

FWF02DATN5V3--
FWF03DATN5V3--
FWF04DATN5V3--
FWF05DATN5V3--

HEATING 2 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
FWF02DT	3.0V (L)	1.17	201	4.73	2.67	459	11.15	1.20	103	2.77	2.42	208	4.87	0.42	18	1.29	2.25	97	2.65
	5.5V (M)	1.54	265	6.13	3.51	603	15.53	1.58	136	3.39	3.18	273	6.33	0.55	24	1.38	2.95	127	3.22
	8.0V (H)	1.90	328	7.64	4.34	747	20.49	1.96	168	4.03	3.94	339	7.91	0.69	29	1.48	3.66	157	3.81
	9.5V	2.12	365	8.60	4.84	833	23.74	2.18	188	4.44	4.39	378	8.91	0.76	33	1.53	4.08	175	4.18
FWF03DT	3.0V (L)	1.83	314	14.16	4.16	716	44.06	1.88	161	6.64	3.77	325	14.76	0.66	28	1.82	3.51	151	6.20
	6.0V (M)	2.22	381	18.13	5.05	869	59.28	2.28	196	8.15	4.58	394	18.93	0.80	34	2.00	4.26	183	7.58
	8.0V (H)	2.48	426	21.01	5.65	971	70.60	2.54	219	9.22	5.12	440	21.96	0.89	38	2.13	4.76	204	8.55
	9.5V	2.67	460	23.31	6.10	1048	79.82	2.75	236	10.06	5.53	475	24.38	0.96	41	2.22	5.13	221	9.32
FWF04DT	3.0V (L)	2.02	347	10.84	4.61	792	34.19	2.07	178	6.15	4.18	359	11.25	0.73	31	3.94	3.88	167	5.91
	5.5V (M)	2.61	449	14.77	5.96	1024	52.68	2.68	231	7.35	5.40	464	15.42	0.94	40	4.03	5.01	216	6.99
	8.0V (H)	3.20	550	19.49	7.29	1254	75.29	3.28	282	8.76	6.61	568	20.44	1.15	49	4.12	6.14	264	8.24
	9.5V	3.55	611	22.76	8.10	1394	91.09	3.65	314	9.72	7.35	632	23.91	1.28	55	4.18	6.82	293	9.09
FWF05DT	3.0V (L)	2.21	380	12.12	5.04	867	39.78	2.27	195	6.61	4.57	393	12.60	0.80	34	4.07	4.25	183	6.34
	5.5V (M)	3.26	560	20.12	7.43	1277	77.93	3.34	288	9.02	6.73	579	21.10	1.17	50	4.23	6.26	269	8.48
	8.0V (H)	4.30	740	30.74	9.81	1688	129.67	4.42	380	12.11	8.90	765	32.40	1.55	67	4.42	8.27	355	11.22
	9.5V	4.93	848	38.36	11.25	1934	167.23	5.06	435	14.30	10.19	877	40.51	1.78	76	4.54	9.47	407	13.15
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
FWF02DT	3.0V (L)	1.56	269	6.22	3.08	529	13.21	1.59	137	3.41	2.69	231	5.37	0.84	36	1.59	2.66	114	2.97
	5.5V (M)	2.05	353	8.27	4.04	695	18.63	2.09	180	4.28	3.53	303	7.04	1.11	48	1.78	3.49	150	3.67
	8.0V (H)	2.54	437	10.51	5.00	860	24.81	2.59	223	5.19	4.37	376	8.86	1.37	59	1.97	4.32	186	4.40
	9.5V	2.83	487	11.96	5.58	960	28.89	2.89	248	5.76	4.87	419	10.02	1.53	66	2.09	4.82	207	4.85
FWF03DT	3.0V (L)	2.44	419	20.54	4.80	825	54.68	2.48	214	8.98	4.19	360	16.85	1.32	57	2.71	4.14	178	7.36
	6.0V (M)	2.96	508	26.77	5.82	1001	74.13	3.01	259	11.22	5.08	437	21.75	1.60	69	3.11	5.02	216	9.09
	8.0V (H)	3.30	568	31.33	6.51	1119	88.67	3.37	290	12.82	5.68	488	25.32	1.78	77	3.39	5.61	241	10.32
	9.5V	3.57	613	35.00	7.02	1208	100.53	3.64	313	14.08	6.13	527	28.19	1.93	83	3.60	6.06	261	11.29
FWF04DT	3.0V (L)	2.69	463	15.39	5.31	913	43.25	2.75	236	7.50	4.63	398	12.71	1.45	63	4.27	4.58	197	6.55
	5.5V (M)	3.48	599	22.08	6.86	1180	67.53	3.55	305	9.46	5.99	515	17.77	1.88	81	4.49	5.92	255	7.98
	8.0V (H)	4.26	733	30.18	8.40	1445	97.27	4.35	374	11.79	7.33	631	23.86	2.30	99	4.74	7.25	312	9.66
	9.5V	4.74	815	35.80	9.34	1605	118.08	4.83	416	13.38	8.15	701	28.09	2.56	110	4.91	8.06	346	10.80
FWF05DT	3.0V (L)	2.95	507	17.48	5.81	999	50.55	3.01	259	8.19	5.07	436	14.32	1.59	68	4.44	5.01	215	7.08
	5.5V (M)	4.34	747	31.19	8.56	1472	100.72	4.43	381	12.15	7.47	642	24.64	2.35	101	4.87	7.38	317	9.94
	8.0V (H)	5.74	987	49.53	11.31	1944	168.92	5.85	503	17.31	9.87	849	38.40	3.10	133	5.39	9.76	419	13.64
	9.5V	6.58	1131	62.77	12.96	2228	218.48	6.71	577	20.99	11.31	973	48.31	3.55	153	5.74	11.18	481	16.26
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
FWF02DT	3.0V (L)	1.70	293	6.79	3.20	551	13.87	1.73	149	3.65	2.95	254	5.88	1.00	43	1.70	2.80	120	3.09
	5.5V (M)	2.24	384	9.09	4.20	723	19.63	2.28	196	4.61	3.88	333	7.78	1.31	56	1.93	3.67	158	3.83
	8.0V (H)	2.77	476	11.63	5.21	895	26.22	2.82	242	5.63	4.80	413	9.85	1.63	70	2.17	4.55	195	4.60
	9.5V	3.09	531	13.27	5.81	999	30.57	3.14	270	6.26	5.35	460	11.18	1.81	78	2.31	5.07	218	5.09
FWF03DT	3.0V (L)	2.65	457	23.08	4.99	859	58.16	2.70	232	9.88	4.60	396	19.05	1.56	67	3.06	4.36	187	7.78
	6.0V (M)	3.22	554	30.24	6.06	1042	79.02	3.28	282	12.41	5.59	480	24.74	1.89	81	3.55	5.29	227	9.64
	8.0V (H)	3.60	619	35.49	6.77	1164	94.62	3.67	315	14.22	6.24	537	28.90	2.11	91	3.89	5.91	254	10.96
	9.5V	3.89	668	39.73	7.31	1257	107.37	3.96	340	15.66	6.74	579	32.25	2.28	98	4.15	6.38	274	12.00
FWF04DT	3.0V (L)	2.94	505	17.29	5.52	950	46.28	2.99	257	8.05	5.09	438	14.29	1.72	74	4.41	4.82	207	6.79
	5.5V (M)	3.80	653	25.15	7.14	1228	72.49	3.87	332	10.33	6.58	566	20.32	2.23	96	4.70	6.23	268	8.35
	8.0V (H)	4.65	799	34.69	8.74	1503	104.62	4.73	407	13.04	8.06	693	27.59	2.73	117	5.02	7.63	328	10.19
	9.5V	5.17	888	41.32	9.71	1671	127.12	5.26	452	14.91	8.96	770	32.65	3.03	130	5.24	8.48	365	11.45
FWF05DT	3.0V (L)	3.21	553	19.73	6.04	1039	54.15	3.27	281	8.84	5.57	479	16.19	1.89	81	4.60	5.28	227	7.36
	5.5V (M)	4.73	814	35.86	8.91	1531	108.35	4.82	415	13.44	8.21	706	28.51	2.78	120	5.16	7.78	334	10.49
	8.0V (H)	6.26	1076	57.50	11.77	2023	182.06	6.37	548	19.48	10.85	933	44.98	3.67	158	5.84	10.27	442	14.56
	9.5V	7.17	1233	73.13	13.48	2319	235.65	7.30	628	23.79	12.43	1069	56.85	4.21	181	6.31	11.77	506	17.44

SYMBOLS

Tc = Total Cooling Capacity

Sc = Sensible Cooling Capacity

Wf = Water Flow Rate

Wpd = Water Pressure Drop