21.12
	80/67	HI	1764	1037	38625	11.32	25986	7.62	8.58	0.54	11.08	33.12
		MED.	1701	1000	37677	11.04	25294	7.41	8.37	0.53	10.48	31.33
		LOW	1218	716	29700	8.70	19588	5.74	6.60	0.42	7.00	20.91
	85/67	HI	1764	1037	38396	11.25	30397	8.91	8.53	0.54	10.96	32.77
		MED.	1701	1000	37449	10.97	29523	8.65	8.32	0.53	10.37	31.00
		LOW	1218	716	29509	8.64	22715	6.66	6.56	0.42	6.92	20.67

PERFORMANCE DATA

HIGH STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCH-12-W4	76/63	HI	1786	1050	27827	8.15	22250	6.52	6.19	0.40	5.98	17.88
		MED.	1701	1000	26942	7.90	21438	6.28	5.98	0.38	5.65	16.89
		LOW	1556	915	25418	7.45	20002	5.86	5.66	0.37	5.12	15.28
	80/63	HI	1786	1050	28603	8.38	26444	7.75	6.37	0.40	6.28	18.78
		MED.	1701	1000	27271	7.99	25080	7.35	6.06	0.39	5.78	17.28
		LOW	1556	915	25304	7.42	22939	6.72	5.63	0.37	5.07	15.16
	85/63	HI	1786	1050	33194	9.73	32948	9.65	7.39	0.47	8.17	24.44
		MED.	1701	1000	31626	9.27	31563	9.25	7.02	0.44	7.51	22.45
		LOW	1556	915	28530	8.36	28967	8.49	6.34	0.41	6.28	18.74
	76/65	HI	1786	1050	33374	9.78	22510	6.59	7.42	0.47	8.25	24.67
		MED.	1701	1000	32298	9.47	21724	6.37	7.17	0.46	7.79	23.29
		LOW	1556	915	30432	8.92	20366	5.97	6.77	0.43	7.04	21.02
	80/65	HI	1786	1050	33199	9.73	26047	7.63	7.39	0.47	8.17	24.44
		MED.	1701	1000	32128	9.42	25085	7.35	7.14	0.46	7.72	23.07
		LOW	1556	915	30262	8.87	23376	6.85	6.73	0.43	6.96	20.82
	85/65	HI	1786	1050	33224	9.74	30551	8.95	7.39	0.47	8.19	24.48
		MED.	1701	1000	31979	9.37	29225	8.56	7.10	0.46	7.66	22.90
		LOW	1556	915	30108	8.82	27079	7.93	6.69	0.43	6.90	20.62
	76/67	HI	1786	1050	39068	11.45	22567	6.61	8.69	0.57	10.90	32.61
		MED.	1701	1000	37790	11.08	21818	6.39	8.38	0.53	10.29	30.77
		LOW	1556	915	35539	10.42	20552	6.02	7.89	0.50	9.24	27.65
	80/67	HI	1786	1050	38871	11.39	26181	7.67	8.64	0.55	10.81	32.32
		MED.	1701	1000	37596	11.02	25250	7.40	8.35	0.53	10.20	30.49
		LOW	1556	915	35346	10.36	23620	6.92	7.85	0.50	9.16	27.37
	85/67	HI	1786	1050	38641	11.32	30625	8.97	8.59	0.55	10.69	31.98
		MED.	1701	1000	37369	10.95	29472	8.64	8.30	0.53	10.09	30.17
		LOW	1556	915	35118	10.29	27391	8.03	7.81	0.50	9.05	27.06
FCH-14-W4	76/63	HI	2388	1404	37051	10.86	29649	8.68	8.24	0.54	5.66	16.92
		MED.	2041	1200	33259	9.75	26327	7.72	7.38	0.46	4.67	13.96
		LOW	1371	806	24885	7.29	19205	5.63	5.54	0.36	2.82	8.41
	80/63	HI	2388	1404	38084	11.16	35237	10.32	8.48	0.54	5.94	17.77
		MED.	2041	1200	33665	9.87	30799	9.03	7.48	0.48	4.78	14.28
		LOW	1371	806	24774	7.26	22025	6.46	5.52	0.36	2.79	8.35
	85/63	HI	2388	1404	44198	12.96	43904	12.86	9.83	0.62	7.73	23.12
		MED.	2041	1200	39041	11.44	38761	11.36	8.67	0.55	6.21	18.55
		LOW	1371	806	27933	8.18	27813	8.16	6.22	0.40	3.45	10.32
	76/65	HI	2388	1404	44436	13.02	29995	8.79	9.87	0.62	7.80	23.34
		MED.	2041	1200	39871	11.68	26678	7.82	8.85	0.57	6.44	19.25
		LOW	1371	806	29795	8.73	19555	5.73	6.64	0.43	3.87	11.57
	80/65	HI	2388	1404	44204	12.96	34709	10.17	9.83	0.62	7.73	23.12
		MED.	2041	1200	39661	11.62	30806	9.03	8.81	0.57	6.38	19.07
		LOW	1371	806	29629	8.68	22444	6.58	6.59	0.43	3.83	11.46
	85/65	HI	2388	1404	44238	12.97	40710	11.93	9.83	0.62	7.75	23.17
		MED.	2041	1200	39478	11.57	35889	10.52	8.77	0.57	6.33	18.93
		LOW	1371	806	29477	8.64	26000	7.62	6.55	0.43	3.80	11.36
	76/67	HI	2388	1404	52018	15.25	30071	8.81	11.56	0.75	10.32	30.85
		MED.	2041	1200	46650	13.67	26794	7.86	10.35	0.65	8.51	25.43
		LOW	1371	806	34795	10.19	19733	5.79	7.73	0.49	5.09	15.22
	80/67	HI	2388	1404	51756	15.17	34887	10.22	11.50	0.73	10.23	30.58
		MED.	2041	1200	46411	13.60	31008	9.09	10.31	0.65	8.43	25.20
		LOW	1371	806	34606	10.14	22679	6.65	7.69	0.49	5.04	15.07
	85/67	HI	2388	1404	51450	15.08	40809	11.95	11.44	0.73	10.12	30.25
		MED.	2041	1200	46130	13.52	36193	10.61	10.25	0.65	8.34	24.93
		LOW	1371	806	34383	10.07	26300	7.71	7.65	0.49	4.98	14.90

PERFORMANCE DATA

HIGH STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCH-16-W4	76/63	HI	2653	1560	42113	12.34	33559	9.83	9.37	0.60	5.61	16.79
		MED.	2381	1400	39106	11.46	30910	9.06	8.68	0.55	4.94	14.77
		LOW	1745	1026	31306	9.17	24212	7.10	6.97	0.45	3.37	10.08
	80/63	HI	2653	1560	43287	12.69	39885	11.69	9.63	0.60	5.90	17.63
		MED.	2381	1400	39583	11.60	36161	10.60	8.80	0.57	5.06	15.11
		LOW	1745	1026	31165	9.13	27768	8.14	6.94	0.45	3.34	10.00
	85/63	HI	2653	1560	50236	14.72	49694	14.56	11.17	0.70	7.67	22.95
		MED.	2381	1400	45904	13.45	45509	13.34	10.20	0.65	6.57	19.63
		LOW	1745	1026	35139	10.30	35064	10.28	7.82	0.50	4.14	12.36
	76/65	HI	2653	1560	50507	14.80	33951	9.95	11.22	0.70	7.74	23.16
		MED.	2381	1400	46880	13.74	31323	9.18	10.42	0.67	6.81	20.37
		LOW	1745	1026	37482	10.99	24653	7.23	8.35	0.53	4.64	13.86
	80/65	HI	2653	1560	50243	14.73	39286	11.51	11.17	0.70	7.67	22.95
		MED.	2381	1400	46633	13.67	36168	10.60	10.37	0.67	6.75	20.17
		LOW	1745	1026	37273	10.92	28296	8.29	8.29	0.53	4.59	13.73
	85/65	HI	2653	1560	50281	14.74	46079	13.50	11.17	0.70	7.69	22.99
		MED.	2381	1400	46418	13.60	42137	12.35	10.32	0.67	6.70	20.02
		LOW	1745	1026	37082	10.87	32779	9.61	8.24	0.53	4.55	13.60
	76/67	HI	2653	1560	59125	17.33	34037	9.97	13.14	0.84	10.24	30.62
		MED.	2381	1400	54851	16.07	31458	9.22	12.18	0.77	9.00	26.91
		LOW	1745	1026	43772	12.83	24878	7.29	9.72	0.61	6.10	18.23
	80/67	HI	2653	1560	58827	17.24	39488	11.57	13.07	0.82	10.15	30.35
		MED.	2381	1400	54570	15.99	36406	10.67	12.13	0.77	8.92	26.66
		LOW	1745	1026	43534	12.76	28592	8.38	9.67	0.61	6.04	18.05
	85/67	HI	2653	1560	58479	17.14	46191	13.53	13.00	0.82	10.04	30.03
		MED.	2381	1400	54240	15.89	42493	12.45	12.06	0.77	8.82	26.38
		LOW	1745	1026	43253	12.68	33157	9.72	9.62	0.61	5.97	17.84
FCH-18-W4	76/63	HI	2806	1650	43753	12.82	34981	10.25	9.74	0.63	6.01	17.98
		MED.	2721	1600	42893	12.57	34163	10.01	9.52	0.60	5.79	17.31
		LOW	2213	1301	37254	10.91	29152	8.55	8.29	0.54	4.55	13.60
	80/63	HI	2806	1650	44973	13.18	41574	12.18	10.01	0.63	6.31	18.88
		MED.	2721	1600	43416	12.72	39966	11.71	9.65	0.62	5.92	17.71
		LOW	2213	1301	37087	10.87	33434	9.80	8.26	0.54	4.51	13.49
	85/63	HI	2806	1650	52192	15.30	51800	15.18	11.61	0.73	8.21	24.57
		MED.	2721	1600	50349	14.76	50298	14.74	11.18	0.70	7.69	23.01
		LOW	2213	1301	41816	12.25	42219	12.38	9.30	0.60	5.58	16.68
	76/65	HI	2806	1650	52474	15.38	35390	10.37	11.66	0.73	8.29	24.80
		MED.	2721	1600	51419	15.07	34619	10.14	11.42	0.73	7.98	23.87
		LOW	2213	1301	44604	13.07	29683	8.70	9.93	0.63	6.26	18.71
	80/65	HI	2806	1650	52200	15.30	40951	12.00	11.61	0.73	8.21	24.57
		MED.	2721	1600	51148	14.99	39974	11.71	11.37	0.73	7.91	23.65
		LOW	2213	1301	44355	13.00	34070	9.99	9.87	0.63	6.20	18.53
	85/65	HI	2806	1650	52240	15.31	48031	14.07	11.61	0.73	8.24	24.62
		MED.	2721	1600	50912	14.92	46571	13.65	11.32	0.73	7.85	23.47
		LOW	2213	1301	44128	12.93	39468	11.57	9.81	0.63	6.14	18.36
	76/67	HI	2806	1650	61427	18.00	35479	10.39	13.65	0.89	10.96	32.79
		MED.	2721	1600	60162	17.63	34769	10.19	13.35	0.84	10.55	31.54
		LOW	2213	1301	52090	15.26	29954	8.78	11.57	0.73	8.23	24.61
	80/67	HI	2806	1650	61118	17.91	41161	12.06	13.58	0.86	10.87	32.50
		MED.	2721	1600	59854	17.54	40237	11.79	13.30	0.84	10.45	31.25
		LOW	2213	1301	51806	15.18	34426	10.09	11.51	0.73	8.15	24.36
	85/67	HI	2806	1650	60756	17.80	48148	14.11	13.51	0.86	10.75	32.15
		MED.	2721	1600	59492	17.43	46965	13.76	13.22	0.84	10.34	30.92
		LOW	2213	1301	51472	15.08	39922	11.70	11.45	0.73	8.05	24.08

PERFORMANCE DATA

HIGH STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCH-20-W4	76/63	HI	3163	1860	50940	14.93	40485	11.86	11.33	0.74	6.87	20.53
		MED.	3061	1800	49791	14.59	39428	11.56	11.05	0.69	6.61	19.77
		LOW	2651	1559	44938	13.17	35122	10.30	10.01	0.65	5.61	16.76
	80/63	HI	3163	1860	52360	15.34	48116	14.10	11.65	0.74	7.21	21.56
		MED.	3061	1800	50398	14.77	46126	13.52	11.21	0.72	6.77	20.22
		LOW	2651	1559	44737	13.11	40280	11.81	9.97	0.65	5.56	16.62
	85/63	HI	3163	1860	60765	17.81	59950	17.57	13.51	0.85	9.39	28.06
		MED.	3061	1800	58446	17.13	58049	17.01	12.98	0.81	8.79	26.27
		LOW	2651	1559	50441	14.79	50865	14.91	11.23	0.73	6.88	20.56
	76/65	HI	3163	1860	61093	17.90	40958	12.00	13.57	0.85	9.47	28.32
		MED.	3061	1800	59689	17.49	39954	11.71	13.26	0.84	9.12	27.26
		LOW	2651	1559	53805	15.77	35762	10.48	11.99	0.77	7.71	23.06
	80/65	HI	3163	1860	60774	17.81	47393	13.89	13.51	0.85	9.39	28.06
		MED.	3061	1800	59374	17.40	46135	13.52	13.20	0.84	9.04	27.00
		LOW	2651	1559	53504	15.68	41047	12.03	11.91	0.77	7.63	22.83
	85/65	HI	3163	1860	60820	17.82	55588	16.29	13.51	0.85	9.41	28.11
		MED.	3061	1800	59100	17.32	53748	15.75	13.14	0.84	8.96	26.80
		LOW	2651	1559	53231	15.60	47550	13.94	11.84	0.77	7.57	22.62
	76/67	HI	3163	1860	71517	20.95	41061	12.03	15.90	1.03	12.52	37.44
		MED.	3061	1800	69838	20.47	40127	11.76	15.50	0.97	12.05	36.01
		LOW	2651	1559	62834	18.42	36088	10.58	13.97	0.88	10.13	30.32
	80/67	HI	3163	1860	71157	20.85	47637	13.96	15.81	1.00	12.42	37.11
		MED.	3061	1800	69480	20.36	46438	13.61	15.44	0.97	11.94	35.68
		LOW	2651	1559	62492	18.32	41476	12.16	13.89	0.88	10.04	30.02
	85/67	HI	3163	1860	70736	20.73	55723	16.33	15.72	1.00	12.28	36.71
		MED.	3061	1800	69060	20.24	54202	15.89	15.35	0.97	11.81	35.30
		LOW	2651	1559	62089	18.20	48098	14.10	13.81	0.88	9.92	29.68
FCH-24-W4	76/63	HI	3928	2310	57659	16.90	46616	13.66	12.83	0.83	11.25	33.64
		MED.	3486	2050	53067	15.55	42540	12.47	11.78	0.74	9.67	28.92
		LOW	2493	1466	41576	12.18	32592	9.55	9.26	0.60	5.39	16.10
	80/63	HI	3928	2310	59266	17.37	55402	16.24	13.19	0.83	11.82	35.33
		MED.	3486	2050	53714	15.74	49766	14.58	11.95	0.77	9.89	29.57
		LOW	2493	1466	41390	12.13	37378	10.96	9.22	0.60	5.34	15.97
	85/63	HI	3928	2310	68780	20.16	69028	20.24	15.30	0.96	15.37	45.97
		MED.	3486	2050	62292	18.26	62630	18.35	13.84	0.87	12.85	38.42
		LOW	2493	1466	46667	13.67	47201	13.84	10.39	0.67	6.61	19.75
	76/65	HI	3928	2310	69152	20.27	47160	13.82	15.37	0.96	15.52	46.41
		MED.	3486	2050	63615	18.64	43107	12.63	14.14	0.91	13.34	39.87
		LOW	2493	1466	49779	14.59	33186	9.73	11.09	0.70	7.41	22.15
	80/65	HI	3928	2310	68790	20.17	54571	16.00	15.30	0.96	15.37	45.97
		MED.	3486	2050	63280	18.55	49776	14.58	14.07	0.91	13.22	39.50
		LOW	2493	1466	49501	14.50	38090	11.16	11.02	0.70	7.34	21.94
	85/65	HI	3928	2310	68843	20.18	64007	18.76	15.30	0.96	15.41	46.07
		MED.	3486	2050	62988	18.46	57990	16.99	14.00	0.91	13.11	39.20
		LOW	2493	1466	49248	14.43	44124	12.93	10.95	0.70	7.27	21.73
	76/67	HI	3928	2310	80951	23.73	47279	13.86	18.00	1.16	20.51	61.35
		MED.	3486	2050	74433	21.81	43294	12.69	16.53	1.04	17.62	52.68
		LOW	2493	1466	58132	17.03	33488	9.82	12.92	0.81	9.74	29.13
	80/67	HI	3928	2310	80543	23.61	54851	16.08	17.90	1.13	20.34	60.81
		MED.	3486	2050	74051	21.70	50103	14.68	16.46	1.04	17.46	52.19
		LOW	2493	1466	57816	16.94	38488	11.28	12.85	0.81	9.65	28.84
	85/67	HI	3928	2310	80066	23.47	64162	18.81	17.80	1.13	20.12	60.16
		MED.	3486	2050	73603	21.57	58480	17.13	16.36	1.04	17.27	51.64
		LOW	2493	1466	57443	16.83	44633	13.08	12.78	0.81	9.54	28.51

PERFORMANCE DATA

HIGH STATIC CONVENTIONAL COOLING (AT 9°F / 5.0°C)

Unit Model	Cooling Coil Air Inlet				45							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FCH-30-W4	76/63	HI	5230	3075	72866	21.36	57402	16.83	16.22	1.05	13.58	40.61
		MED.	5102	3000	68795	20.17	56384	16.53	15.27	0.96	13.23	39.58
		LOW	3634	2137	55268	16.20	44070	12.92	12.31	0.80	8.87	26.48
	80/63	HI	5230	3075	74897	21.95	68221	20.00	16.67	1.05	14.27	42.65
		MED.	5102	3000	69634	20.41	65961	19.33	15.48	1.00	13.54	40.48
		LOW	3634	2137	55020	16.13	50543	14.81	12.26	0.80	8.78	26.27
	85/63	HI	5230	3075	86920	25.47	85001	24.92	19.34	1.22	18.56	55.50
		MED.	5102	3000	80753	23.67	83012	24.33	17.93	1.13	17.60	52.60
		LOW	3634	2137	62035	18.18	63824	18.70	13.80	0.89	10.87	32.48
	76/65	HI	5230	3075	87390	25.61	58073	17.02	19.42	1.22	18.74	56.03
		MED.	5102	3000	82470	24.18	57135	16.74	18.32	1.18	18.25	54.58
		LOW	3634	2137	66172	19.40	44873	13.15	14.74	0.94	12.19	36.43
	80/65	HI	5230	3075	86933	25.48	67198	19.70	19.34	1.22	18.56	55.50
		MED.	5102	3000	82035	24.05	65975	19.33	18.23	1.18	18.09	54.07
		LOW	3634	2137	65802	19.29	51504	15.09	14.65	0.94	12.06	36.07
	85/65	HI	5230	3075	86999	25.50	78817	23.10	19.34	1.22	18.61	55.61
		MED.	5102	3000	81657	23.94	76861	22.52	18.15	1.18	17.94	53.67
		LOW	3634	2137	65466	19.19	59665	17.49	14.55	0.94	11.96	35.74
	76/67	HI	5230	3075	102300	29.98	58219	17.06	22.74	1.47	24.77	74.07
		MED.	5102	3000	96493	28.29	57383	16.82	21.42	1.35	24.12	72.11
		LOW	3634	2137	77277	22.65	45282	13.27	17.17	1.08	16.02	47.91
	80/67	HI	5230	3075	101785	29.83	67543	19.80	22.62	1.43	24.56	73.41
		MED.	5102	3000	95998	28.14	66408	19.46	21.33	1.35	23.90	71.45
		LOW	3634	2137	76856	22.53	52043	15.25	17.08	1.08	15.87	47.43
	85/67	HI	5230	3075	101183	29.65	79008	23.16	22.50	1.43	24.29	72.63
		MED.	5102	3000	95417	27.97	77511	22.71	21.20	1.35	23.64	70.70
		LOW	3634	2137	76361	22.38	60352	17.69	16.99	1.08	15.68	46.89

PERFORMANCE DATA

LOW STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDL-02-W4	76/63	HI	444	261	6995	2.05	5425	1.59	0.87	0.05	3.15	9.42
		MED.	425	250	6756	1.98	5254	1.54	0.84	0.05	2.97	8.87
		LOW	367	216	5971	1.75	4606	1.35	0.75	0.05	2.38	7.10
	80/63	HI	444	261	7630	2.24	6757	1.98	0.95	0.05	3.67	10.96
		MED.	425	250	7285	2.13	6454	1.89	0.91	0.05	3.37	10.09
		LOW	367	216	6239	1.83	5491	1.61	0.78	0.05	2.58	7.68
	85/63	HI	444	261	8885	2.60	8756	2.57	1.11	0.06	4.79	14.33
		MED.	425	250	8460	2.48	8430	2.47	1.05	0.06	4.40	13.17
		LOW	367	216	7240	2.12	7315	2.14	0.91	0.06	3.35	9.99
	76/65	HI	444	261	8747	2.56	5724	1.68	1.09	0.06	4.66	13.92
		MED.	425	250	8445	2.48	5547	1.63	1.05	0.06	4.39	13.10
		LOW	367	216	7491	2.20	4913	1.44	0.94	0.06	3.55	10.59
	80/65	HI	444	261	8706	2.55	6581	1.93	1.08	0.06	4.61	13.79
		MED.	425	250	8401	2.46	6381	1.87	1.04	0.06	4.34	12.98
		LOW	367	216	7455	2.18	5599	1.64	0.94	0.06	3.52	10.49
	85/65	HI	444	261	8899	2.61	7832	2.30	1.11	0.06	4.80	14.35
		MED.	425	250	8474	2.48	7479	2.19	1.05	0.06	4.41	13.18
		LOW	367	216	7419	2.17	6466	1.90	0.93	0.06	3.49	10.41
	76/67	HI	444	261	10472	3.07	5670	1.66	1.30	0.07	6.40	19.15
		MED.	425	250	10105	2.96	5517	1.62	1.26	0.07	6.02	17.99
		LOW	367	216	8957	2.63	4895	1.43	1.13	0.08	4.87	14.52
	80/67	HI	444	261	10417	3.05	6798	1.99	1.30	0.07	6.34	18.97
		MED.	425	250	10061	2.95	6586	1.93	1.25	0.07	5.96	17.82
		LOW	367	216	8903	2.61	5816	1.70	1.12	0.07	4.82	14.38
	85/67	HI	444	261	10361	3.04	7900	2.32	1.29	0.07	6.28	18.78
		MED.	425	250	10002	2.93	7640	2.24	1.24	0.07	5.90	17.64
		LOW	367	216	8849	2.59	6701	1.96	1.11	0.07	4.77	14.22
FDL-03-W4	76/63	HI	628	369	9417	2.76	7370	2.16	1.18	0.07	6.07	18.15
		MED.	510	300	8155	2.39	6312	1.85	1.02	0.06	4.71	14.09
		LOW	391	230	6688	1.96	5084	1.49	0.84	0.05	3.31	9.88
	80/63	HI	628	369	10271	3.01	9180	2.69	1.29	0.08	7.07	21.12
		MED.	510	300	8793	2.58	7754	2.27	1.10	0.06	5.35	16.02
		LOW	391	230	6988	2.05	6061	1.78	0.88	0.05	3.59	10.68
	85/63	HI	628	369	11962	3.51	11895	3.49	1.50	0.09	9.23	27.61
		MED.	510	300	10211	2.99	10127	2.97	1.28	0.08	6.98	20.92
		LOW	391	230	8110	2.38	8075	2.37	1.02	0.06	4.66	13.90
	76/65	HI	628	369	11776	3.45	7776	2.28	1.48	0.09	8.97	26.82
		MED.	510	300	10194	2.99	6664	1.95	1.28	0.08	6.95	20.81
		LOW	391	230	8390	2.46	5423	1.59	1.05	0.06	4.94	14.73
	80/65	HI	628	369	11720	3.44	8940	2.62	1.47	0.09	8.89	26.57
		MED.	510	300	10141	2.97	7666	2.25	1.27	0.07	6.89	20.61
		LOW	391	230	8350	2.45	6181	1.81	1.05	0.06	4.89	14.59
	85/65	HI	628	369	11980	3.51	10639	3.12	1.50	0.09	9.25	27.64
		MED.	510	300	10229	3.00	8984	2.63	1.28	0.08	6.99	20.94
		LOW	391	230	8310	2.44	7138	2.09	1.04	0.06	4.86	14.49
	76/67	HI	628	369	14098	4.13	7702	2.26	1.77	0.10	12.34	36.90
		MED.	510	300	12197	3.57	6628	1.94	1.53	0.09	9.54	28.57
		LOW	391	230	10032	2.94	5403	1.58	1.26	0.08	6.77	20.20
	80/67	HI	628	369	14023	4.11	9236	2.71	1.76	0.10	12.22	36.56
		MED.	510	300	12144	3.56	7912	2.32	1.52	0.09	9.46	28.31
		LOW	391	230	9972	2.92	6420	1.88	1.25	0.07	6.71	20.01
	85/67	HI	628	369	13949	4.09	10732	3.15	1.75	0.10	12.11	36.19
		MED.	510	300	12073	3.54	9178	2.69	1.51	0.09	9.36	28.02
		LOW	391	230	9912	2.90	7397	2.17	1.24	0.07	6.64	19.79

PERFORMANCE DATA

LOW STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDL-04-W4	76/63	HI	728	428	11191	3.28	8735	2.56	1.40	0.09	1.82	5.43
		MED.	680	400	10611	3.11	8257	2.42	1.33	0.08	1.65	4.92
		LOW	566	333	9110	2.67	7029	2.06	1.14	0.07	1.20	3.59
	80/63	HI	728	428	12206	3.58	10880	3.19	1.53	0.10	2.12	6.32
		MED.	680	400	11441	3.35	10143	2.97	1.43	0.09	1.87	5.60
		LOW	566	333	9519	2.79	8380	2.46	1.19	0.07	1.30	3.88
	85/63	HI	728	428	14215	4.17	14099	4.13	1.78	0.11	2.77	8.26
		MED.	680	400	13287	3.89	13248	3.88	1.67	0.10	2.45	7.30
		LOW	566	333	11047	3.24	11164	3.27	1.38	0.08	1.69	5.05
	76/65	HI	728	428	13994	4.10	9217	2.70	1.75	0.11	2.69	8.02
		MED.	680	400	13264	3.89	8717	2.55	1.66	0.10	2.44	7.27
		LOW	566	333	11428	3.35	7498	2.20	1.43	0.09	1.79	5.35
	80/65	HI	728	428	13928	4.08	10596	3.11	1.74	0.11	2.67	7.95
		MED.	680	400	13195	3.87	10028	2.94	1.65	0.10	2.41	7.20
		LOW	566	333	11374	3.33	8545	2.50	1.42	0.09	1.77	5.30
	85/65	HI	728	428	14237	4.17	12610	3.70	1.78	0.11	2.77	8.27
		MED.	680	400	13310	3.90	11753	3.44	1.67	0.10	2.45	7.31
		LOW	566	333	11319	3.32	9868	2.89	1.42	0.09	1.76	5.26
	76/67	HI	728	428	16753	4.91	9129	2.68	2.10	0.13	3.70	11.04
		MED.	680	400	15870	4.65	8671	2.54	1.99	0.12	3.34	9.98
		LOW	566	333	13665	4.01	7470	2.19	1.71	0.11	2.46	7.34
	80/67	HI	728	428	16665	4.88	10946	3.21	2.08	0.13	3.66	10.94
		MED.	680	400	15801	4.63	10350	3.03	1.98	0.12	3.31	9.89
		LOW	566	333	13583	3.98	8876	2.60	1.70	0.10	2.43	7.27
	85/67	HI	728	428	16577	4.86	12719	3.73	2.07	0.13	3.63	10.83
		MED.	680	400	15709	4.60	12006	3.52	1.97	0.12	3.28	9.78
		LOW	566	333	13501	3.96	10227	3.00	1.69	0.10	2.41	7.19
FDL-05-W4	76/63	HI	1007	592	15559	4.56	12113	3.55	1.94	0.12	6.06	18.12
		MED.	850	500	13716	4.02	10611	3.11	1.71	0.11	4.85	14.49
		LOW	590	347	10338	3.03	7848	2.30	1.29	0.08	2.94	8.80
	80/63	HI	1007	592	16971	4.97	15088	4.42	2.12	0.13	7.05	21.08
		MED.	850	500	14789	4.33	13035	3.82	1.84	0.12	5.51	16.48
		LOW	590	347	10802	3.17	9356	2.74	1.35	0.08	3.18	9.52
	85/63	HI	1007	592	19763	5.79	19551	5.73	2.46	0.15	9.21	27.56
		MED.	850	500	17175	5.03	17025	4.99	2.14	0.14	7.19	21.51
		LOW	590	347	12536	3.67	12464	3.65	1.56	0.10	4.14	12.38
	76/65	HI	1007	592	19456	5.70	12781	3.75	2.43	0.15	8.96	26.77
		MED.	850	500	17145	5.03	11202	3.28	2.14	0.14	7.16	21.40
		LOW	590	347	12969	3.80	8371	2.45	1.62	0.10	4.39	13.12
	80/65	HI	1007	592	19364	5.68	14693	4.31	2.41	0.15	8.87	26.53
		MED.	850	500	17056	5.00	12887	3.78	2.13	0.14	7.09	21.20
		LOW	590	347	12907	3.78	9541	2.80	1.61	0.10	4.35	13.00
	85/65	HI	1007	592	19794	5.80	17486	5.12	2.47	0.15	9.23	27.59
		MED.	850	500	17205	5.04	15104	4.43	2.14	0.14	7.20	21.53
		LOW	590	347	12845	3.76	11018	3.23	1.60	0.10	4.31	12.90
	76/67	HI	1007	592	23292	6.83	12659	3.71	2.90	0.18	12.32	36.84
		MED.	850	500	20514	6.01	11143	3.27	2.56	0.16	9.83	29.38
		LOW	590	347	15507	4.55	8340	2.44	1.94	0.12	6.01	18.00
	80/67	HI	1007	592	23170	6.79	15179	4.45	2.89	0.18	12.20	36.50
		MED.	850	500	20425	5.99	13301	3.90	2.55	0.16	9.74	29.11
		LOW	590	347	15414	4.52	9910	2.90	1.92	0.12	5.96	17.82
	85/67	HI	1007	592	23047	6.75	17638	5.17	2.87	0.18	12.09	36.13
		MED.	850	500	20306	5.95	15429	4.52	2.53	0.16	9.64	28.81
		LOW	590	347	15321	4.49	11418	3.35	1.91	0.12	5.90	17.63

PERFORMANCE DATA

LOW STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDL-06-W4	76/63	HI	1172	689	18062	5.29	13626	3.99	2.26	0.14	7.35	21.98
		MED.	1020	600	16394	4.80	12242	3.59	2.05	0.13	6.20	18.52
		LOW	667	392	11887	3.48	8729	2.56	1.49	0.09	3.51	10.50
	80/63	HI	1172	689	19701	5.77	16973	4.97	2.47	0.15	8.55	25.58
		MED.	1020	600	17677	5.18	15038	4.41	2.21	0.14	7.04	21.06
		LOW	667	392	12421	3.64	10406	3.05	1.56	0.09	3.80	11.35
	85/63	HI	1172	689	22943	6.72	21993	6.45	2.87	0.18	11.18	33.43
		MED.	1020	600	20528	6.02	19642	5.76	2.57	0.16	9.19	27.49
		LOW	667	392	14414	4.22	13864	4.06	1.81	0.11	4.94	14.77
	76/65	HI	1172	689	22586	6.62	14377	4.21	2.83	0.18	10.86	32.48
		MED.	1020	600	20493	6.01	12924	3.79	2.56	0.16	9.15	27.35
		LOW	667	392	14912	4.37	9311	2.73	1.87	0.11	5.24	15.66
	80/65	HI	1172	689	22480	6.59	16529	4.84	2.81	0.17	10.76	32.18
		MED.	1020	600	20386	5.97	14868	4.36	2.55	0.16	9.06	27.09
		LOW	667	392	14841	4.35	10612	3.11	1.86	0.11	5.19	15.51
	85/65	HI	1172	689	22978	6.73	19671	5.77	2.88	0.18	11.20	33.47
		MED.	1020	600	20564	6.03	17425	5.11	2.57	0.16	9.20	27.52
		LOW	667	392	14770	4.33	12255	3.59	1.85	0.11	5.15	15.40
	76/67	HI	1172	689	27040	7.92	14241	4.17	3.38	0.21	14.94	44.68
		MED.	1020	600	24520	7.19	12856	3.77	3.07	0.19	12.56	37.55
		LOW	667	392	17831	5.23	9277	2.72	2.24	0.14	7.18	21.47
	80/67	HI	1172	689	26897	7.88	17075	5.00	3.37	0.21	14.80	44.27
		MED.	1020	600	24413	7.15	15345	4.50	3.05	0.19	12.45	37.21
		LOW	667	392	17724	5.19	11023	3.23	2.22	0.13	7.11	21.26
	85/67	HI	1172	689	26755	7.84	19841	5.82	3.35	0.21	14.66	43.83
		MED.	1020	600	24270	7.11	17800	5.22	3.03	0.19	12.32	36.83
		LOW	667	392	17617	5.16	12700	3.72	2.21	0.13	7.04	21.03
FDL-07-W4	76/63	HI	1313	772	21257	6.23	16412	4.81	2.66	0.17	8.54	25.52
		MED.	1190	700	19824	5.81	15218	4.46	2.48	0.16	7.56	22.61
		LOW	1010	594	17606	5.16	13375	3.92	2.20	0.14	6.16	18.40
	80/63	HI	1313	772	23186	6.80	20443	5.99	2.90	0.19	9.94	29.70
		MED.	1190	700	21375	6.26	18694	5.48	2.67	0.17	8.59	25.71
		LOW	1010	594	18397	5.39	15945	4.67	2.30	0.15	6.67	19.90
	85/63	HI	1313	772	27001	7.91	26490	7.76	3.38	0.22	12.99	38.82
		MED.	1190	700	24823	7.28	24417	7.16	3.11	0.20	11.21	33.57
		LOW	1010	594	21349	6.26	21243	6.23	2.67	0.17	8.67	25.89
	76/65	HI	1313	772	26582	7.79	17317	5.08	3.33	0.21	12.62	37.71
		MED.	1190	700	24780	7.26	16066	4.71	3.10	0.20	11.16	33.39
		LOW	1010	594	22087	6.47	14267	4.18	2.76	0.18	9.20	27.44
	80/65	HI	1313	772	26456	7.75	19908	5.83	3.31	0.21	12.51	37.36
		MED.	1190	700	24651	7.22	18482	5.42	3.08	0.20	11.05	33.07
		LOW	1010	594	21981	6.44	16260	4.77	2.75	0.17	9.11	27.18
	85/65	HI	1313	772	27043	7.93	23693	6.94	3.38	0.22	13.01	38.86
		MED.	1190	700	24866	7.29	21661	6.35	3.11	0.20	11.22	33.60
		LOW	1010	594	21876	6.41	18777	5.50	2.73	0.17	9.04	26.98
	76/67	HI	1313	772	31823	9.33	17152	5.03	3.98	0.25	17.36	51.88
		MED.	1190	700	29650	8.69	15981	4.68	3.71	0.24	15.32	45.85
		LOW	1010	594	26409	7.74	14214	4.17	3.30	0.21	12.60	37.63
	80/67	HI	1313	772	31655	9.28	20566	6.03	3.96	0.25	17.20	51.40
		MED.	1190	700	29521	8.65	19075	5.59	3.69	0.24	15.18	45.43
		LOW	1010	594	26251	7.69	16889	4.95	3.28	0.21	12.48	37.26
	85/67	HI	1313	772	31487	9.23	23898	7.00	3.94	0.25	17.03	50.89
		MED.	1190	700	29348	8.60	22128	6.49	3.67	0.24	15.02	44.96
		LOW	1010	594	26093	7.65	19459	5.70	3.26	0.21	12.36	36.85

PERFORMANCE DATA

LOW STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDL-08-W4	76/63	HI	1459	858	22895	6.71	17777	5.21	2.86	0.18	9.69	28.95
		MED.	1361	800	21837	6.40	16855	4.94	2.73	0.17	8.92	26.65
		LOW	1037	610	17947	5.26	13682	4.01	2.24	0.14	6.37	19.04
	80/63	HI	1459	858	24972	7.32	22143	6.49	3.12	0.20	11.28	33.69
		MED.	1361	800	23546	6.90	20705	6.07	2.94	0.18	10.13	30.31
		LOW	1037	610	18753	5.50	16311	4.78	2.34	0.15	6.90	20.59
	85/63	HI	1459	858	29082	8.52	28693	8.41	3.63	0.23	14.73	44.03
		MED.	1361	800	27344	8.01	27043	7.93	3.42	0.21	13.23	39.56
		LOW	1037	610	21762	6.38	21730	6.37	2.72	0.17	8.96	26.79
	76/65	HI	1459	858	28630	8.39	18757	5.50	3.58	0.23	14.32	42.78
		MED.	1361	800	27296	8.00	17794	5.22	3.41	0.21	13.17	39.36
		LOW	1037	610	22514	6.60	14594	4.28	2.81	0.18	9.51	28.40
	80/65	HI	1459	858	28495	8.35	21564	6.32	3.56	0.22	14.19	42.38
		MED.	1361	800	27154	7.96	20470	6.00	3.39	0.21	13.04	38.98
		LOW	1037	610	22407	6.57	16633	4.87	2.80	0.17	9.42	28.12
	85/65	HI	1459	858	29127	8.54	25663	7.52	3.64	0.23	14.76	44.09
		MED.	1361	800	27391	8.03	23991	7.03	3.42	0.21	13.24	39.61
		LOW	1037	610	22299	6.54	19208	5.63	2.78	0.17	9.35	27.92
	76/67	HI	1459	858	34275	10.05	18579	5.45	4.28	0.27	19.70	58.85
		MED.	1361	800	32661	9.57	17700	5.19	4.08	0.25	18.07	54.04
		LOW	1037	610	26921	7.89	14540	4.26	3.36	0.21	13.03	38.94
	80/67	HI	1459	858	34094	9.99	22277	6.53	4.26	0.27	19.51	58.31
		MED.	1361	800	32518	9.53	21127	6.19	4.07	0.25	17.91	53.55
		LOW	1037	610	26759	7.84	17277	5.06	3.34	0.21	12.90	38.55
	85/67	HI	1459	858	33914	9.94	25886	7.59	4.24	0.27	19.33	57.73
		MED.	1361	800	32328	9.47	24508	7.18	4.04	0.25	17.72	53.00
		LOW	1037	610	26598	7.80	19906	5.83	3.32	0.21	12.78	38.13
FDL-09-W4	76/63	HI	1597	939	24362	7.14	19005	5.57	3.05	0.19	10.66	31.87
		MED.	1531	900	23645	6.93	18425	5.40	2.96	0.19	10.14	30.31
		LOW	1190	700	19824	5.81	15218	4.46	2.48	0.16	7.48	22.37
	80/63	HI	1597	939	26572	7.79	23673	6.94	3.33	0.21	12.41	37.08
		MED.	1531	900	25495	7.47	22633	6.63	3.19	0.20	11.52	34.47
		LOW	1190	700	20714	6.07	18142	5.32	2.59	0.17	8.10	24.19
	85/63	HI	1597	939	30945	9.07	30675	8.99	3.87	0.24	16.21	48.48
		MED.	1531	900	29608	8.68	29562	8.66	3.71	0.24	15.04	45.00
		LOW	1190	700	24038	7.05	24170	7.08	3.01	0.19	10.52	31.48
	76/65	HI	1597	939	30465	8.93	20053	5.88	3.81	0.24	15.76	47.09
		MED.	1531	900	29556	8.66	19451	5.70	3.70	0.24	14.97	44.77
		LOW	1190	700	24869	7.29	16233	4.76	3.11	0.20	11.17	33.36
	80/65	HI	1597	939	30320	8.89	23054	6.76	3.80	0.24	15.61	46.65
		MED.	1531	900	29402	8.62	22377	6.56	3.68	0.24	14.82	44.34
		LOW	1190	700	24750	7.25	18500	5.42	3.10	0.20	11.06	33.04
	85/65	HI	1597	939	30993	9.08	27436	8.04	3.88	0.24	16.24	48.53
		MED.	1531	900	29659	8.69	26226	7.69	3.71	0.24	15.05	45.05
		LOW	1190	700	24632	7.22	21365	6.26	3.08	0.20	10.97	32.81
	76/67	HI	1597	939	36471	10.69	19862	5.82	4.57	0.28	21.67	64.79
		MED.	1531	900	35365	10.36	19349	5.67	4.43	0.28	20.54	61.46
		LOW	1190	700	29736	8.72	16173	4.74	3.72	0.24	15.30	45.75
	80/67	HI	1597	939	36279	10.63	23816	6.98	4.54	0.28	21.47	64.19
		MED.	1531	900	35210	10.32	23095	6.77	4.41	0.28	20.36	60.90
		LOW	1190	700	29558	8.66	19216	5.63	3.70	0.24	15.15	45.30
	85/67	HI	1597	939	36087	10.58	27674	8.11	4.52	0.28	21.26	63.55
		MED.	1531	900	35005	10.26	26791	7.85	4.38	0.28	20.15	60.27
		LOW	1190	700	29380	8.61	22141	6.49	3.68	0.24	15.00	44.80

PERFORMANCE DATA

LOW STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDL-10-W4	76/63	HI	1764	1037	28183	8.26	21803	6.39	3.52	0.22	7.87	23.52
		MED.	1701	1000	27432	8.04	21189	6.21	3.43	0.22	7.54	22.54
		LOW	1218	716	21564	6.32	16343	4.79	2.70	0.17	4.94	14.77
	80/63	HI	1764	1037	30740	9.01	27158	7.96	3.84	0.24	9.16	27.37
		MED.	1701	1000	29579	8.67	26029	7.63	3.70	0.24	8.57	25.63
		LOW	1218	716	22532	6.60	19483	5.71	2.82	0.18	5.35	15.97
	85/63	HI	1764	1037	35799	10.49	35191	10.31	4.47	0.28	11.97	35.77
		MED.	1701	1000	34350	10.07	33997	9.96	4.29	0.28	11.18	33.46
		LOW	1218	716	26148	7.66	25957	7.61	3.27	0.21	6.95	20.78
	76/65	HI	1764	1037	35243	10.33	23005	6.74	4.40	0.28	11.63	34.75
		MED.	1701	1000	34290	10.05	22369	6.56	4.29	0.28	11.13	33.29
		LOW	1218	716	27052	7.93	17433	5.11	3.39	0.21	7.37	22.03
	80/65	HI	1764	1037	35076	10.28	26448	7.75	4.38	0.27	11.53	34.43
		MED.	1701	1000	34111	10.00	25734	7.54	4.27	0.27	11.02	32.97
		LOW	1218	716	26923	7.89	19868	5.82	3.37	0.21	7.30	21.82
	85/65	HI	1764	1037	35854	10.51	31475	9.22	4.48	0.28	11.99	35.82
		MED.	1701	1000	34409	10.08	30160	8.84	4.30	0.28	11.19	33.50
		LOW	1218	716	26794	7.85	22944	6.72	3.35	0.21	7.25	21.66
	76/67	HI	1764	1037	42191	12.37	22787	6.68	5.27	0.33	16.00	47.81
		MED.	1701	1000	41029	12.03	22251	6.52	5.13	0.33	15.28	45.70
		LOW	1218	716	32346	9.48	17368	5.09	4.05	0.26	10.11	30.20
	80/67	HI	1764	1037	41969	12.30	27322	8.01	5.24	0.33	15.85	47.37
		MED.	1701	1000	40850	11.97	26560	7.78	5.11	0.33	15.14	45.29
		LOW	1218	716	32152	9.42	20637	6.05	4.03	0.25	10.01	29.91
	85/67	HI	1764	1037	41746	12.24	31748	9.30	5.21	0.33	15.70	46.90
		MED.	1701	1000	40611	11.90	30810	9.03	5.08	0.33	14.98	44.82
		LOW	1218	716	31959	9.37	23777	6.97	4.00	0.25	9.91	29.58

PERFORMANCE DATA

HIGH STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDH-12-W4	76/63	HI	1786	1050	28217	8.27	21871	6.41	3.53	0.22	4.39	13.13
		MED.	1701	1000	27194	7.97	21052	6.17	3.40	0.21	4.11	12.28
		LOW	1556	915	25419	7.45	19585	5.74	3.18	0.20	3.63	10.85
	80/63	HI	1786	1050	30777	9.02	27243	7.98	3.85	0.24	5.11	15.28
		MED.	1701	1000	29322	8.59	25861	7.58	3.67	0.23	4.67	13.97
		LOW	1556	915	26561	7.78	23348	6.84	3.32	0.21	3.93	11.73
	85/63	HI	1786	1050	35842	10.50	35301	10.35	4.48	0.28	6.67	19.97
		MED.	1701	1000	34052	9.98	33777	9.90	4.26	0.26	6.10	18.23
		LOW	1556	915	30822	9.03	31106	9.12	3.86	0.24	5.11	15.27
	76/65	HI	1786	1050	35285	10.34	23077	6.76	4.41	0.28	6.49	19.40
		MED.	1701	1000	33993	9.96	22225	6.51	4.25	0.26	6.07	18.14
		LOW	1556	915	31888	9.35	20891	6.12	3.99	0.25	5.42	16.18
	80/65	HI	1786	1050	35118	10.29	26530	7.78	4.39	0.27	6.43	19.22
		MED.	1701	1000	33815	9.91	25567	7.49	4.23	0.26	6.01	17.96
		LOW	1556	915	31736	9.30	23809	6.98	3.97	0.25	5.37	16.03
	85/65	HI	1786	1050	35897	10.52	31573	9.25	4.49	0.28	6.69	20.00
		MED.	1701	1000	34111	10.00	29965	8.78	4.26	0.26	6.10	18.25
		LOW	1556	915	31583	9.26	27496	8.06	3.95	0.25	5.33	15.91
	76/67	HI	1786	1050	42242	12.38	22858	6.70	5.28	0.33	8.92	26.69
		MED.	1701	1000	40673	11.92	22108	6.48	5.09	0.31	8.33	24.90
		LOW	1556	915	38129	11.18	20814	6.10	4.77	0.30	7.43	22.19
	80/67	HI	1786	1050	42019	12.32	27407	8.03	5.26	0.33	8.84	26.45
		MED.	1701	1000	40495	11.87	26388	7.73	5.06	0.31	8.25	24.67
		LOW	1556	915	37900	11.11	24731	7.25	4.74	0.30	7.35	21.97
	85/67	HI	1786	1050	41797	12.25	31847	9.33	5.23	0.33	8.76	26.18
		MED.	1701	1000	40259	11.80	30610	8.97	5.03	0.31	8.17	24.42
		LOW	1556	915	37672	11.04	28494	8.35	4.71	0.30	7.28	21.73
FDH-14-W4	76/63	HI	2388	1404	41217	12.08	31390	9.20	5.15	0.32	10.17	30.41
		MED.	2041	1200	36781	10.78	27774	8.14	4.60	0.29	8.48	25.34
		LOW	1371	806	27125	7.95	20097	5.89	3.39	0.21	5.14	15.37
	80/63	HI	2388	1404	44957	13.18	39100	11.46	5.62	0.35	11.84	35.39
		MED.	2041	1200	39660	11.62	34118	10.00	4.96	0.31	9.63	28.82
		LOW	1371	806	28343	8.31	23959	7.02	3.54	0.22	5.57	16.62
	85/63	HI	2388	1404	52355	15.34	50665	14.85	6.54	0.41	15.46	46.25
		MED.	2041	1200	46056	13.50	44562	13.06	5.76	0.36	12.58	37.62
		LOW	1371	806	32891	9.64	31919	9.35	4.11	0.25	7.23	21.63
	76/65	HI	2388	1404	51542	15.11	33121	9.71	6.44	0.40	15.03	44.93
		MED.	2041	1200	45976	13.48	29321	8.59	5.75	0.36	12.52	37.43
		LOW	1371	806	34028	9.97	21437	6.28	4.25	0.26	7.67	22.92
	80/65	HI	2388	1404	51298	15.03	38077	11.16	6.41	0.40	14.89	44.52
		MED.	2041	1200	45736	13.40	33731	9.89	5.72	0.36	12.40	37.07
		LOW	1371	806	33866	9.93	24432	7.16	4.23	0.26	7.60	22.70
	85/65	HI	2388	1404	52436	15.37	45315	13.28	6.55	0.41	15.49	46.31
		MED.	2041	1200	46136	13.52	39533	11.59	5.77	0.36	12.59	37.66
		LOW	1371	806	33703	9.88	28215	8.27	4.21	0.26	7.54	22.54
	76/67	HI	2388	1404	61704	18.08	32806	9.62	7.71	0.48	20.67	61.82
		MED.	2041	1200	55012	16.12	29167	8.55	6.88	0.43	17.18	51.38
		LOW	1371	806	40688	11.93	21358	6.26	5.09	0.32	10.52	31.43
	80/67	HI	2388	1404	61378	17.99	39336	11.53	7.67	0.48	20.48	61.25
		MED.	2041	1200	54772	16.05	34814	10.20	6.85	0.43	17.03	50.91
		LOW	1371	806	40444	11.85	25377	7.44	5.05	0.31	10.41	31.12
	85/67	HI	2388	1404	61053	17.89	45708	13.40	7.63	0.47	20.28	60.64
		MED.	2041	1200	54452	15.96	40384	11.84	6.81	0.43	16.85	50.39
		LOW	1371	806	40200	11.78	29239	8.57	5.02	0.31	10.31	30.78

PERFORMANCE DATA

HIGH STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDH-16-W4	76/63	HI	2653	1560	45345	13.29	34598	10.14	5.67	0.36	8.25	24.65
		MED.	2381	1400	41933	12.29	31800	9.32	5.24	0.33	7.26	21.70
		LOW	1745	1026	33165	9.72	24771	7.26	4.15	0.26	4.95	14.79
	80/63	HI	2653	1560	49459	14.50	43096	12.63	6.18	0.39	9.60	28.68
		MED.	2381	1400	45215	13.25	39064	11.45	5.65	0.36	8.25	24.68
		LOW	1745	1026	34654	10.16	29531	8.66	4.34	0.27	5.36	15.99
	85/63	HI	2653	1560	57598	16.88	55842	16.37	7.20	0.46	12.54	37.49
		MED.	2381	1400	52507	15.39	51022	14.95	6.56	0.41	10.77	32.21
		LOW	1745	1026	40215	11.79	39342	11.53	5.03	0.32	6.96	20.81
	76/65	HI	2653	1560	56704	16.62	36506	10.70	7.09	0.45	12.19	36.42
		MED.	2381	1400	52416	15.36	33572	9.84	6.55	0.41	10.72	32.05
		LOW	1745	1026	41605	12.19	26422	7.74	5.21	0.33	7.39	22.06
	80/65	HI	2653	1560	56435	16.54	41969	12.30	7.06	0.45	12.08	36.08
		MED.	2381	1400	52143	15.28	38621	11.32	6.52	0.41	10.61	31.74
		LOW	1745	1026	41407	12.14	30114	8.83	5.18	0.32	7.32	21.85
	85/65	HI	2653	1560	57687	16.91	49946	14.64	7.21	0.46	12.57	37.54
		MED.	2381	1400	52599	15.42	45264	13.27	6.57	0.41	10.78	32.25
		LOW	1745	1026	41208	12.08	34777	10.19	5.16	0.32	7.26	21.69
	76/67	HI	2653	1560	67883	19.90	36159	10.60	8.49	0.54	16.77	50.11
		MED.	2381	1400	62717	18.38	33394	9.79	7.84	0.49	14.71	44.00
		LOW	1745	1026	49748	14.58	26325	7.72	6.23	0.39	10.13	30.25
	80/67	HI	2653	1560	67526	19.79	43356	12.71	8.44	0.54	16.61	49.65
		MED.	2381	1400	62444	18.30	39861	11.68	7.80	0.49	14.58	43.60
		LOW	1745	1026	49450	14.49	31279	9.17	6.19	0.39	10.03	29.95
	85/67	HI	2653	1560	67168	19.69	50380	14.77	8.40	0.53	16.45	49.15
		MED.	2381	1400	62079	18.19	46238	13.55	7.76	0.49	14.43	43.15
		LOW	1745	1026	49152	14.41	36039	10.56	6.15	0.39	9.93	29.62
FDH-18-W4	76/63	HI	2806	1650	47222	13.84	36133	10.59	5.90	0.37	8.78	26.25
		MED.	2721	1600	46198	13.54	35280	10.34	5.77	0.36	8.49	25.38
		LOW	2213	1301	39716	11.64	29991	8.79	4.96	0.31	6.66	19.90
	80/63	HI	2806	1650	51506	15.10	45008	13.19	6.44	0.40	10.22	30.55
		MED.	2721	1600	49813	14.60	43338	12.70	6.22	0.39	9.65	28.86
		LOW	2213	1301	41500	12.16	35754	10.48	5.18	0.32	7.21	21.52
	85/63	HI	2806	1650	59982	17.58	58320	17.09	7.49	0.47	13.35	39.93
		MED.	2721	1600	57848	16.95	56605	16.59	7.23	0.45	12.59	37.68
		LOW	2213	1301	48159	14.11	47633	13.96	6.01	0.38	9.37	28.00
	76/65	HI	2806	1650	59051	17.31	38125	11.17	7.38	0.46	12.98	38.79
		MED.	2721	1600	57748	16.93	37245	10.92	7.21	0.45	12.54	37.48
		LOW	2213	1301	49823	14.60	31990	9.38	6.22	0.39	9.94	29.68
	80/65	HI	2806	1650	58771	17.22	43831	12.85	7.34	0.46	12.86	38.43
		MED.	2721	1600	57446	16.84	42847	12.56	7.17	0.45	12.41	37.13
		LOW	2213	1301	49586	14.53	36460	10.69	6.19	0.39	9.85	29.39
	85/65	HI	2806	1650	60075	17.61	52162	15.29	7.51	0.47	13.37	39.97
		MED.	2721	1600	57948	16.98	50217	14.72	7.24	0.45	12.60	37.72
		LOW	2213	1301	49348	14.46	42105	12.34	6.16	0.39	9.77	29.18
	76/67	HI	2806	1650	70693	20.72	37763	11.07	8.83	0.55	17.85	53.36
		MED.	2721	1600	69096	20.25	37049	10.86	8.63	0.54	17.20	51.46
		LOW	2213	1301	59574	17.46	31873	9.34	7.44	0.47	13.63	40.70
	80/67	HI	2806	1650	70321	20.61	45279	13.27	8.79	0.55	17.68	52.87
		MED.	2721	1600	68795	20.16	44223	12.96	8.59	0.54	17.05	50.99
		LOW	2213	1301	59217	17.36	37871	11.10	7.40	0.46	13.49	40.30
	85/67	HI	2806	1650	69948	20.50	52615	15.42	8.74	0.55	17.51	52.34
		MED.	2721	1600	68393	20.05	51298	15.03	8.54	0.53	16.87	50.47
		LOW	2213	1301	58861	17.25	43634	12.79	7.35	0.46	13.36	39.86

PERFORMANCE DATA

HIGH STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDH-20-W4	76/63	HI	3163	1860	51794	15.18	39886	11.69	6.47	0.41	7.58	22.67
		MED.	3061	1800	50634	14.84	38897	11.40	6.33	0.40	7.26	21.71
		LOW	2651	1559	45618	13.37	34768	10.19	5.70	0.36	6.10	18.22
	80/63	HI	3163	1860	56493	16.56	49683	14.56	7.06	0.45	8.82	26.38
		MED.	3061	1800	54597	16.00	47782	14.00	6.83	0.43	8.25	24.69
		LOW	2651	1559	47667	13.97	41449	12.15	5.96	0.38	6.61	19.70
	85/63	HI	3163	1860	65790	19.28	64377	18.87	8.22	0.52	11.53	34.48
		MED.	3061	1800	63403	18.58	62409	18.29	7.93	0.50	10.77	32.23
		LOW	2651	1559	55315	16.21	55220	16.18	6.91	0.44	8.58	25.64
	76/65	HI	3163	1860	64768	18.98	42085	12.33	8.09	0.51	11.20	33.50
		MED.	3061	1800	63293	18.55	41064	12.04	7.91	0.50	10.72	32.06
		LOW	2651	1559	57227	16.77	37086	10.87	7.15	0.45	9.11	27.17
	80/65	HI	3163	1860	64462	18.89	48383	14.18	8.05	0.51	11.10	33.19
		MED.	3061	1800	62962	18.45	47240	13.85	7.87	0.50	10.61	31.76
		LOW	2651	1559	56954	16.69	42267	12.39	7.12	0.45	9.02	26.91
	85/65	HI	3163	1860	65892	19.31	57580	16.88	8.23	0.52	11.55	34.52
		MED.	3061	1800	63513	18.61	55366	16.23	7.94	0.50	10.78	32.26
		LOW	2651	1559	56681	16.61	48812	14.31	7.08	0.45	8.95	26.72
	76/67	HI	3163	1860	77538	22.73	41685	12.22	9.69	0.61	15.41	46.09
		MED.	3061	1800	75731	22.20	40847	11.97	9.47	0.60	14.71	44.02
		LOW	2651	1559	68427	20.06	36950	10.83	8.55	0.54	12.48	37.26
	80/67	HI	3163	1860	77129	22.61	49982	14.65	9.63	0.61	15.26	45.66
		MED.	3061	1800	75401	22.10	48757	14.29	9.43	0.60	14.58	43.62
		LOW	2651	1559	68017	19.93	43903	12.87	8.50	0.54	12.36	36.89
	85/67	HI	3163	1860	76721	22.49	58080	17.02	9.58	0.61	15.12	45.21
		MED.	3061	1800	74960	21.97	56558	16.58	9.37	0.59	14.43	43.17
		LOW	2651	1559	67608	19.81	50584	14.83	8.45	0.53	12.23	36.49
FDH-24-W4	76/63	HI	3928	2310	69402	20.34	53339	15.63	8.68	0.55	7.83	23.39
		MED.	3486	2050	63744	18.68	48629	14.25	7.97	0.50	6.61	19.76
		LOW	2493	1466	49615	14.54	37202	10.90	6.20	0.39	4.25	12.70
	80/63	HI	3928	2310	75699	22.19	66440	19.47	9.47	0.60	9.11	27.22
		MED.	3486	2050	68733	20.14	59736	17.51	8.59	0.54	7.51	22.47
		LOW	2493	1466	51843	15.19	44351	13.00	6.48	0.41	4.60	13.73
	85/63	HI	3928	2310	88156	25.84	86091	25.23	11.03	0.70	11.91	35.58
		MED.	3486	2050	79819	23.39	78023	22.87	9.98	0.63	9.80	29.33
		LOW	2493	1466	60162	17.63	59086	17.32	7.52	0.47	5.98	17.87
	76/65	HI	3928	2310	86787	25.44	56280	16.49	10.85	0.69	11.57	34.56
		MED.	3486	2050	79680	23.35	51338	15.05	9.96	0.63	9.76	29.18
		LOW	2493	1466	62242	18.24	39682	11.63	7.78	0.49	6.34	18.94
	80/65	HI	3928	2310	86376	25.32	64702	18.96	10.80	0.68	11.47	34.24
		MED.	3486	2050	79264	23.23	59059	17.31	9.91	0.62	9.66	28.91
		LOW	2493	1466	61944	18.15	45226	13.25	7.74	0.49	6.28	18.76
	85/65	HI	3928	2310	88292	25.88	77001	22.57	11.04	0.70	11.93	35.62
		MED.	3486	2050	79957	23.43	69218	20.29	10.00	0.63	9.81	29.37
		LOW	2493	1466	61647	18.07	52229	15.31	7.70	0.48	6.23	18.62
	76/67	HI	3928	2310	103898	30.45	55745	16.34	12.99	0.82	15.92	47.55
		MED.	3486	2050	95339	27.94	51067	14.97	11.92	0.75	13.39	40.07
		LOW	2493	1466	74423	21.81	39536	11.59	9.30	0.59	8.69	25.97
	80/67	HI	3928	2310	103350	30.29	66841	19.59	12.93	0.82	15.77	47.11
		MED.	3486	2050	94923	27.82	60956	17.87	11.87	0.74	13.27	39.70
		LOW	2493	1466	73977	21.68	46977	13.77	9.24	0.58	8.61	25.72
	85/67	HI	3928	2310	102803	30.13	77669	22.76	12.86	0.81	15.62	46.64
		MED.	3486	2050	94369	27.66	70708	20.72	11.80	0.74	13.13	39.29
		LOW	2493	1466	73531	21.55	54125	15.86	9.19	0.58	8.52	25.44

PERFORMANCE DATA

HIGH STATIC DISTRICT COOLING (AT 16°F / 8.9°C)

Unit Model	Cooling Coil Air Inlet				Entering Water Temperature (°F)							
					42							
	DB/WB	SPEED	Air Flow Rate		TMBH		SMBH	SCKW	Water Flow rate		Water Pressure drop	
			m3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
FDH-30-W4	76/63	HI	5230	3075	88303	25.88	67558	19.80	11.04	0.70	17.00	50.83
		MED.	5102	3000	86801	25.44	66295	19.43	10.85	0.68	16.51	49.35
		LOW	3634	2137	67899	19.90	50873	14.91	8.49	0.54	10.62	31.75
	80/63	HI	5230	3075	96315	28.23	84151	24.66	12.04	0.76	19.79	59.14
		MED.	5102	3000	93594	27.43	81438	23.87	11.70	0.73	18.76	56.13
		LOW	3634	2137	70948	20.79	60649	17.78	8.87	0.56	11.50	34.33
	85/63	HI	5230	3075	112164	32.87	109041	31.96	14.02	0.89	25.85	77.31
		MED.	5102	3000	108690	31.86	106367	31.17	13.59	0.85	24.48	73.27
		LOW	3634	2137	82333	24.13	80798	23.68	10.29	0.65	14.94	44.67
	76/65	HI	5230	3075	110422	32.36	71283	20.89	13.81	0.88	25.13	75.10
		MED.	5102	3000	108501	31.80	69988	20.51	13.56	0.85	24.38	72.89
		LOW	3634	2137	85179	24.96	54265	15.90	10.65	0.68	15.85	47.35
	80/65	HI	5230	3075	109900	32.21	81950	24.02	13.74	0.87	24.90	74.40
		MED.	5102	3000	107935	31.63	80514	23.60	13.49	0.85	24.14	72.19
		LOW	3634	2137	84772	24.85	61846	18.13	10.60	0.67	15.70	46.89
	85/65	HI	5230	3075	112338	32.92	97527	28.58	14.04	0.89	25.89	77.40
		MED.	5102	3000	108879	31.91	94364	27.66	13.61	0.85	24.51	73.35
		LOW	3634	2137	84366	24.73	71422	20.93	10.55	0.67	15.58	46.56
	76/67	HI	5230	3075	132193	38.74	70606	20.69	16.53	1.05	34.56	103.32
		MED.	5102	3000	129824	38.05	69619	20.40	16.23	1.02	33.45	100.07
		LOW	3634	2137	101849	29.85	54065	15.85	12.74	0.81	21.73	64.93
	80/67	HI	5230	3075	131497	38.54	84659	24.81	16.44	1.04	34.23	102.37
		MED.	5102	3000	129258	37.88	83100	24.36	16.16	1.01	33.15	99.16
		LOW	3634	2137	101239	29.67	64240	18.83	12.66	0.81	21.51	64.29
	85/67	HI	5230	3075	130800	38.34	98374	28.83	16.35	1.04	33.91	101.35
		MED.	5102	3000	128503	37.66	96396	28.25	16.06	1.01	32.81	98.14
		LOW	3634	2137	100629	29.49	74015	21.69	12.58	0.80	21.30	63.59

AIR FLOW & ELECTRICAL DATA

Unit Model	Speed	ESP (Pa)	Air Flow (Cfm)	Current (Amps)	Power (W)
FCL/FDL-02	Low	25	243	0.31	64
		50	216	0.29	60
		75	198	0.27	56
	Medium	25	291	0.31	71
		50	250	0.29	68
		75	217	0.28	65
	High	25	302	0.36	84
		50	261	0.35	83
		75	221	0.34	80
FCL/FDL-03	Low	25	243	0.38	82
		50	230	0.35	74
		75	216	0.33	67
	Medium	25	344	0.40	91
		50	300	0.37	85
		75	269	0.34	78
	High	25	446	0.44	104
		50	369	0.43	100
		75	324	0.41	95
FCL/FDL-04	Low	25	378	0.59	115
		50	333	0.56	106
		75	302	0.54	98
	Medium	25	450	0.60	139
		50	400	0.57	131
		75	351	0.55	128
	High	25	500	0.80	175
		50	428	0.79	173
		75	378	0.78	168
FCL/FDL-05	Low	25	439	0.58	123
		50	347	0.55	113
		75	275	0.52	104
	Medium	25	595	0.67	154
		50	500	0.64	145
		75	414	0.61	140
	High	25	689	0.87	197
		50	592	0.85	190
		75	483	0.82	181
FCL/FDL-06	Low	25	459	0.65	141
		50	392	0.61	129
		75	315	0.57	118
	Medium	25	675	0.75	174
		50	600	0.72	166
		75	512	0.67	156
	High	25	746	0.92	210
		50	689	0.89	204
		75	590	0.87	197

AIR FLOW & ELECTRICAL DATA

Unit Model	Speed	ESP (Pa)	Air Flow (Cfm)	Current (Amps)	Power (W)
FCL/FDL-07	Low	25	693	0.85	195
		50	594	0.75	170
		75	527	0.70	158
	Medium	25	787	0.89	206
		50	700	0.84	192
		75	585	0.76	176
	High	25	864	0.95	221
		50	772	0.90	210
		75	628	0.82	191
FCL/FDL-08	Low	25	666	0.88	203
		50	610	0.83	188
		75	565	0.78	176
	Medium	25	864	1.02	240
		50	800	0.96	224
		75	731	0.89	208
	High	25	927	1.08	254
		50	858	1.02	241
		75	776	0.96	225
FCL/FDL-09	Low	25	754	0.95	220
		50	700	0.89	203
		75	639	0.83	188
	Medium	25	949	1.08	253
		50	900	1.02	239
		75	819	0.96	224
	High	25	955	1.19	282
		50	939	1.14	269
		75	828	1.08	256
FCL/FDL-10	Low	25	786	1.00	234
		50	716	0.96	223
		75	639	0.91	210
	Medium	25	1068	1.15	272
		50	1000	1.10	260
		75	909	1.04	245
	High	25	1111	1.25	293
		50	1037	1.20	279
		75	949	1.15	269

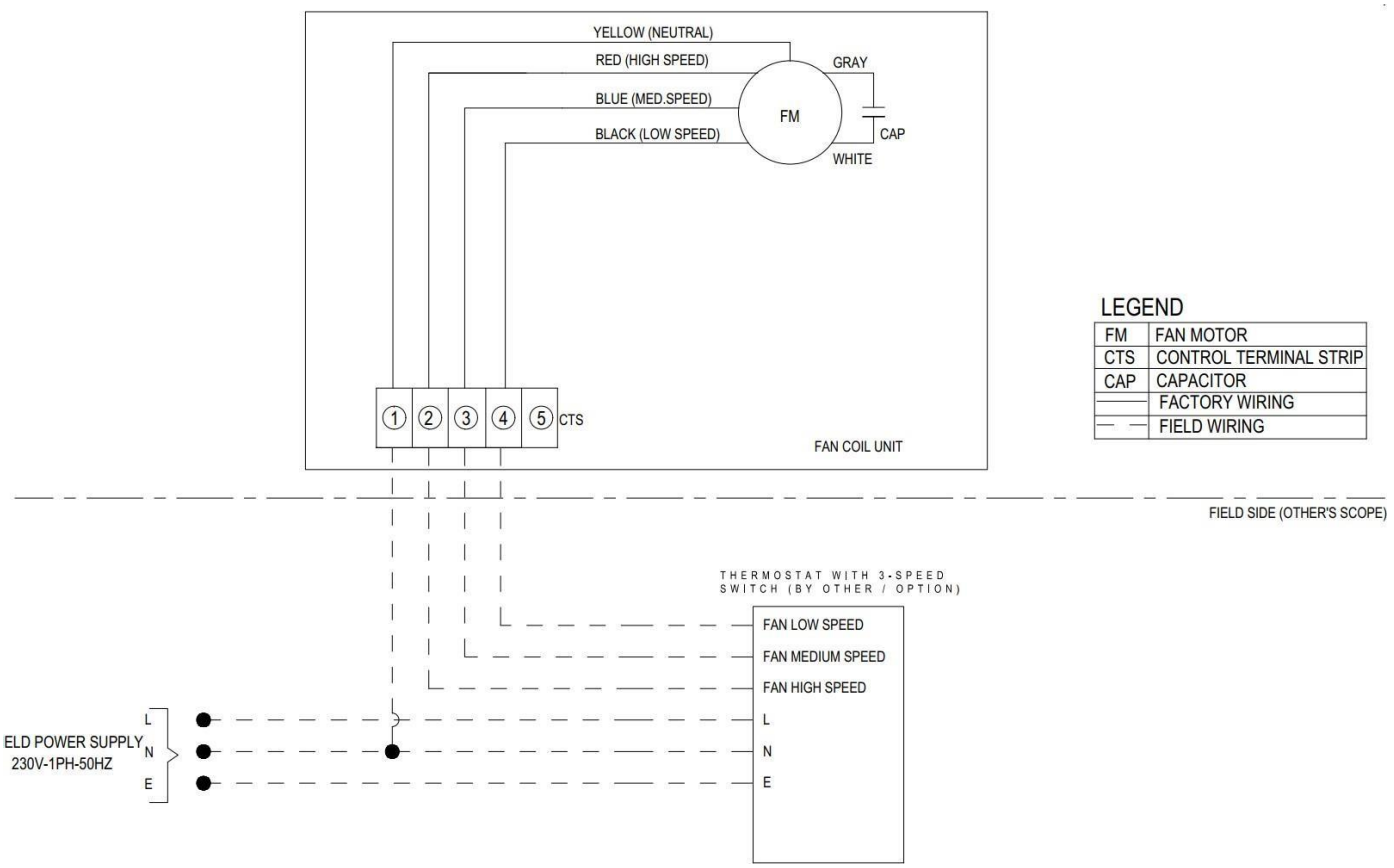
AIR FLOW & ELECTRICAL DATA

Unit Model	Speed	ESP (Pa)	Air Flow (Cfm)	Current (Amps)	Power (W)
FCH/FDH-12	Low	35	942	1.17	272
		50	915	1.11	258
		75	869	1.06	244
		100	827	1.00	231
	Medium	35	1011	1.50	340
		50	1000	1.46	330
		75	956	1.41	316
		100	896	1.36	306
	High	35	1025	1.77	381
		50	1045	1.73	369
		75	965	1.70	360
		100	919	1.65	347
FCH/FDH-14	Low	35	841	1.19	265
		50	806	1.08	248
		75	735	1.02	231
		100	677	0.93	212
	Medium	35	1204	1.70	395
		50	1200	1.60	374
		75	1176	1.51	352
		100	1043	1.35	316
	High	35	1408	2.02	471
		50	1404	1.98	463
		75	1382	1.90	445
		100	1311	1.81	421
FCH/FDH-16	Low	35	1020	1.37	299
		50	1026	1.27	285
		75	944	1.16	262
		100	857	1.06	245
	Medium	35	1414	1.86	431
		50	1400	1.78	412
		75	1373	1.68	389
		100	1277	1.57	360
	High	35	1581	2.17	505
		50	1560	2.12	493
		75	1532	2.03	473
		100	1459	1.94	447
FCH/FDH-18	Low	35	1316	1.70	375
		50	1302	1.63	358
		75	1250	1.51	336
		100	1089	1.32	294
	Medium	35	1614	2.12	488
		50	1600	2.09	472
		75	1567	1.98	451
		100	1482	1.87	425
	High	35	1657	2.35	531
		50	1647	2.31	519
		75	1619	2.21	494
		100	1534	2.11	469

AIR FLOW & ELECTRICAL DATA

Unit Model	Speed	ESP (Pa)	Air Flow (Cfm)	Current (Amps)	Power (W)
FCH/FDH-20	Low	35	1565	2.02	440
		50	1559	1.91	421
		75	1515	1.79	396
		100	1442	1.66	374
	Medium	35	1814	2.32	529
		50	1800	2.26	516
		75	1771	2.18	496
		100	1710	2.07	476
	High	35	1880	2.77	613
		50	1863	2.72	603
		75	1834	2.65	586
		100	1766	2.57	558
FCH/FDH-24	Low	35	1474	2.61	544
		50	1466	2.45	518
		75	1395	2.21	479
		100	1302	2.08	453
	Medium	35	2142	3.3	749
		50	2050	3.17	726
		75	2030	3.09	694
		100	1968	2.93	665
	High	35	2354	3.37	763
		50	2310	3.3	746
		75	2219	3.2	722
		100	2143	3.03	687
FCH/FDH-30	Low	35	2287	3.41	704
		50	2137	3.29	685
		75	1816	3.05	658
		100	1545	2.88	624
	Medium	35	3110	4.16	956
		50	3000	4.11	942
		75	2484	3.89	889
		100	2215	3.66	843
	High	35	3188	4.79	1033
		50	3075	4.67	1026
		75	2678	4.65	1022
		100	2497	4.51	980

ELECTRICAL WIRING DIAGRAM

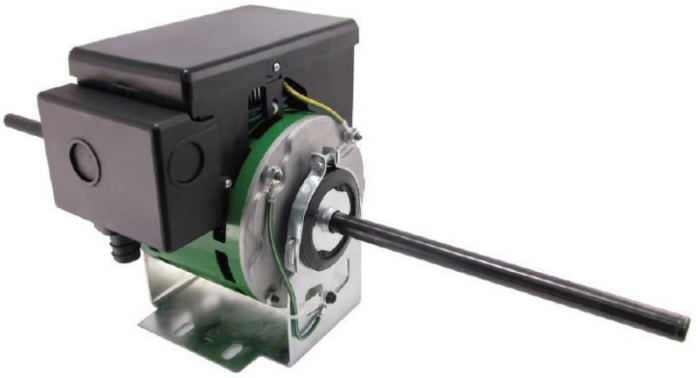


EC MOTORS (OPTIONAL FEATURE)

EC motor provides high efficiency and precise airflow control in a 42 frame package. These motor are coming along with inbuilt controller and BMS connectivity. Our EC motorsare flexible mechanical designs integrates into single or dual blowers as well as fan applications.

Key Features and Benefits:

- Available in single and dual shaft configurations.
- Tri-voltage (115 through 277V) means one model for multiple applications.
- Multiple input options compatible with a wide variety of control systems.
- Fully programmable to the specific application.
- Integrated motor and control.



Specification:

- Horse Power : 1/4 ~ 1/8 HP
- Voltage : 115 / 230 / 277 V (tri-voltage)
- Speeds : 300-1800 RPM, OR 300-1200 RPM
- Inputs : 0-10V, PWM or 3 - 24V Speed Taps
- Operation Modes : Constant Torque, Constant Speed
- Frame : NEMA®† 42
- Enclosure : Open Air Over (OAO)
- Efficiency : Up to 80%
- Mounting : Resilient, Stud or Belly Band

QUALITY ASSURANCE

Aldes fan coil units are tested in accordance with Eurovent standard.
Standard insulations are with DCL (Dubai Central Laboratory) conformity mark and complying with BS476 part 6&7 and fire performance tested as per ASTM E84 standards.Standard fan coil unit is completely insulated in fan section as well as coil section.
Unit cabinet shall be with G90 galvanized steel sheet (0.275 kg of zinc per sq. meter)complying withJIS-G3302 and ASTM A653
Each coil is factory tested for leakage at 350 psig nitrogen pressure with coil submerged inwater.

DELIVERY , STORAGE AND HANDLING

Each unit is individually packaged from point of manufacture. Units shall be handled andstored in accordance with the manufacturer's instructions.

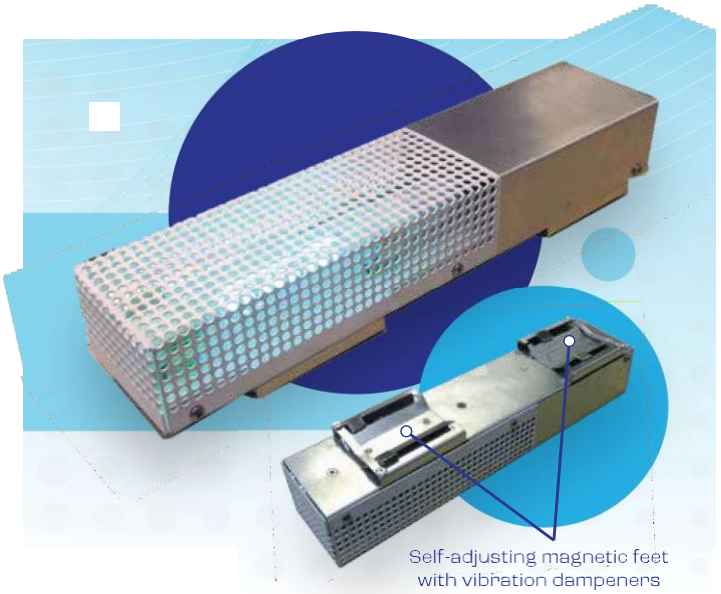
AIR PURIFICATION FOR FCUs

RGF Air Purifiers work on the patented technology of PHI-CELL® photohydroionization. It is an active technology that effectively eliminates microbes, gas and particulates in a conditioned space depending on the products.

PHI-PKG™

The PHI-PKG™ package unit uses RGF's patented Photohydroionization (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, and mold.

The PHI-PKG™ package units are designed specifically for use in residential and commercial applications. They utilize adjustable magnetic feet with vibration dampers to attach without fasteners to the HVAC blower unit or PKG-Rack™ System, making installation fast and simple. PHI-PKG™ package units are available with 5", 9", and 14" PHI-CELLS®



Project Ref: UTS-University of Technology Sydney

UV-C LIGHT H_2O_2 MAGNETIC

PHI-PTAC

The PHI-PTAC™ air purification system uses RGF's patented Photohydroionization (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, and mold spores. It is specifically designed for Packaged Terminal Air Conditioning (PTAC) units. The PHI-PTAC™ is easily mounted into a PTAC system without modification.

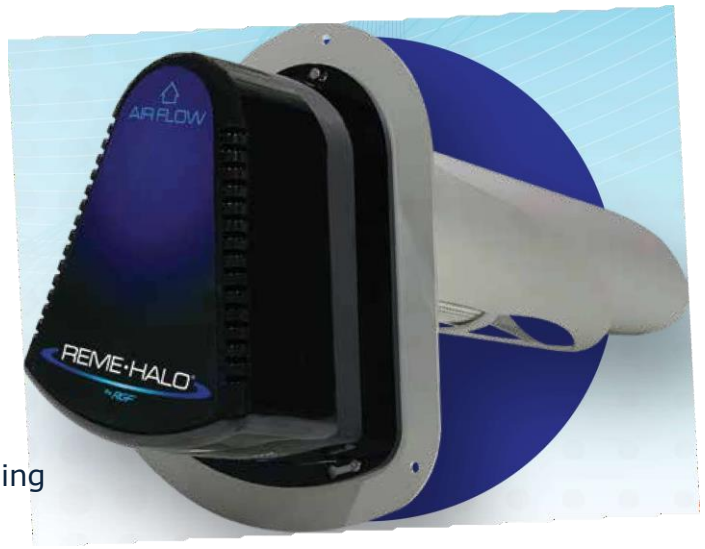
Project Ref: Bayer laboratories un Uruguay

UV-C LIGHT H_2O_2

REME-HALO®

The REME-HALO®utilizes RGF's patented photohydroionization REME Cell®technology with UV-C light to create low level, airborne hydrogen peroxide molecules throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold.

The REME-HALO®in-duct air purifier actively reduces pollutants
at the source ensuring excellent indoor air quality.

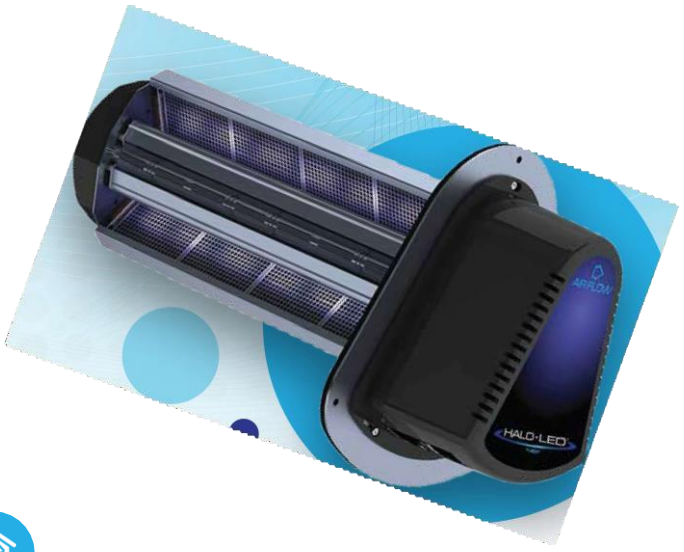


Project Ref: American cancer society office building

UV-C LIGHT | H_2O_2 | WHOLE HOME | TOOLLESS | IONIZATION

HALO-LED™

HALO-LED™ whole home in-duct air purifier uses our revolutionary REME-LED® technology to help protect your air conditioned space. The HALO-LED™ is zero ozone certified and provides a longer product life with improved energy efficiency. Easily installed in new or existing air conditioning system ductwork, the HALO-LED™ actively reduces airborne bacteria, viruses, odors, mold and allergens ensuring excellent indoor air quality.

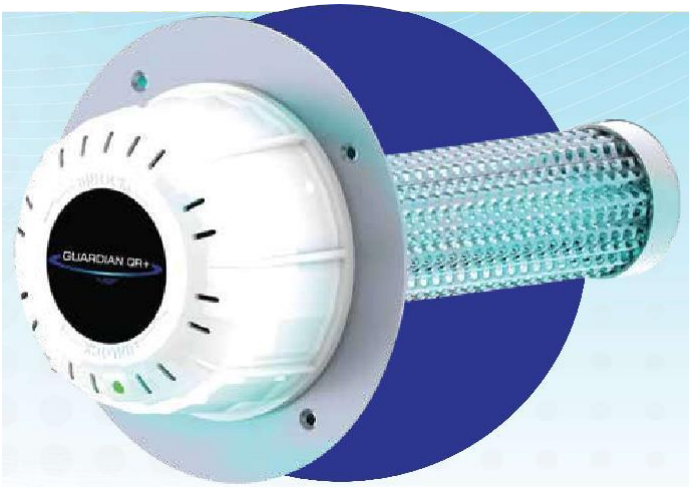


Project Ref: Lloyd's of London

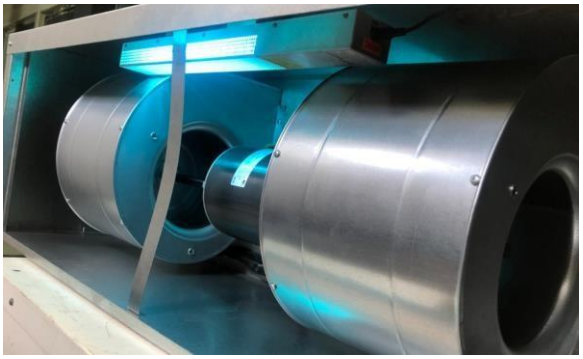
LED UV | LONG LIFE CELL | HYBRID CATALYST | H_2O_2 | ZERO OZONE | WHOLE HOME

GUARDIAN QR+

The Guardian Air QR+ in-duct air purifier utilizes RGF's proprietary PHI-CELL® technology. Installed into the supply plenum of your existing air conditioning or heating system air ducts, the Guardian Air QR+ in-duct air purifier produces low level, airborne hydrogen peroxide molecules that are distributed by the air handler, through the duct system and into the conditioned space. Unlike passive air technologies, which need pollutants to pass through the unit for purification or filtration, the Guardian Air QR+ in-duct air purifier sweeps through the air-conditioned space actively purifying pollutants at the source.



Project Ref: Ski Dubai – Penguin Enclosure



ALDES fresh air handling units equipped with RGF PHI-PKG™ air purifier