

DC Fan Coil Unit Two-pipe Wall-mounted Series

Cooling Capacity

IMKG-V600C																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	15	4.25	3.27	1.23	113.51	4.22	3.75	1.22	111.98	4.31	4.23	1.25	116.41	4.69	4.69	1.35	133.30	5.15	5.15	1.49	157.34
		17	5.66	3.28	1.63	184.85	5.62	3.75	1.62	182.94	5.59	4.23	1.61	181.03	5.55	4.70	1.60	178.93	5.52	5.16	1.59	177.24
		19	-	-	-	-	7.14	3.77	2.06	277.57	7.10	4.24	2.05	274.81	7.06	4.71	2.04	272.06	7.02	5.18	2.02	269.40
		20	-	-	-	-	7.94	3.77	2.29	334.73	7.90	4.25	2.28	331.47	7.85	4.72	2.27	328.25	7.81	5.18	2.25	325.10
	4	15	3.73	3.03	0.80	54.09	3.77	3.52	0.81	55.06	4.02	4.00	0.87	61.77	4.48	4.48	0.97	74.21	4.94	4.94	1.07	88.22
		17	5.16	3.05	1.11	94.30	5.12	3.52	1.10	93.23	5.09	4.00	1.10	92.70	5.07	4.47	1.10	92.24	5.13	4.94	1.10	93.52
		19	-	-	-	-	6.65	3.54	1.44	147.23	6.61	4.01	1.43	145.80	6.57	4.48	1.42	144.24	6.53	4.95	1.41	143.28
		20	-	-	-	-	7.46	3.55	1.62	181.76	7.42	4.02	1.61	179.94	7.37	4.50	1.60	178.10	7.33	4.96	1.59	176.33
	5	15	3.23	2.80	0.56	28.71	3.42	3.29	0.59	31.58	3.77	3.77	0.65	37.38	4.24	4.24	0.73	45.36	4.71	4.71	0.81	54.36
		17	4.64	2.81	0.80	52.88	4.60	3.29	0.79	52.19	4.57	3.77	0.79	51.79	4.61	4.24	0.79	52.36	4.81	4.72	0.83	56.61
		19	-	-	-	-	6.14	3.31	1.06	86.83	6.11	3.79	1.06	85.89	6.07	4.26	1.05	85.01	6.03	4.73	1.04	84.01
		20	-	-	-	-	6.94	3.31	1.20	106.63	6.90	3.79	1.19	105.54	6.86	4.26	1.18	104.45	6.82	4.73	1.17	103.33
	6	15	2.80	2.56	0.40	16.38	3.10	3.05	0.44	19.33	3.54	3.54	0.51	24.22	4.02	4.02	0.58	30.29	4.48	4.48	0.64	36.31
		17	4.09	2.58	0.59	31.25	4.06	3.06	0.58	30.77	4.08	3.54	0.59	31.02	4.24	4.02	0.61	33.19	4.52	4.49	0.65	36.85
		19	-	-	-	-	5.60	3.08	0.81	53.60	5.57	3.55	0.80	53.00	5.53	4.03	0.79	52.35	5.49	4.49	0.79	51.70
		20	-	-	-	-	6.41	3.08	0.92	67.14	6.37	3.56	0.91	66.42	6.33	4.03	0.91	65.70	6.29	4.50	0.90	64.96
7	3	15	3.17	2.78	0.92	66.79	3.32	3.27	0.96	73.02	3.74	3.74	1.08	88.55	4.21	4.21	1.21	109.03	4.68	4.68	1.36	133.46
		17	4.59	2.79	1.33	127.81	4.55	3.27	1.32	125.15	4.51	3.74	1.31	123.91	4.51	4.21	1.31	123.82	4.71	4.69	1.37	134.73
		19	-	-	-	-	6.08	3.28	1.77	210.60	6.04	3.76	1.76	208.35	6.00	4.23	1.75	206.15	5.97	4.70	1.74	203.95
		20	-	-	-	-	6.88	3.29	2.01	261.62	6.84	3.76	2.00	258.98	6.80	4.24	1.98	256.26	6.76	4.70	1.97	253.68
	4	15	2.74	2.55	0.59	31.52	3.04	3.03	0.65	37.37	3.52	3.52	0.76	48.42	3.99	3.99	0.86	59.93	4.46	4.46	0.96	72.82
		17	4.05	2.56	0.88	61.86	4.00	3.03	0.86	60.06	3.99	3.51	0.86	59.98	4.14	3.99	0.89	63.91	4.46	4.46	0.97	73.06
		19	-	-	-	-	5.55	3.05	1.21	107.24	5.52	3.53	1.20	106.05	5.47	4.00	1.18	103.37	5.43	4.47	1.17	101.98
		20	-	-	-	-	6.35	3.06	1.37	134.50	6.31	3.53	1.37	133.08	6.28	4.01	1.36	132.49	6.24	4.48	1.35	130.89
	5	15	2.38	2.31	0.41	16.80	2.80	2.80	0.48	22.05	3.29	3.29	0.57	29.20	3.76	3.76	0.65	36.47	4.24	4.24	0.73	45.10
		17	3.48	2.32	0.60	32.07	3.46	2.80	0.60	31.78	3.56	3.28	0.61	33.22	3.82	3.77	0.66	37.51	4.24	4.24	0.73	45.23
		19	-	-	-	-	4.99	2.81	0.86	59.28	4.95	3.29	0.85	58.58	4.87	4.11	0.85	50.70	4.90	4.24	0.84	57.44
		20	-	-	-	-	5.80	2.82	1.00	77.01	5.77	3.30	1.00	76.61	5.73	3.78	0.99	75.95	5.70	4.25	0.99	75.26
	6	15	2.09	2.07	0.30	8.76	2.57	2.57	0.37	13.91	3.05	3.05	0.44	18.69	3.54	3.54	0.51	24.05	4.01	4.01	0.57	29.57
		17	2.85	2.06	0.41	16.60	2.95	2.56	0.42	17.62	3.20	3.06	0.46	20.19	3.55	3.54	0.51	24.25	4.01	4.01	0.58	29.66
		19	-	-	-	-	4.40	2.58	0.63	34.72	4.36	3.05	0.63	34.16	4.34	3.53	0.62	33.94	4.44	4.01	0.64	35.29
		20	-	-	-	-	5.23	2.59	0.75	46.74	5.20	3.07	0.75	46.51	5.16	3.55	0.74	45.88	5.12	4.02	0.74	45.29
9	3	15	2.31	2.29	0.66	37.80	2.77	2.77	0.80	51.91	3.25	3.25	0.94	68.52	3.73	3.73	1.08	88.25	4.20	4.20	1.21	107.12
		17	3.43	2.29	0.99	75.87	3.40	2.78	0.99	74.84	3.45	3.26	1.00	76.51	3.74	3.74	1.09	88.69	4.20	4.20	1.21	107.43
		19	-	-	-	-	4.92	2.79	1.43	142.10	4.89	3.26	1.42	140.43	4.85	3.74	1.41	138.35	4.82	4.21	1.40	138.18
		20	-	-	-	-	5.73	2.79	1.66	185.23	5.69	3.27	1.65	183.09	5.66	3.75	1.64	181.06	5.62	4.22	1.63	179.12
	4	15	2.06	2.06	0.44	18.99	2.55	2.55	0.55	27.46	3.03	3.03	0.65	36.55	3.50	3.50	0.76	47.02	3.97	3.97	0.86	58.51
		17	2.82	2.05	0.61	32.33	2.87	2.54	0.62	33.30	3.11	3.03	0.67	38.22	3.51	3.51	0.76	47.15	3.98	3.98	0.86	58.68
		19	-	-	-	-	4.35	2.55	0.94	68.37	4.31	3.03	0.93	67.33	4.28	3.51	0.92	66.43	4.33	3.99	0.94	67.89
		20	-	-	-	-	5.16	2.56	1.12	92.15	5.13	3.04	1.11	91.07	5.09	3.52	1.10	89.97	5.06	3.99	1.10	89.93
	5	15	1.82	1.82	0.31	9.94	2.31	2.31	0.40	15.66	2.80	2.80	0.48	21.70	3.28	3.28	0.57	28.56	3.75	3.75	0.65	36.00
		17	2.24	1.81	0.39	14.88	2.47	2.31	0.43	17.52	2.82	2.80	0.49	21.96	3.29	3.29	0.57	28.62	3.76	3.76	0.65	36.10
		19	-	-	-	-	3.74	2.32	0.65	35.78	3.71	2.80	0.64	35.28	3.76	3.28	0.65	36.07	3.96	3.77	0.69	39.54
		20	-	-	-	-	4.58	2.33	0.79	50.80	4.53	2.81	0.78	49.78	4.49	3.28	0.77	48.71	4.48	3.76	0.77	48.51
	6	15	1.59	1.59	0.23	4.40	2.07	2.07	0.30	8.88	2.56	2.56	0.37	13.63	3.05	3.05	0.44	18.29	3.53	3.53	0.51	23.45
		17	1.79	1.58	0.26	6.08	2.13	2.07	0.30	9.44	2.57	2.57	0.37	13.67	3.05	3.05	0.44	18.34	3.53	3.53	0.51	23.52
		19	-	-	-	-	3.08	2.07	0.44	18.59	3.13	2.56	0.45	19.11	3.33	3.05	0.48	21.26	3.62	3.54	0.52	24.54
		20	-	-	-	-	3.93	2.09	0.56	28.18	3.89	2.57	0.56	27.64	3.88	3.05	0.56	27.56	4.00	3.54	0.57	29.09

DC Fan Coil Unit Two-pipe Wall-mounted Series

(Continued)

IMKG-V600C																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	
11	3	15	1.80	1.80	0.51	24.00	2.29	2.29	0.66	36.50	2.77	2.77	0.80	51.21	3.25	3.25	0.94	67.48	3.72	3.72	1.07	85.60	
		17	2.17	1.79	0.62	33.21	2.38	2.29	0.68	39.22	2.78	2.77	0.80	51.34	3.25	3.25	0.94	67.67	3.73	3.73	1.08	85.86	
		19	-	-	-	-	3.70	2.30	1.07	84.54	3.66	2.78	1.06	83.03	3.66	3.26	1.06	82.99	3.82	3.73	1.10	89.21	
		20	-	-	-	-	4.51	2.30	1.31	119.96	4.47	2.78	1.30	118.40	4.44	3.26	1.28	116.59	4.40	3.73	1.27	114.98	
	4	15	1.56	1.56	0.33	11.47	2.05	2.05	0.44	18.38	2.54	2.54	0.55	26.49	3.03	3.03	0.65	36.01	3.50	3.50	0.75	45.77	
		17	1.71	1.56	0.37	13.43	2.07	2.06	0.44	18.63	2.55	2.55	0.55	26.51	3.03	3.03	0.65	36.12	3.50	3.50	0.75	45.90	
		19	-	-	-	-	3.06	2.06	0.66	36.62	3.06	2.54	0.66	36.75	3.22	3.03	0.69	39.76	3.53	3.51	0.76	46.56	
		20	-	-	-	-	3.87	2.06	0.83	54.66	3.84	2.55	0.82	53.71	3.81	3.02	0.82	53.02	3.88	3.51	0.83	54.74	
	5	15	1.33	1.33	0.23	4.57	1.82	1.82	0.31	10.10	2.31	2.31	0.40	15.45	2.80	2.80	0.48	21.36	3.27	3.27	0.56	27.69	
		17	1.38	1.33	0.24	5.00	1.82	1.82	0.31	10.14	2.32	2.32	0.40	15.50	2.80	2.80	0.48	21.43	3.28	3.28	0.56	27.78	
		19	-	-	-	-	2.40	1.81	0.41	16.47	2.59	2.32	0.45	18.71	2.89	2.81	0.50	22.51	3.28	3.28	0.56	27.87	
		20	-	-	-	-	3.21	1.82	0.55	26.83	3.19	2.31	0.55	26.57	3.26	2.80	0.56	27.55	3.48	3.28	0.60	30.81	
	6	15	1.10	1.10	0.16	2.10	1.59	1.59	0.23	4.57	2.07	2.07	0.30	8.96	2.56	2.56	0.37	13.32	3.05	3.05	0.44	18.01	
		17	1.11	1.10	0.16	2.12	1.59	1.59	0.23	4.59	2.07	2.07	0.30	9.00	2.57	2.57	0.37	13.37	3.05	3.05	0.44	18.07	
		19	-	-	-	-	1.87	1.57	0.27	6.98	2.19	2.07	0.31	10.07	2.59	2.57	0.37	13.54	3.06	3.06	0.44	18.13	
		20	-	-	-	-	2.48	1.57	0.35	12.61	2.57	2.07	0.37	13.42	2.83	2.57	0.41	15.89	3.15	3.06	0.45	19.02	
13	3	15	1.30	1.30	0.37	13.56	1.80	1.80	0.52	23.91	2.28	2.28	0.65	35.59	2.76	2.76	0.79	49.47	3.24	3.24	0.93	66.28	
		17	1.30	1.30	0.37	13.64	1.80	1.80	0.52	23.98	2.28	2.28	0.65	35.70	2.76	2.76	0.79	49.62	3.24	3.24	0.94	66.38	
		19	-	-	-	-	2.33	1.79	0.67	36.95	2.47	2.29	0.71	40.94	2.78	2.77	0.79	50.08	3.25	3.25	0.94	66.45	
		20	-	-	-	-	3.16	1.80	0.91	63.47	3.13	2.29	0.90	62.31	3.15	2.77	0.91	62.97	3.34	3.25	0.96	69.05	
	4	15	1.06	1.06	0.23	4.70	1.56	1.56	0.33	11.31	2.05	2.05	0.44	18.28	2.54	2.54	0.55	26.24	3.01	3.01	0.65	34.91	
		17	1.07	1.07	0.23	4.72	1.56	1.56	0.33	11.35	2.06	2.06	0.44	18.33	2.54	2.54	0.55	26.32	3.02	3.02	0.65	35.02	
		19	-	-	-	-	1.79	1.56	0.39	14.52	2.12	2.06	0.46	19.25	2.55	2.54	0.55	26.39	3.02	3.02	0.65	35.13	
		20	-	-	-	-	2.46	1.56	0.53	24.82	2.50	2.05	0.54	25.52	2.71	2.54	0.58	29.15	3.05	3.03	0.66	36.04	
	5	15	0.83	0.83	0.14	1.83	1.32	1.32	0.23	4.64	1.81	1.81	0.31	9.97	2.31	2.31	0.40	15.19	2.79	2.79	0.48	20.84	
		17	0.84	0.84	0.14	1.83	1.33	1.33	0.23	4.66	1.82	1.82	0.31	10.00	2.31	2.31	0.40	15.24	2.79	2.79	0.48	20.82	
		19	-	-	-	-	1.40	1.32	0.24	5.44	1.82	1.82	0.31	10.07	2.32	2.32	0.40	15.29	2.80	2.80	0.48	20.89	
		20	-	-	-	-	1.75	1.31	0.30	9.29	2.03	1.82	0.35	12.06	2.38	2.32	0.41	15.99	2.80	2.80	0.48	20.92	
	6	15	0.59	0.59	0.08	1.05	1.10	1.10	0.16	2.00	1.58	1.58	0.23	4.67	2.07	2.07	0.30	9.04	2.56	2.56	0.37	13.23	
		17	0.59	0.59	0.08	1.05	1.10	1.10	0.16	2.01	1.59	1.59	0.23	4.69	2.07	2.07	0.30	9.09	2.57	2.57	0.37	13.27	
		19	-	-	-	-	1.12	1.10	0.16	2.07	1.59	1.59	0.23	4.71	2.08	2.08	0.30	9.14	2.57	2.57	0.37	13.31	
		20	-	-	-	-	1.31	1.09	0.19	2.78	1.66	1.59	0.24	5.34	2.09	2.08	0.30	9.23	2.58	2.58	0.37	13.33	
15	3	15	0.80	0.80	0.23	4.73	1.30	1.30	0.37	13.37	1.79	1.79	0.51	23.09	2.27	2.27	0.65	34.91	2.75	2.75	0.79	48.65	
		17	0.80	0.80	0.23	4.75	1.30	1.30	0.37	13.41	1.79	1.79	0.51	23.16	2.28	2.28	0.65	35.02	2.76	2.76	0.79	48.79	
		19	-	-	-	-	1.32	1.31	0.38	13.80	1.79	1.79	0.51	23.23	2.28	2.28	0.65	35.13	2.76	2.76	0.79	48.95	
		20	-	-	-	-	1.69	1.29	0.48	20.98	1.91	1.80	0.55	25.94	2.29	2.29	0.65	35.26	2.77	2.77	0.79	49.04	
	4	15	0.57	0.57	0.12	1.50	1.06	1.06	0.23	4.77	1.56	1.56	0.34	11.31	2.05	2.05	0.44	17.74	2.53	2.53	0.54	25.51	
		17	0.57	0.57	0.12	1.50	1.06	1.06	0.23	4.80	1.56	1.56	0.34	11.34	2.05	2.05	0.44	17.79	2.53	2.53	0.54	25.58	
		19	-	-	-	-	1.07	1.06	0.23	4.81	1.57	1.57	0.34	11.38	2.05	2.05	0.44	17.85	2.54	2.54	0.54	25.67	
		20	-	-	-	-	1.18	1.06	0.25	6.39	1.59	1.57	0.34	11.66	2.06	2.05	0.44	17.88	2.54	2.54	0.55	25.71	
	5	15	0.31	0.31	0.05	0.64	0.83	0.83	0.14	1.75	1.32	1.32	0.23	4.87	1.82	1.82	0.31	9.95	2.30	2.30	0.39	14.75	
		17	-	-	-	-	0.84	0.84	0.14	1.76	1.33	1.33	0.23	4.89	1.82	1.82	0.31	9.98	2.30	2.30	0.40	14.80	
		19	-	-	-	-	0.84	0.84	0.14	1.76	1.33	1.33	0.23	4.92	1.82	1.82	0.31	10.01	2.31	2.31	0.40	14.85	
		20	-	-	-	-	0.87	0.84	0.15	1.85	1.33	1.33	0.23	4.93	1.82	1.82	0.31	10.03	2.31	2.31	0.40	14.88	
	6	15	-	-	-	-	0.58	0.58	0.08	1.00	1.10	1.10	0.16	1.96	1.58	1.58	0.23	4.87	2.07	2.07	0.30	8.96	
		17	-	-	-	-	0.59	0.59	0.08	1.00	1.10	1.10	0.16	1.97	1.58	1.58	0.23	4.89	2.07	2.07	0.30	8.99	
		19	-	-	-	-	0.59	0.59	0.08	1.00	1.10	1.10	0.16	1.97	1.59	1.59	0.23	4.92	2.07	2.07	0.30	9.02	
		20	-	-	-	-	0.59	0.58	0.08	1.00	1.10	1.10	0.16	1.98	1.59	1.59	0.23	4.93	2.08	2.08	0.30	9.04	

Abbreviations:

EWT: Enter Water Temp. (°C) Δt: Temperature Difference. (°C) DB: Dry Bulb Temp. (°C) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (°C) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

DC Fan Coil Unit Two-pipe Wall-mounted Series

Heating Capacity

IMKG-V600C													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	4.36	0.47	18.07	3.83	0.41	14.44	3.29	0.36	11.18	2.76	0.30	8.22
	10	3.88	0.33	10.12	3.34	0.29	7.85	2.80	0.24	5.82	2.26	0.19	3.87
	12	3.38	0.24	5.95	2.83	0.20	4.25	2.29	0.17	2.50	1.76	0.13	1.27
	14	2.86	0.18	2.94	2.33	0.14	1.67	1.78	0.11	1.06	1.22	0.08	0.73
	16	2.37	0.13	1.32	1.81	0.10	0.97	1.24	0.07	0.67	0.64	0.03	0.35
45	8	5.68	0.61	27.80	5.14	0.55	23.27	4.61	0.50	19.26	4.07	0.44	15.60
	10	5.20	0.45	16.31	4.67	0.40	13.52	4.13	0.36	10.98	3.60	0.31	8.66
	12	4.73	0.34	10.22	4.18	0.30	8.30	3.64	0.26	6.56	3.10	0.22	4.99
	14	4.22	0.26	6.53	3.67	0.23	5.16	3.12	0.19	3.80	2.59	0.16	2.38
	16	3.71	0.20	4.10	3.16	0.17	2.80	2.63	0.14	1.70	2.08	0.11	1.04
50	8	6.99	0.76	39.02	6.45	0.70	33.83	5.91	0.64	28.99	5.38	0.58	24.75
	10	6.53	0.56	23.64	5.99	0.52	20.35	5.45	0.47	17.30	4.92	0.42	14.48
	12	6.05	0.44	15.19	5.51	0.40	12.92	4.97	0.36	10.83	4.43	0.32	8.91
	14	5.57	0.34	10.19	5.03	0.31	8.54	4.48	0.28	7.03	3.94	0.24	5.65
	16	5.08	0.27	6.98	4.53	0.24	5.74	3.98	0.21	4.61	3.43	0.19	3.52
55	8	8.31	0.90	51.65	7.76	0.84	45.88	7.22	0.78	40.47	6.69	0.72	35.29
	10	7.85	0.68	31.84	7.30	0.63	28.12	6.76	0.58	24.49	6.22	0.54	21.21
	12	7.38	0.53	20.98	6.84	0.49	18.37	6.30	0.45	15.93	5.75	0.41	13.60
	14	6.91	0.43	14.38	6.37	0.39	12.52	5.82	0.36	10.74	5.28	0.33	9.09
	16	6.43	0.35	10.19	5.88	0.32	8.75	5.33	0.29	7.41	4.79	0.26	6.16
60	8	9.63	1.04	65.68	9.07	0.98	58.92	8.53	0.92	52.90	7.99	0.86	47.40
	10	9.17	0.79	40.80	8.62	0.74	36.72	8.07	0.70	32.70	7.53	0.65	29.02
	12	8.70	0.63	27.28	8.16	0.59	24.36	7.61	0.55	21.61	7.07	0.51	19.01
	14	8.24	0.51	19.07	7.69	0.47	16.93	7.14	0.44	14.91	6.60	0.41	13.01
	16	7.77	0.42	13.79	7.22	0.39	12.15	6.67	0.36	10.61	6.12	0.33	9.17

Abbreviations:

Δt : Temperature Difference. (°C) **TH:** Total Heating Capacity. (kW) **WF:** Water Flow. (m³/h) **WPD:** Water Pressure Drop. (kPa)