

## TOP CKW Series



### FOUR ROWS WATER COILS-COOLING

Data are valid for the following parameters:

$T_{\text{air inlet}} = 35 \text{ }^{\circ}\text{C}$     $\phi_{\text{air inlet}} = 40 \%$     $T_{\text{water inlet}} = 7 \text{ }^{\circ}\text{C}$     $T_{\text{water outlet}} = 12 \text{ }^{\circ}\text{C}$     $w_{\text{air speed}} = 3 \text{ m/s}$

TIP/Type	$T_{\text{air outlet}} \text{ [}^{\circ}\text{C]}$	$Q_{\text{cooling}} \text{ [kW]}$	$\Delta p_{\text{air}} \text{ [Pa]}$	$V_{\text{air}} \text{ [m}^3\text{/h]}$	$q_{\text{water}} \text{ [l/s]}$	$\Delta p_{\text{water}} \text{ [kPa]}$
400/200-4R	20.13	6.93	109.43	900	0.33	5.05
500/250-4R	20.26	10.62	108.17	1400	0.50	4.20
500/300-4R	20.32	12.84	110.58	1700	0.61	4.53
600/300-4R	20.23	16.12	117.30	2100	0.77	6.22
600/350-4R	19.84	18.69	108.94	2350	0.89	7.73
700/400-4R	19.30	25.05	101.02	3000	1.19	11.36
800/500-4R	19.78	33.21	96.24	4200	1.58	7.84
1000/500-4R	19.30	43.73	97.13	5250	2.09	13.68
400/400-4R	20.85	12.72	107.48	1800	0.60	2.74
500/500-4R	20.08	20.77	101.09	2700	0.99	5.47
600/600-4R	20.32	30.09	106.33	4000	1.43	6.54
800/600-4R	19.94	40.67	102.02	5200	1.94	6.75
800/800-4R	19.99	54.54	103.84	7000	2.60	8.98
1000/800-4R	19.51	71.84	104.81	8750	3.43	15.60
1200/800-4R	19.73	84.21	104.39	10500	4.02	10.61
1000/1000-4R	19.53	90.14	105.94	11000	4.31	13.47
1200/1000-4R	19.68	104.65	102.55	13000	5.00	13.38
1300/1300-4R	19.42	148.37	99.62	18000	7.08	18.78
1400/1400-4R	19.30	175.41	101.02	21000	8.38	24.76
1600/1200-4R	19.10	177.04	102.94	20750	8.45	28.37
1600/1600-4R	19.16	238.05	105.41	28000	11.36	41.12
2000/1600-4R	18.71	305.57	103.16	34500	14.61	67.52

Data are valid for the following parameters:

$T_{\text{air inlet}} = 27 \text{ }^{\circ}\text{C}$     $\phi_{\text{air inlet}} = 50 \%$     $T_{\text{water inlet}} = 7 \text{ }^{\circ}\text{C}$     $T_{\text{water outlet}} = 12 \text{ }^{\circ}\text{C}$     $w_{\text{air speed}} = 3 \text{ m/s}$

TIP/Type	$T_{\text{air outlet}} \text{ [}^{\circ}\text{C]}$	$Q_{\text{cooling}} \text{ [kW]}$	$\Delta p_{\text{air}} \text{ [Pa]}$	$V_{\text{air}} \text{ [m}^3\text{/h]}$	$q_{\text{water}} \text{ [l/s]}$	$\Delta p_{\text{water}} \text{ [kPa]}$
400/200-4R	17.49	3.78	98.90	900	0.18	1.68
500/250-4R	17.61	5.73	97.26	1400	0.27	1.38
500/300-4R	17.65	6.93	99.38	1700	0.33	1.49
600/300-4R	17.53	8.84	106.25	2100	0.42	2.11
600/350-4R	17.24	10.38	99.27	2350	0.49	2.68
700/400-4R	16.80	14.23	92.91	3000	0.68	4.10
800/500-4R	17.26	18.18	87.13	4200	0.86	2.65
1000/500-4R	16.82	24.71	89.61	5250	1.18	4.90
400/400-4R	18.12	6.56	94.26	1800	0.31	0.83
500/500-4R	17.49	11.24	90.99	2700	0.53	1.81
600/600-4R	17.67	16.13	95.26	4000	0.77	2.13
800/600-4R	17.36	22.23	92.28	5200	1.06	2.27
800/800-4R	17.39	29.80	93.91	7000	1.42	3.02
1000/800-4R	16.96	40.52	96.13	8750	1.93	5.56
1200/800-4R	17.16	46.85	95.19	10500	2.24	3.69
1000/1000-4R	16.98	50.84	97.16	11000	2.43	4.80
1200/1000-4R	17.13	58.20	93.51	13000	2.78	4.65
1300/1300-4R	16.91	83.54	91.34	18000	3.99	6.68
1400/1400-4R	16.80	99.61	92.91	21000	4.76	8.94
1600/1200-4R	16.60	102.06	95.22	20750	4.88	10.56
1600/1600-4R	16.65	137.06	97.46	28000	6.54	15.22
2000/1600-4R	16.25	179.69	96.10	34500	8.59	25.97