Polairis - PLF2 Closed Circuit Cooling Tower Performance at Standard Conditions

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	5	6.67	5	5
Approach °C	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	6	6.67	5	4
Inlet Water Temperature °C	20	22	23	25	24	23	25	26	28	27	26	28	29	31	30	28	30	31	33	32	31	33	34	36	35	34	36	37	39	38	37	39	40	42	41	39	41	42	44	43	42.2	44.2	45.2	47.2	46.2	32	38.9	37	37
Outlet Water Temperature °C	14	16	17	18	16	17	19	20	21	19	20	22	23	24	22	22	24	25	26	24	25	27	28	29	27	28	30	31	32	30	31	33	34	35	33	33	35	36	37	35	36.2	38.2	39.2	40.2	38.2	27	32.2	32	32
Model Capacity (l/s)																									**l/s**																									
PLF2 0403E-2D2AT-H																							0.3	0.3			0.2	0.8	0.8			0.7	1.2	1.2			0.9	1.5	1.5	0.1	0.2	1.4	1.9	1.9	0.6	0.4	0.5	0.6	0.1
PLF2 0403E-3D2AT-H																							0.1	0.0				0.8	0.8			0.6	1.5	1.5			1.1	2.0	2.0			1.8	2.6	2.7	0.2	0.2	0.3	0.6		
PLF2 0403E-4D2AT-H																		0.0					0.7	0.6			0.5	1.4	1.3			1.2	2.0	2.0			1.6	2.4	2.4	0.3	0.5	2.2	3.1	3.1	1.0	0.8	0.9	1.1	0.4
PLF2 0403E-5D2AT-H																							0.5	0.4			0.3	1.5	1.4			1.3	2.4	2.4			1.9	3.0	3.0		0.4	2.8	3.9	3.9	1.0	0.7	0.8	1.2	0.2
PLF2 0403E-6D2AT-H	0.8	1.8	2.2	2.3	1.2	1.1	2.0	2.5	2.6	1.5	1.3	2.3	2.8	2.9	1.7	1.5	2.6	3.1	3.1	1.9	1.8	2.9	3.5	3.5	2.2	2.1	3.3	3.9	3.9	2.5	2.4	3.7	4.4	4.4	2.9	2.6	4.0	4.7	4.7	3.1	3.0	4.5	5.3	5.3	3.6	3.5	3.6	3.6	2.9
PLF2 0406E-2D2AS-K																		0.2	0.1				1.0	0.9			0.7	1.7	1.7			1.4	2.4	2.4			1.9	2.9	2.9	0.3	0.4	2.6	3.7	3.7	1.0	1.0	1.1	1.3	0.4
PLF2 0406E-2D2AT-K													0.0	0.0				0.5	0.5			0.2	1.3	1.3			1.0	2.1	2.1			1.8	3.0	3.0	0.1		2.3	3.6	3.6	0.5	0.6	3.3	4.6	4.6	1.3	1.3	1.4	1.7	0.6
PLF2 0406E-3D2AS-K			0.7	0.6			0.4	1.4	1.4			1.1	2.1	2.1			1.6	2.6	2.6	0.1	0.1	2.3	3.4	3.4	0.8	0.8	3.0	4.1	4.2	1.5	1.4	3.8	4.9	5.0	2.2	1.9	4.3	5.5	5.6	2.7	2.7	5.2	6.5	6.5	3.5	3.4	3.5	3.6	2.6
PLF2 0406E-3D2AT-K			0.5	0.5			0.1	1.5	1.5			1.2	2.5	2.5			1.8	3.2	3.2			2.8	4.2	4.2	0.8	0.9	3.8	5.2	5.2	1.8	1.8	4.7	6.2	6.2	2.7	2.4	5.4	6.9	6.9	3.3	3.3	6.4	8.0	8.0	4.3	4.2	4.4	4.5	3.2
PLF2 0406E-4D2AS-K		1.0	2.0	2.1			1.7	2.8	2.8	0.2	0.3	2.5	3.5	3.6	1.0	0.7	3.0	4.1	4.1	1.4	1.4	3.8	4.9	4.9	2.2	2.1	4.5	5.7	5.7	2.9	2.8	5.3	6.5	6.6	3.6	3.2	5.8	7.1	7.2	4.1	4.0	6.8	8.2	8.2	4.9	4.9	5.0	5.1	3.9
PLF2 0406E-4D2AT-K			0.9	0.8			0.5	1.9	1.9			1.5	3.0	2.9			2.2	3.7	3.7		0.1	3.2	4.8	4.8	1.0	1.1	4.3	5.9	5.9	2.0	2.0	5.4	7.0	7.1	3.1	2.7	6.1	7.8	7.9	3.8	3.8	7.4	9.2	9.2	5.0	4.8	5.0	5.1	3.6
PLF2 0406E-5D2AS-K	0.1	2.1	3.0	3.1	0.7	0.7	2.8	3.8	3.8	1.4	1.3	3.5	4.5	4.6	2.0	1.8	4.0	5.1	5.1	2.5	2.4	4.7	5.9	5.9	3.2	3.1	5.5	6.7	6.8	3.9	3.7	6.4	7.7	7.7	4.6	4.2	7.0	8.3	8.4	5.1	5.0	8.0	9.5	9.5	6.0	5.9	6.1	6.2	4.9
PLF2 0406E-5D2AT-K			1.2	1.2			0.9	2.3	2.3			1.9	3.4	3.4			2.6	4.1	4.2	0.5	0.5	3.6	5.2	5.3	1.5	1.4	4.7	6.4	6.4	2.5	2.4	5.8	7.6	7.7	3.5	3.1	6.7	8.5	8.6	4.2	4.3	8.1	10.1	10.2	5.5	5.2	5.4	5.6	4.1
PLF2 0406E-6D2AS-K	0.8	2.9	3.8	3.9	1.5	1.4	3.5	4.6	4.6	2.1	2.0	4.3	5.4	5.4	2.8	2.5	4.8	5.9	5.9	3.2	3.1	5.6	6.8	6.8	3.9	3.8	6.4	7.7	7.7	4.7	4.5	7.3	8.7	8.7	5.5	5.0	7.9	9.4	9.4	6.0	5.8	9.0	10.6	10.6	6.9	6.8	7.0	7.1	5.7
PLF2 0406E-6D2AT-K			1.2	1.2			0.7	2.3	2.3			1.8	3.5	3.5			2.6	4.3	4.3	0.1	0.1	3.8	5.6	5.6	1.2	1.2	5.0	6.8	6.9	2.3	2.3	6.2	8.2	8.2	3.5	3.1	7.1	9.1	9.2	4.3	4.5	8.6	10.7	10.7	5.6	5.6	5.8	6.0	4.2
PLF2 0409E-2D2AS-L			1.0	1.0			0.6	1.8	1.9			1.5	2.7	2.7			2.0	3.2	3.3	0.2	0.1	2.8	4.1	4.1	1.0	0.9	3.7	5.0	5.0	1.8	1.7	4.5	5.9	5.9	2.6	2.2	5.1	6.5	6.6	3.1	3.0	6.0	7.5	7.6	4.0	4.1	4.2	4.3	3.0
PLF2 0409E-3D2AS-L	0.4	2.6	3.7	3.7	1.3	1.0	3.3	4.5	4.5	1.9	1.6	4.1	5.3	5.3	2.5	2.0	4.6	5.8	5.9	2.9	2.7	5.4	6.7	6.8	3.7	3.4	6.3	7.7	7.7	4.4	4.2	7.2	8.7	8.7	5.2	4.7	7.8	9.4	9.4	5.8	5.6	9.0	10.6	10.6	6.7	6.8	6.9	7.0	5.5
PLF2 0409E-4D2AS-L	1.4	3.9	5.1	5.1	2.2	2.2	4.7	6.0	6.0	3.0	2.9	5.6	6.9	6.9	3.8	3.4	6.1	7.5	7.6	4.3	4.1	7.1	8.5	8.6	5.2	4.9	8.0	9.6	9.7	6.0	5.7	9.1	10.8	10.9	6.9	6.3	9.8	11.6	11.7	7.5	7.2	11.0	13.0	13.1	8.5	8.5	8.7	8.8	7.2
PLF2 0409E-5D2AS-L	2.7	5.1	6.2	6.3	3.5	3.3	5.9	7.1	7.2	4.2	4.0	6.7	8.1	8.2	4.9	4.5	7.4	8.8	8.9	5.4	5.2	8.4	10.0	10.0	6.3	6.0	9.5	11.2	11.3	7.2	6.9	10.7	12.6	12.6	8.2	7.6	11.5	13.6	13.6	8.9	8.7	13.1	15.3	15.4	10.2	10.0	10.2	10.4	8.5
PLF2 0409E-6D2AS-L	3.4	5.8	7.1	7.1	4.2	4.1	6.7	8.0	8.1	4.9	4.8	7.6	9.1	9.1	5.7	5.3	8.3	9.8	9.9	6.3	6.0	9.4	11.1	11.1	7.2	6.9	10.6	12.4	12.5	8.1	7.9	11.9	13.9	14.0	9.2	8.5	12.8	15.0	15.1	10.0	9.8	14.5	16.9	17.0	11.4	11.1	11.4	11.5	9.5
PLF2 0409E-7D2AS-L	3.9	6.4	7.7	7.7	4.7	4.5	7.3	8.7	8.8	5.5	5.3	8.3	9.9	9.9	6.3	5.8	9.0	10.7	10.7	6.9	6.6	10.2	12.0	12.1	7.9	7.5	11.4	13.4	13.5	9.0	8.6	12.8	15.0	15.1	10.1	9.4	13.9	16.2	16.3	11.0	10.8	15.7	18.2	18.3	12.4	11.9	12.4	12.5	10.5
PLF2 0512E-2D2AS-M		2.6	4.1	4.2	0.7	0.5	3.6	5.1	5.2	1.6	1.4	4.6	6.2	6.3	2.5	2.0	5.3	7.0	7.0	3.1	2.9	6.4	8.2	8.2	4.0	3.8	7.5	9.4	9.4	5.0	4.7	8.7	10.8	10.8	6.0	5.4	9.6	11.7	11.7	6.7	6.5	11.0	13.4	13.4	7.9	8.2	8.3	8.4	6.5
PLF2 0512E-3D2AS-M	2.3	5.5	7.1	7.1	3.4	3.1	6.5	8.2	8.2	4.3	4.0	7.6	9.4	9.4	5.3	4.6	8.4	10.3	10.3	5.9	5.5	9.6	11.7	11.7	7.0	6.5	11.0	13.2	13.2	8.1	7.7	12.4	14.9	14.9	9.3	8.5	13.5	16.1	16.1	10.2	9.9	15.4	18.2	18.2	11.7	11.7	11.9	12.1	9.7
PLF2 0512E-4D2AS-M	4.0	7.2	8.9	8.9	5.1	4.8	8.3	10.1	10.1	6.0	5.6	9.5	11.4	11.5	7.0	6.2	10.3	12.4	12.5	7.7	7.2	11.7	14.0	14.1	8.9	8.3	13.2	15.7	15.8	10.1	9.5	14.8	17.6	17.7	11.5	10.4	16.0	18.9	19.0	12.4	12.0	18.1	21.3	21.4	14.1	13.9	14.3	14.4	11.8
PLF2 0512E-5D2AS-M	5.0	8.4	10.2	10.2	6.2	5.8	9.6	11.5	11.5	7.1	6.7	10.8	12.9	13.0	8.2	7.4	11.7	13.9	14.0	8.9	8.4	13.2	15.6	15.7	10.2	9.6	14.8	17.4	17.6	11.5	11.0	16.6	19.5	19.7	13.0	11.9	17.9	21.0	21.2	14.0	13.8	20.3	23.7	23.9	15.9	15.6	16.0	16.1	13.4
PLF2 0512E-6D2AS-M	5.7	9.4	11.2	11.3	7.0	6.7	10.6	12.6	12.7	8.0	7.7	12.0	14.2	14.3	9.2	8.4	13.0	15.3	15.4	10.0	9.5	14.6	17.2	17.2	11.3	10.9	16.4	19.2	19.3	12.8	12.4	18.4	21.5	21.7	14.5	13.5	19.9	23.2	23.4	15.7	15.6	22.6	26.2	26.3	18.0	17.2	17.7	17.9	15.1
PLF2 0512E-7D2AS-M	6.4	10.3	12.2	12.2	7.7	7.4	11.6	13.7	13.7	8.8	8.5	13.0	15.3	15.4	10.0	9.2	14.1	16.5	16.6	10.9	10.5	15.8	18.5	18.6	12.4	11.9	17.8	20.7	20.8	14.0	13.5	19.9	23.2	23.3	15.8	14.7	21.5	25.0	25.1	17.1	16.8	24.3	28.2	28.3	19.3	18.5	19.1	19.4	16.4