

FWC-DF

COOLING 4 PIPE @ 0 ESP																			
Air Temperature		DB:25°C - WB:**°C																	
Water Temperature	Delta T °C	ΔT=5						ΔT=10						ΔT=20					
	Water In / Out	45 °C - 40 °C			65 °C - 60 °C			50 °C - 40°C			65 °C - 55 °C			50 °C - 30 °C			70 °C - 50 °C		
Model / Fan Speed		Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd
		kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa
FWC06DAF (N/T/V)V3--	3.0V (L)	1.96	336	8.82	4.68	804	25.9	1.86	160	5.52	4.08	351	9.16	0.43	18	4.1	3.64	157	5.47
	5.5V (M)	2.37	407	10.6	5.67	975	35.1	2.26	194	6.03	4.94	425	11.12	0.52	22	4.13	4.41	190	5.96
	10.0V (H)	3.00	516	13.9	7.17	1233	52.1	2.86	246	6.91	6.25	538	14.68	0.66	28	4.17	5.59	240	6.81
FWC07DAF (N/T/V)V3--	3.0V (L)	2.14	369	10.1	5.13	882	30.3	2.04	176	6.2	4.47	384	10.5	0.47	20	4.61	3.99	172	6.18
	5.5V (M)	2.71	465	12.8	6.47	1113	44.2	2.58	222	7.0	5.64	485	13.4	0.59	26	4.65	5.04	217	6.89
	10.0V (H)	3.54	609	17.8	8.47	1457	70.2	3.38	290	8.3	7.39	635	18.8	0.78	33	4.7	6.60	284	8.15
FWC08DAF (N/T/V)V3--	3.0V (L)	2.27	390	11.2	5.43	933	33.7	2.16	186	6.9	4.73	407	11.6	0.50	21	5.12	4.23	182	6.83
	5.5V (M)	3.02	519	15	7.22	1241	53.6	2.88	247	7.9	6.29	541	15.8	0.66	28	5.17	5.62	242	7.83
	10.0V (H)	4.10	704	22.2	9.80	1685	91.5	3.90	336	9.8	8.54	735	23.6	0.90	39	5.24	7.63	328	9.63
FWC09DAF (N/T/V)V3--	3.0V (L)	2.41	414	12.3	5.76	991	37.5	2.30	198	7.6	5.03	432	12.8	0.53	23	5.63	4.49	193	7.51
	5.5V (M)	3.24	558	16.9	7.76	1334	61.2	3.09	266	8.8	6.76	582	17.8	0.71	31	5.68	6.04	260	8.68
	10.0V (H)	4.42	761	25.3	10.58	1819	106	4.22	363	11.0	9.23	793	26.8	0.97	42	5.76	8.24	354	10.8
Air Temperature		DB:20°C - WB:**°C																	
Water Temperature	Delta T °C	ΔT=5						ΔT=10						ΔT=20					
	Water In / Out	45 °C - 40 °C			65 °C - 60 °C			50 °C - 40°C			65 °C - 55 °C			50 °C - 30 °C			70 °C - 50 °C		
Model / Fan Speed		Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd
		kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa
FWC06DAF (N/T/V)V3--	3.0V (L)	2.72	468	12.4	5.44	936	32.8	2.66	229	6.60	4.87	419	10.96	1.25	54	4.35	4.44	191	5.97
	5.5V (M)	3.30	567	15.7	6.60	1134	45.1	3.22	277	7.52	5.90	508	13.66	1.51	65	4.45	5.38	231	6.64
	10.0V (H)	4.17	718	21.8	8.35	1436	67.9	4.08	350	9.16	7.47	642	18.61	1.92	82	4.61	6.80	292	7.84
FWC07DAF (N/T/V)V3--	3.0V (L)	2.98	513	14.3	5.97	1026	38.6	2.91	250	7.5	5.34	459	12.6	1.37	59	4.9	4.86	209	6.76
	5.5V (M)	3.77	648	19.3	7.53	1295	57.2	3.68	316	8.9	6.74	580	16.7	1.73	74	5.03	6.14	264	7.76
	10.0V (H)	4.93	848	28.6	9.86	1695	92.1	4.81	414	11.3	8.82	759	24.2	2.26	97	5.26	8.03	345	9.54
FWC08DAF (N/T/V)V3--	3.0V (L)	3.16	543	15.9	6.32	1086	42.9	3.08	265	8.3	5.65	486	14.0	1.45	62	5.42	5.15	221	7.47
	5.5V (M)	4.20	722	23	8.40	1445	69.7	4.10	353	10.2	7.52	646	19.8	1.93	83	5.61	6.85	294	8.88
	10.0V (H)	5.70	980	36.4	11.40	1961	121	5.57	479	13.7	10.21	877	30.6	2.62	113	5.92	9.29	400	11.4
FWC09DAF (N/T/V)V3--	3.0V (L)	3.35	577	17.6	6.71	1154	47.9	3.28	282	9.1	5.77	496	15	1.54	66	5.96	5.47	235	8.21
	5.5V (M)	4.51	776	26	9.03	1553	79.6	4.41	379	11.4	8.08	695	22	2.07	89	6.17	7.36	316	9.86
	10.0V (H)	6.16	1059	41.7	12.31	2118	139	6.01	517	15.5	11,47	986	37	2.83	122	6.53	10.04	431	12.8
Air Temperature		DB:18°C - WB:**°C																	
Water Temperature	Delta T °C	ΔT=5						ΔT=10						ΔT=20					
	Water In / Out	45 °C - 40 °C			65 °C - 60 °C			50 °C - 40°C			65 °C - 55 °C			50 °C - 30 °C			70 °C - 50 °C		
Model / Fan Speed		Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd	Tc	Wf	Wpd
		kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa	kW	l/h	kPa
FWC06DAF (N/T/V)V3--	3.0V (L)	3.02	520	14.1	5.74	988	35.8	2.96	254	7.07	5.15	442	11.6	1.55	67	4.46	4.71	202	6.16
	5.5V (M)	3.66	630	18.1	6.96	1197	49.4	3.58	308	8.18	6.23	536	14.6	1.88	81	4.59	5.71	245	6.9
	10.0V (H)	4.63	797	25.5	8.81	1514	74.7	4.53	390	10.16	7.89	678	20.1	2.38	102	4.81	7.22	310	8.23
FWC07DAF (N/T/V)V3--	3.0V (L)	3.31	569	16.3	6.29	1082	42.2	3.24	279	8.1	5.64	485	13.4	1.70	73	5.02	5.16	222	6.98
	5.5V (M)	4.18	719	22.4	7.95	1367	62.7	4.09	352	9.7	7.12	612	17.9	2.14	92	5.2	6.52	280	8.08
	10.0V (H)	5.47	941	33.6	10.40	1789	101	5.36	460	12.7	9.32	801	26.2	2.81	121	5.51	8.53	367	10.1
FWC08DAF (N/T/V)V3--	3.0V (L)	3.51	603	18.1	6.66	1146	46.9	3.43	295	8.9	5.97	513	14.9	1.80	77	5.56	5.46	235	7.71
	5.5V (M)	4.66	802	26.7	8.86	1524	76.5	4.56	392	11.2	7.94	683	21.3	2.39	103	5.81	7.27	312	9.27
	10.0V (H)	6.33	1088	43.1	12.03	2069	133	6.19	533	15.5	10.78	927	33.3	3.25	140	6.25	9.86	424	12.1
FWC09DAF (N/T/V)V3--	3.0V (L)	3.72	640	20	7.08	1217	52.4	3.64	313	9.8	6.34	545	16.4	1.91	82	6.1	5.80	249	8.48
	5.5V (M)	5.01	862	30.3	9.53	1638	87.5	4.90	422	12.5	8.53	734	24	2.57	110	6.4	7.81	336	10.3
	10.0V (H)	6.83	1175	49.4	12.99	2234	154	6.69	575	17.5	11.64	1001	38.1	3.51	151	6.89	10.65	458	13.6

SYMBOLS

- Tc = Total cooling capacity
- Sc = Sensible cooling capacity
- Wf = Water flow rate
- Wpd = Water pressure drop