

Universal FCU DC

Service manual

MUC-W7



MUC-W7/CE



MUC-W7/SE



Ceiling & Floor DC Fan Coil Unit

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1. Features

✚ Flexible for installation, designed for horizontal/vertical, concealed/cabinet application

Ceiling Installation



Floor Installation



Concealed Installation



✚ High efficiency and low operating sound level

Due to the DC fan motor, the unit operates in lower power consumption and lower operating sound level.

✚ Meet CE certification requirements

The unit can meet the latest CE certification requirements for using DC fan motor.



✚ Air return form side or below for flexible choice



2. External Appearance



MUC-W7/CE

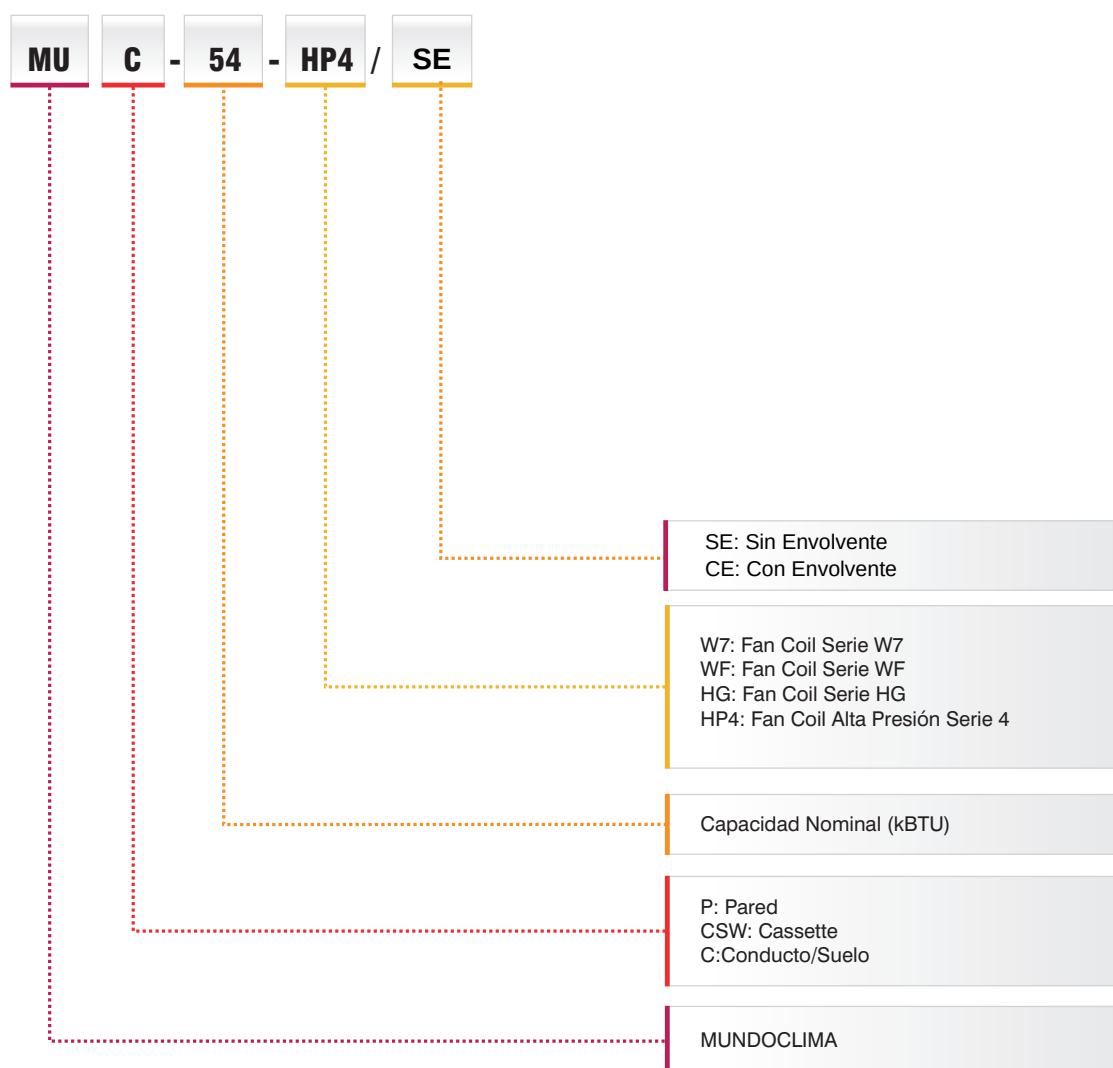


MUC-W7/SE

3. Products Lineup

Model	Air volume (CFM)	External static pressure	Power supply
MUC-07-W7	250	MUC-W7/SE: 12 Pa MUC-W7/CE: 0 Pa	220~240V-1Ph-50Hz
MUC-11-W7	400		
MUC-16-W7	450		
MUC-19-W7	600		
MUC-24-W7	900		

4. Nomenclature



5. Specifications

Model			(none)	MUC-07-W7	(none)
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m ³ /h	267/201/153	369/272/196	560/407/319
		CFM	157/118/90	217/160/115	329/239/187
External static pressure		Pa	H3 models: 12; H4/H5 models: 0		
Cooling ¹	Capacity (H/M/L)	kW	1.63/1.23/0.96	2.07/1.52/1.07	2.97/2.39/1.82
	Water flow rate(H/M/L)	m ³ /h	0.28/0.22/0.18	0.36/0.27/0.20	0.52/0.42/0.33
	Water pressure drop(H/M/L)	kPa	7.39/4.8/3.2	11.13/6.7/3.8	19.1/12.79/8.15
	Power input(H/M/L)	W	12/8/6	17/10/7	26/14/9
Heating ²	Capacity (H/M/L)	kW	1.71/1.29/0.98	2.39/1.76/1.3	3.3/2.54/1.87
	Water flow rate(H/M/L)	m ³ /h	0.30/0.23/0.18	0.42/0.32/0.24	0.57/0.46/0.35
	Water pressure drop(H/M/L)	kPa	5.33/3.5/2.03	8.9/7.29/4.3	15.6/12.31/7.6
	Power input(H/M/L)	W	13/9/7	18/11/7	26/14/10
Heating ³	Capacity (H/M/L)	kW	2.02/1.52/1.22	2.78/2.07/1.42	3.92/3.08/2.24
	Water flow rate(H/M/L)	m ³ /h	0.28/0.22/0.18	0.36/0.27/0.20	0.52/0.42/0.33
	Water pressure drop(H/M/L)	kPa	5.91/3.29/1.88	11.99/5.22/3	19.42/10.57/6.73
	Power input(H/M/L)	W	13/9/7	18/11/7	26/14/10
Sound pressure level	H/M/L	dB(A)	35/28/21	39/31/22	44/37/31
Rated current		A	0.2	0.3	0.3
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	2
Coil	Row		3	3	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52
Body (H3 series)	Net dimensions (W×H×D)	mm	550×545×212	550×545×212	750×545×212
	Packing size (W×H×D)	mm	639×639×305	639×639×305	839×639×305
	Net weight	kg	17	17	20
	Gross weight	kg	19	19	23.5
Body (H4/H5 series)	Net dimensions (W×H×D)	mm	800×592×220	800×592×220	1000×592×220
	Packing size (W×H×D)	mm	889×683×312	889×683×312	1089×683×312
	Net weight	kg	24.4	24.4	28.2
	Gross weight	kg	28.4	28.4	33.2
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ16	ODΦ16	ODΦ16

Note: Based on Eurovent conditions:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.

2 :Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C,high fan speed.

3 :Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*
(same water flow as in standard rating condition in cooling)

Model			MUC-11-W7	MUC-16-W7	(none)
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m ³ /h	604/448/343	678/492/383	748/555/398
		CFM	355/263/201	398/289/225	440/326/234
External static pressure		Pa	H3 models: 12; H4/H5 models: 0		
Cooling ¹	Capacity (H/M/L)	kW	3.25/2.63/2.12	4.57/3.35/2.62	4.82/3.73/2.8
	Water flow rate(H/M/L)	m ³ /h	0.59/0.49/0.38	0.81/0.60/0.47	0.85/0.65/0.51
	Water pressure drop(H/M/L)	kPa	23.2/16.38/11.14	25.52/15.03/9.95	27.32/17.1/10.74
	Power input(H/M/L)	W	30/16/10	25/13/9	31/16/10
Heating ²	Capacity (H/M/L)	kW	3.62/2.82/2.17	4.66/3.38/2.57	5.21/3.92/2.88
	Water flow rate(H/M/L)	m ³ /h	0.64/0.51/0.39	0.83/0.60/0.47	0.92/0.70/0.52
	Water pressure drop(H/M/L)	kPa	19.57/15.1/9.8	21.58/12.5/7.91	23.5/16.92/9.5
	Power input(H/M/L)	W	30/16/10	25/13/9	31/16/10
Heating ³	Capacity (H/M/L)	kW	4.37/3.34/2.63	5.52/3.98/3.03	6.17/4.65/3.44
	Water flow rate(H/M/L)	m ³ /h	0.59/0.49/0.38	0.81/0.60/0.47	0.85/0.65/0.51
	Water pressure drop(H/M/L)	kPa	22.9/13.86/9.1	23.02/12.41/7.7	27.46/14.4/9
	Power input(H/M/L)	W	30/15/9	25/13/9	31/16/10
Sound pressure level	H/M/L	dB(A)	44/37/31	40/32/25	42/35/27
Rated current		A	0.4	0.3	0.4
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		2	2	2
Coil	Row		2	3	3
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52
Body (H3 series)	Net dimensions (W×H×D)	mm	750×545×212	950×545×212	950×545×212
	Packing size (W×H×D)	mm	839×639×305	1039×639×305	1039×639×305
	Net weight	kg	20	25	25
	Gross weight	kg	23.5	29	29
Body (H4/H5 series)	Net dimensions (W×H×D)	mm	1000×592×220	1200×592×220	1200×592×220
	Packing size (W×H×D)	mm	1089×683×312	1289×683×312	1289×683×312
	Net weight	kg	28.2	34.2	34.2
	Gross weight	kg	33.2	39.7	39.7
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ16	ODΦ16	ODΦ16

Note: Based on Eurovent conditions:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.

2 :Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C,high fan speed.

3 :Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*
(same water flow as in standard rating condition in cooling)

Model			MUC-19-W7	(none)	MUC-24-W7
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)	m ³ /h		1017/720/588	1245/906/675	1509/1054/806
	CFM		598/423/345	732/532/397	887/620/474
External static pressure		Pa	H3 models: 12; H4/H5 models: 0		
Cooling ¹	Capacity (H/M/L)	kW	5.43/4.32/3.58	6.25/5.12/4.05	7.17/5.67/4.72
	Water flow rate(H/M/L)	m ³ /h	0.93/0.78/0.63	1.12/0.89/0.72	1.29/0.99/0.84
	Water pressure drop(H/M/L)	kPa	18.54/13.01/8.71	26.51/17.08/11.49	30.94/18.96/14.04
	Power input(H/M/L)	W	37/18/12	67/30/15	103/38/21
Heating ²	Capacity (H/M/L)	kW	6.38/4.81/3.93	7.48/5.84/4.6	8.45/6.32/5.05
	Water flow rate(H/M/L)	m ³ /h	1.10/0.87/0.71	1.30/1.02/0.83	1.47/1.13/0.90
	Water pressure drop(H/M/L)	kPa	17.62/15.39/10.7	24/20.53/13.54	27.39/21.6/14.12
	Power input(H/M/L)	W	38/18/12	69/30/16	106/38/21
Heating ³	Capacity (H/M/L)	kW	7.44/5.69/4.71	8.79/6.89/5.45	9.96/7.48/5.94
	Water flow rate(H/M/L)	m ³ /h	0.93/0.78/0.63	1.12/0.89/0.72	1.29/0.99/0.84
	Water pressure drop(H/M/L)	kPa	24.16/12.51/8.5	32.37/15.6/10.56	34.9/16.71/12.38
	Power input(H/M/L)	W	38/18/11	68/30/16	106/38/20
Sound pressure level	H/M/L	dB(A)	42/33/28	48/39/31	51/42/35
Rated current		A	0.4	0.6	0.8
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		3	3	3
Coil	Row		2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52
Body (H3 series)	Net dimensions (W×H×D)	mm	1250×545×212	1250×545×212	1250×545×212
	Packing size (W×H×D)	mm	1339×639×305	1339×639×305	1339×639×305
	Net weight	kg	32	32	32
	Gross weight	kg	36	36	36
Body (H4/H5 series)	Net dimensions (W×H×D)	mm	1500×592×220	1500×592×220	1500×592×220
	Packing size (W×H×D)	mm	1589×683×312	1589×683×312	1589×683×312
	Net weight	kg	40	40	40
	Gross weight	kg	45.5	45.5	45.5
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ16	ODΦ16	ODΦ16

Note: Based on Eurovent conditions:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

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3 :Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*
(same water flow as in standard rating condition in cooling)

Capacity Table

Cooling Capacity Table

(none)																						
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
℃	℃	℃	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	1.54	1.16	0.44	13.09	1.51	1.31	0.43	12.56	1.52	1.49	0.43	12.72	1.65	1.65	0.47	14.73	1.81	1.81	0.52	17.17
		17	2	1.15	0.57	20.47	1.98	1.31	0.57	20.15	1.92	1.45	0.55	19.07	1.91	1.61	0.55	18.91	1.93	1.79	0.55	19.3
		19	2.5	1.13	0.72	30	2.48	1.3	0.71	29.71	2.46	1.46	0.7	29.18	2.41	1.6	0.69	28.17	2.41	1.77	0.69	28.11
		20	2.76	1.12	0.79	35.68	2.75	1.29	0.79	35.33	2.73	1.45	0.78	34.93	2.69	1.61	0.77	34.17	2.66	1.76	0.76	33.48
	4	15	1.43	1.11	0.31	7.03	1.4	1.27	0.3	6.81	1.46	1.46	0.31	7.26	1.6	1.6	0.34	8.52	1.76	1.76	0.38	9.98
		17	1.89	1.09	0.41	11.29	1.88	1.26	0.4	11.14	1.82	1.4	0.39	10.56	1.79	1.56	0.38	10.32	1.84	1.75	0.39	10.78
		19	2.39	1.08	0.51	16.82	2.37	1.25	0.51	16.66	2.35	1.41	0.5	16.36	2.29	1.55	0.49	15.71	2.29	1.71	0.49	15.6
		20	2.65	1.07	0.57	20.12	2.64	1.24	0.57	19.93	2.62	1.4	0.56	19.71	2.58	1.55	0.55	19.24	2.54	1.7	0.55	18.72
	5	15	1.31	1.05	0.23	4.1	1.32	1.23	0.23	4.11	1.4	1.4	0.24	4.62	1.55	1.55	0.27	5.51	1.71	1.71	0.29	6.48
		17	1.77	1.04	0.3	6.91	1.76	1.21	0.3	6.82	1.72	1.36	0.29	6.53	1.69	1.51	0.29	6.33	1.77	1.71	0.3	6.85
		19	2.27	1.03	0.39	10.51	2.26	1.19	0.39	10.41	2.24	1.36	0.38	10.25	2.18	1.5	0.37	9.78	2.16	1.66	0.37	9.64
		20	2.53	1.02	0.44	12.66	2.52	1.19	0.43	12.55	2.51	1.35	0.43	12.42	2.47	1.5	0.42	12.09	2.42	1.65	0.41	11.68
	6	15	1.19	1	0.17	1.89	1.24	1.19	0.18	2.16	1.35	1.35	0.19	2.82	1.5	1.5	0.21	3.71	1.66	1.66	0.24	4.49
		17	1.65	0.99	0.24	4.45	1.64	1.15	0.23	4.4	1.6	1.31	0.23	4.22	1.6	1.47	0.23	4.2	1.7	1.68	0.24	4.69
		19	2.15	0.97	0.31	7	2.14	1.14	0.31	6.94	2.12	1.3	0.3	6.84	2.06	1.45	0.3	6.52	2.03	1.6	0.29	6.34
		20	2.42	0.97	0.35	8.51	2.4	1.13	0.34	8.44	2.39	1.3	0.34	8.35	2.35	1.45	0.34	8.13	2.29	1.59	0.33	7.78
7	3	15	1.2	1	0.34	8.37	1.21	1.18	0.35	8.53	1.33	1.33	0.38	10.04	1.49	1.49	0.43	12.15	1.65	1.65	0.47	14.4
		17	1.65	0.99	0.47	14.51	1.64	1.15	0.47	14.36	1.6	1.3	0.46	13.72	1.56	1.45	0.45	13.15	1.66	1.66	0.47	14.57
		19	2.15	0.97	0.62	22.78	2.14	1.14	0.61	22.55	2.12	1.3	0.61	22.18	2.05	1.44	0.59	20.98	2.03	1.6	0.58	20.57
		20	2.41	0.96	0.69	27.78	2.4	1.13	0.69	27.52	2.38	1.3	0.68	27.2	2.34	1.45	0.67	26.37	2.28	1.59	0.65	25.25
	4	15	1.08	0.95	0.23	4.3	1.15	1.15	0.25	4.75	1.28	1.28	0.28	5.75	1.44	1.44	0.31	7	1.6	1.6	0.34	8.33
		17	1.53	0.93	0.33	7.78	1.53	1.1	0.33	7.71	1.49	1.26	0.32	7.43	1.48	1.42	0.32	7.36	1.6	1.6	0.34	8.39
		19	2.03	0.92	0.44	12.55	2.02	1.09	0.43	12.42	2	1.25	0.43	12.25	1.94	1.39	0.42	11.59	1.9	1.54	0.41	11.2
		20	2.29	0.91	0.49	15.44	2.28	1.08	0.49	15.3	2.27	1.24	0.49	15.14	2.22	1.4	0.48	14.67	2.16	1.54	0.46	13.91
	5	15	0.99	0.91	0.17	1.97	1.09	1.09	0.19	2.67	1.23	1.23	0.21	3.61	1.39	1.39	0.24	4.49	1.55	1.55	0.27	5.39
		17	1.41	0.88	0.24	4.58	1.4	1.05	0.24	4.55	1.38	1.21	0.24	4.43	1.42	1.39	0.24	4.66	1.55	1.55	0.27	5.41
		19	1.91	0.87	0.33	7.67	1.9	1.03	0.33	7.59	1.88	1.2	0.32	7.5	1.63	1.15	0.28	7.39	1.77	1.49	0.3	6.76
		20	2.17	0.86	0.37	9.55	2.16	1.03	0.37	9.47	2.14	1.19	0.37	9.37	2.11	1.35	0.36	9.13	2.03	1.48	0.35	8.54
	6	15	0.91	0.88	0.13	1.02	1.03	1.03	0.15	1.26	1.18	1.18	0.17	1.97	1.34	1.34	0.19	2.9	1.5	1.5	0.21	3.69
		17	1.27	0.82	0.18	2.52	1.27	0.99	0.18	2.52	1.29	1.17	0.18	2.61	1.36	1.36	0.19	3.02	1.5	1.5	0.21	3.7
		19	1.78	0.81	0.25	4.97	1.76	0.98	0.25	4.92	1.75	1.15	0.25	4.87	1.71	1.3	0.25	4.67	1.66	1.44	0.24	4.43
		20	2.04	0.8	0.29	6.29	2.03	0.97	0.29	6.23	2.02	1.14	0.29	6.17	1.99	1.3	0.28	6.03	1.91	1.43	0.27	5.62
9	3	15	0.88	0.86	0.25	4.88	1.01	1.01	0.29	6.15	1.17	1.17	0.33	7.9	1.33	1.33	0.38	9.82	1.48	1.48	0.43	11.88
		17	1.28	0.83	0.37	9.24	1.28	1	0.37	9.19	1.26	1.16	0.36	9.03	1.33	1.33	0.38	9.83	1.49	1.49	0.43	11.89
		19	1.78	0.81	0.51	16.17	1.77	0.98	0.51	16	1.75	1.15	0.5	15.82	1.71	1.3	0.49	15.1	1.63	1.43	0.47	14
		20	2.04	0.8	0.58	20.47	2.03	0.97	0.58	20.28	2.01	1.14	0.58	20.07	1.98	1.3	0.57	19.53	1.89	1.43	0.54	18.01
	4	15	0.81	0.81	0.17	2.3	0.96	0.96	0.21	3.41	1.12	1.12	0.24	4.49	1.28	1.28	0.27	5.62	1.44	1.44	0.31	6.84
		17	1.15	0.77	0.25	4.7	1.15	0.94	0.25	4.71	1.18	1.13	0.25	4.9	1.28	1.28	0.27	5.62	1.44	1.44	0.31	6.85
		19	1.65	0.76	0.35	8.66	1.64	0.93	0.35	8.56	1.63	1.1	0.35	8.48	1.59	1.25	0.34	8.16	1.53	1.39	0.33	7.63
		20	1.91	0.75	0.41	11.13	1.9	0.92	0.41	11.03	1.89	1.09	0.41	10.92	1.86	1.25	0.4	10.68	1.77	1.38	0.38	9.82
	5	15	0.75	0.75	0.13	0.98	0.91	0.91	0.16	1.57	1.07	1.07	0.18	2.66	1.23	1.23	0.21	3.57	1.39	1.39	0.24	4.4
		17	1	0.71	0.17	2.26	1.03	0.9	0.18	2.44	1.11	1.1	0.19	2.91	1.23	1.23	0.21	3.57	1.39	1.39	0.24	4.4
		19	1.51	0.71	0.26	5.1	1.5	0.87	0.26	5.04	1.5	1.04	0.26	5.01	1.47	1.2	0.25	4.85	1.45	1.36	0.25	4.76
		20	1.78	0.7	0.31	6.7	1.77	0.87	0.3	6.63	1.76	1.03	0.3	6.57	1.74	1.2	0.3	6.45	1.67	1.34	0.29	6
	6	15	0.69	0.69	0.1	0.74	0.85	0.85	0.12	0.91	1.01	1.01	0.15	1.28	1.18	1.18	0.17	2.11	1.33	1.33	0.19	2.94
		17	0.86	0.66	0.12	0.91	0.94	0.86	0.13	1.04	1.04	1.04	0.15	1.4	1.18	1.18	0.17	2.11	1.34	1.34	0.19	2.95
		19	1.36	0.65	0.2	3.06	1.36	0.82	0.19	3.04	1.36	0.99	0.19	3.04	1.35	1.15	0.19	3.01	1.38	1.33	0.2	3.16
		20	1.63	0.64	0.23	4.25	1.62	0.81	0.23	4.2	1.62	0.98	0.23	4.17	1.6	1.14	0.23	4.11	1.55	1.29	0.22	3.87

(Continued)

(none)																							
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	0.68	0.68	0.2	3.08	0.84	0.84	0.24	4.48	1.01	1.01	0.29	6.02	1.16	1.16	0.33	7.74	1.32	1.32	0.38	9.61	
		17	0.88	0.67	0.25	4.82	0.91	0.85	0.26	5.1	1.01	1.01	0.29	6.06	1.17	1.17	0.33	7.74	1.32	1.32	0.38	9.62	
		19	1.38	0.65	0.4	10.31	1.37	0.82	0.39	10.19	1.36	0.99	0.39	10.13	1.35	1.15	0.39	9.9	1.34	1.32	0.38	9.78	
		20	1.64	0.65	0.47	13.9	1.63	0.81	0.47	13.73	1.62	0.98	0.46	13.6	1.61	1.15	0.46	13.42	1.54	1.29	0.44	12.42	
	4	15	0.63	0.63	0.13	1.04	0.79	0.79	0.17	2.25	0.95	0.95	0.21	3.37	1.11	1.11	0.24	4.39	1.27	1.27	0.27	5.5	
		17	0.74	0.61	0.16	1.85	0.83	0.82	0.18	2.56	0.96	0.96	0.21	3.38	1.12	1.12	0.24	4.39	1.27	1.27	0.27	5.5	
		19	1.23	0.6	0.27	5.2	1.23	0.77	0.26	5.17	1.23	0.94	0.26	5.18	1.23	1.11	0.26	5.18	1.28	1.28	0.28	5.56	
		20	1.5	0.59	0.32	7.28	1.49	0.76	0.32	7.18	1.48	0.93	0.32	7.13	1.47	1.1	0.32	7.05	1.43	1.24	0.31	6.66	
	5	15	0.57	0.57	0.1	0.7	0.74	0.74	0.13	0.93	0.9	0.9	0.16	1.7	1.06	1.06	0.18	2.7	1.22	1.22	0.21	3.5	
		17	0.64	0.57	0.11	0.78	0.76	0.76	0.13	0.99	0.9	0.9	0.16	1.71	1.06	1.06	0.18	2.7	1.22	1.22	0.21	3.51	
		19	1.07	0.54	0.18	2.76	1.07	0.71	0.18	2.75	1.09	0.89	0.19	2.83	1.14	1.07	0.2	3.1	1.23	1.23	0.21	3.53	
		20	1.35	0.54	0.23	4.15	1.34	0.7	0.23	4.08	1.34	0.88	0.23	4.09	1.33	1.04	0.23	4.06	1.33	1.21	0.23	4.03	
	6	15	0.51	0.51	0.07	0.52	0.68	0.68	0.1	0.69	0.85	0.85	0.12	0.87	1.01	1.01	0.15	1.37	1.17	1.17	0.17	2.21	
		17	0.55	0.54	0.08	0.56	0.7	0.7	0.1	0.7	0.85	0.85	0.12	0.87	1.01	1.01	0.15	1.37	1.17	1.17	0.17	2.21	
		19	0.9	0.47	0.13	0.96	0.9	0.65	0.13	0.97	0.98	0.84	0.14	1.22	1.07	1.05	0.15	1.65	1.18	1.18	0.17	2.22	
		20	1.18	0.47	0.17	2.26	1.17	0.64	0.17	2.22	1.18	0.82	0.17	2.25	1.2	0.99	0.17	2.35	1.25	1.18	0.18	2.57	
13	3	15	0.51	0.51	0.15	1.47	0.68	0.68	0.19	3.04	0.84	0.84	0.24	4.38	1	1	0.29	5.9	1.16	1.16	0.33	7.57	
		17	0.54	0.54	0.15	1.72	0.68	0.68	0.19	3.04	0.84	0.84	0.24	4.39	1	1	0.29	5.9	1.16	1.16	0.33	7.58	
		19	0.94	0.49	0.27	5.29	0.94	0.66	0.27	5.3	0.96	0.84	0.27	5.46	1.02	1.02	0.29	6.12	1.16	1.16	0.33	7.58	
		20	1.21	0.49	0.35	8.16	1.2	0.65	0.34	8.01	1.2	0.83	0.34	8.03	1.2	0.99	0.34	7.98	1.21	1.17	0.35	8.18	
	4	15	0.46	0.46	0.1	0.68	0.63	0.63	0.13	1.09	0.79	0.79	0.17	2.31	0.95	0.95	0.2	3.3	1.11	1.11	0.24	4.3	
		17	0.47	0.47	0.1	0.69	0.63	0.63	0.13	1.09	0.79	0.79	0.17	2.31	0.95	0.95	0.2	3.31	1.11	1.11	0.24	4.3	
		19	0.78	0.43	0.17	2.23	0.78	0.61	0.17	2.27	0.86	0.8	0.18	2.76	0.96	0.96	0.21	3.38	1.11	1.11	0.24	4.31	
		20	1.05	0.43	0.23	3.91	1.04	0.6	0.22	3.85	1.05	0.77	0.23	3.9	1.07	0.95	0.23	4.04	1.14	1.14	0.25	4.52	
	5	15	-	-	-	-	0.57	0.57	0.1	0.66	0.74	0.74	0.13	0.93	0.9	0.9	0.15	1.81	1.06	1.06	0.18	2.69	
		17	-	-	-	-	0.57	0.57	0.1	0.67	0.74	0.74	0.13	0.93	0.9	0.9	0.15	1.81	1.06	1.06	0.18	2.69	
		19	-	-	-	-	0.66	0.56	0.11	0.77	0.78	0.78	0.13	1.11	0.91	0.91	0.16	1.86	1.06	1.06	0.18	2.69	
		20	-	-	-	-	0.87	0.54	0.15	1.65	0.9	0.72	0.15	1.81	0.98	0.92	0.17	2.28	1.08	1.08	0.19	2.79	
	6	15	-	-	-	-	0.51	0.51	0.07	0.49	0.68	0.68	0.1	0.65	0.85	0.85	0.12	0.85	1.01	1.01	0.14	1.47	
		17	-	-	-	-	0.51	0.51	0.07	0.49	0.68	0.68	0.1	0.65	0.85	0.85	0.12	0.85	1.01	1.01	0.14	1.47	
		19	-	-	-	-	0.57	0.53	0.08	0.54	0.71	0.71	0.1	0.68	0.85	0.85	0.12	0.86	1.01	1.01	0.14	1.48	
		20	-	-	-	-	0.69	0.48	0.1	0.65	0.79	0.68	0.11	0.75	0.9	0.89	0.13	1	1.02	1.02	0.15	1.55	
15	3	15	-	-	-	-	0.51	0.51	0.15	1.58	0.68	0.68	0.19	2.98	0.84	0.84	0.24	4.29	1	1	0.29	5.77	
		17	-	-	-	-	0.51	0.51	0.15	1.58	0.68	0.68	0.19	2.98	0.84	0.84	0.24	4.3	1	1	0.29	5.78	
		19	-	-	-	-	0.55	0.53	0.16	1.96	0.68	0.68	0.2	3.03	0.84	0.84	0.24	4.3	1	1	0.29	5.78	
		20	-	-	-	-	0.74	0.49	0.21	3.46	0.77	0.67	0.22	3.69	0.86	0.86	0.25	4.49	1	1	0.29	5.78	
	4	15	-	-	-	-	0.46	0.46	0.1	0.64	0.62	0.62	0.13	1.17	0.79	0.79	0.17	2.32	0.95	0.95	0.2	3.24	
		17	-	-	-	-	0.46	0.46	0.1	0.64	0.62	0.62	0.13	1.17	0.79	0.79	0.17	2.32	0.95	0.95	0.2	3.24	
		19	-	-	-	-	0.48	0.48	0.1	0.67	0.63	0.63	0.13	1.19	0.79	0.79	0.17	2.33	0.95	0.95	0.2	3.24	
		20	-	-	-	-	0.57	0.44	0.12	0.89	0.68	0.64	0.15	1.55	0.8	0.8	0.17	2.4	0.95	0.95	0.2	3.25	
	5	15	-	-	-	-	-	-	-	-	0.57	0.57	0.1	0.63	0.73	0.73	0.13	0.97	0.9	0.9	0.15	1.88	
		17	-	-	-	-	-	-	-	-	0.57	0.57	0.1	0.63	0.73	0.73	0.13	0.97	0.9	0.9	0.15	1.88	
		19	-	-	-	-	-	-	-	-	0.57	0.57	0.1	0.63	0.74	0.74	0.13	0.97	0.9	0.9	0.15	1.88	
		20	-	-	-	-	-	-	-	-	0.6	0.6	0.1	0.66	0.74	0.74	0.13	1.01	0.9	0.9	0.15	1.89	
	6	15	-	-	-	-	-	-	-	-	0.51	0.51	0.07	0.46	0.68	0.68	0.1	0.62	0.84	0.84	0.12	0.87	
		17	-	-	-	-	-	-	-	-	0.51	0.51	0.07	0.46	0.68	0.68	0.1	0.62	0.84	0.84	0.12	0.87	
		19	-	-	-	-	-	-	-	-	0.51	0.51	0.07	0.46	0.68	0.68	0.1	0.62	0.85	0.85	0.12	0.87	
		20	-	-	-	-	-	-	-	-	0.53	0.53	0.08	0.48	0.69	0.69	0.1	0.62	0.85	0.85	0.12	0.87	

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)

MUC-07-W7																						
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
℃	℃	℃	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	1.97	1.5	0.56	19.87	1.94	1.71	0.56	19.44	1.95	1.93	0.56	19.58	2.14	2.14	0.61	22.99	2.34	2.34	0.67	26.87
		17	2.56	1.47	0.73	31.2	2.54	1.69	0.73	30.86	2.48	1.88	0.71	29.57	2.43	2.08	0.69	28.51	2.45	2.31	0.7	29.04
		19	3.19	1.44	0.91	45.9	3.17	1.66	0.91	45.48	3.15	1.87	0.9	44.82	3.08	2.07	0.88	43.27	3.05	2.27	0.87	42.34
		20	3.53	1.43	1.01	54.67	3.51	1.65	1.01	54.19	3.49	1.86	1	53.64	3.45	2.07	0.99	52.52	3.38	2.26	0.97	50.69
	4	15	1.82	1.43	0.39	10.6	1.81	1.65	0.39	10.44	1.88	1.88	0.4	11.16	2.08	2.08	0.45	13.24	2.28	2.28	0.49	15.53
		17	2.41	1.4	0.52	17.09	2.4	1.62	0.51	16.92	2.35	1.82	0.5	16.35	2.28	2.01	0.49	15.49	2.35	2.26	0.5	16.33
		19	3.05	1.38	0.65	25.57	3.03	1.6	0.65	25.33	3.01	1.81	0.65	25.01	2.94	2	0.63	24.05	2.89	2.2	0.62	23.37
		20	3.38	1.36	0.73	30.63	3.36	1.58	0.72	30.36	3.35	1.8	0.72	30.07	3.3	2	0.71	29.4	3.22	2.19	0.69	28.2
	5	15	1.67	1.36	0.29	6.23	1.69	1.59	0.29	6.38	1.81	1.81	0.31	7.13	2.01	2.01	0.34	8.53	2.21	2.21	0.38	10.05
		17	2.26	1.33	0.39	10.39	2.25	1.55	0.39	10.29	2.21	1.76	0.38	10.01	2.15	1.95	0.37	9.55	2.26	2.22	0.39	10.41
		19	2.89	1.31	0.5	15.89	2.88	1.53	0.49	15.74	2.86	1.74	0.49	15.56	2.8	1.94	0.48	14.98	2.73	2.13	0.47	14.39
		20	3.23	1.29	0.55	19.18	3.21	1.51	0.55	19.02	3.2	1.73	0.55	18.84	3.16	1.94	0.54	18.43	3.07	2.12	0.53	17.54
	6	15	1.52	1.29	0.22	3.78	1.6	1.55	0.23	4.19	1.74	1.74	0.25	4.87	1.94	1.94	0.28	5.89	2.15	2.15	0.31	6.98
		17	2.1	1.26	0.3	6.69	2.09	1.48	0.3	6.64	2.06	1.69	0.29	6.48	2.04	1.91	0.29	6.41	2.18	2.18	0.31	7.15
		19	2.74	1.24	0.39	10.53	2.72	1.46	0.39	10.43	2.71	1.68	0.39	10.32	2.65	1.88	0.38	9.99	2.57	2.06	0.37	9.44
		20	3.07	1.22	0.44	12.83	3.06	1.45	0.44	12.73	3.04	1.66	0.44	12.61	3.01	1.87	0.43	12.37	2.91	2.05	0.42	11.67
7	3	15	1.53	1.3	0.44	12.64	1.56	1.53	0.45	13.09	1.73	1.73	0.49	15.61	1.93	1.93	0.55	18.95	2.13	2.13	0.61	22.52
		17	2.11	1.27	0.6	21.99	2.09	1.49	0.6	21.79	2.07	1.7	0.59	21.31	2	1.89	0.57	20.06	2.14	2.14	0.61	22.57
		19	2.74	1.24	0.79	34.69	2.72	1.46	0.78	34.35	2.71	1.68	0.78	33.97	2.64	1.87	0.76	32.5	2.57	2.06	0.74	30.98
		20	3.07	1.22	0.88	42.38	3.06	1.45	0.88	42.01	3.04	1.66	0.87	41.6	3	1.87	0.86	40.57	2.9	2.05	0.83	38.29
	4	15	1.38	1.23	0.3	6.49	1.47	1.47	0.32	7.27	1.66	1.66	0.36	8.89	1.87	1.87	0.4	10.86	2.07	2.07	0.44	12.97
		17	1.95	1.2	0.42	11.7	1.94	1.42	0.42	11.61	1.92	1.63	0.41	11.39	1.91	1.85	0.41	11.26	2.07	2.07	0.44	12.98
		19	2.59	1.17	0.56	18.99	2.57	1.39	0.55	18.79	2.55	1.61	0.55	18.6	2.5	1.81	0.54	17.97	2.41	1.99	0.52	16.8
		20	2.92	1.16	0.63	23.4	2.9	1.38	0.62	23.2	2.89	1.6	0.62	22.98	2.85	1.81	0.61	22.52	2.74	1.98	0.59	21.04
	5	15	1.26	1.18	0.22	3.77	1.4	1.4	0.24	4.53	1.59	1.59	0.27	5.66	1.8	1.8	0.31	6.96	2	2	0.34	8.35
		17	1.78	1.13	0.31	6.84	1.78	1.35	0.31	6.82	1.77	1.57	0.3	6.77	1.83	1.81	0.31	7.13	2	2	0.34	8.36
		19	2.42	1.1	0.42	11.54	2.41	1.32	0.41	11.42	2.4	1.54	0.41	11.31	2.07	1.52	0.36	11.13	2.25	1.93	0.39	10.19
		20	2.76	1.09	0.47	14.39	2.74	1.31	0.47	14.27	2.73	1.53	0.47	14.14	2.7	1.74	0.46	13.89	2.6	1.92	0.45	13
	6	15	1.16	1.14	0.17	1.88	1.32	1.32	0.19	2.82	1.52	1.52	0.22	3.82	1.73	1.73	0.25	4.77	1.94	1.94	0.28	5.77
		17	1.6	1.05	0.23	4.17	1.61	1.28	0.23	4.19	1.65	1.52	0.24	4.4	1.75	1.75	0.25	4.85	1.94	1.94	0.28	5.77
		19	2.25	1.03	0.32	7.43	2.24	1.25	0.32	7.35	2.23	1.47	0.32	7.3	2.19	1.68	0.31	7.11	2.12	1.87	0.3	6.72
		20	2.59	1.02	0.37	9.42	2.58	1.24	0.37	9.34	2.56	1.46	0.37	9.25	2.54	1.68	0.36	9.11	2.46	1.86	0.35	8.61
9	3	15	1.13	1.12	0.32	7.43	1.3	1.3	0.37	9.53	1.51	1.51	0.43	12.28	1.72	1.72	0.49	15.3	1.93	1.93	0.55	18.56
		17	1.63	1.06	0.47	13.89	1.62	1.29	0.47	13.85	1.62	1.51	0.46	13.79	1.72	1.72	0.49	15.31	1.93	1.93	0.55	18.58
		19	2.26	1.04	0.65	24.51	2.25	1.26	0.64	24.23	2.23	1.48	0.64	24	2.2	1.69	0.63	23.44	2.08	1.86	0.6	21.3
		20	2.59	1.02	0.74	31.08	2.58	1.24	0.74	30.8	2.56	1.46	0.74	30.49	2.54	1.68	0.73	30.03	2.43	1.85	0.7	27.8
	4	15	1.04	1.04	0.22	3.99	1.24	1.24	0.27	5.32	1.45	1.45	0.31	6.94	1.65	1.65	0.36	8.71	1.86	1.86	0.4	10.64
		17	1.45	0.99	0.31	6.98	1.46	1.22	0.31	7.04	1.51	1.46	0.32	7.48	1.66	1.66	0.36	8.72	1.86	1.86	0.4	10.65
		19	2.09	0.97	0.45	13.03	2.08	1.19	0.45	12.87	2.07	1.41	0.44	12.77	2.05	1.62	0.44	12.52	1.97	1.81	0.42	11.71
		20	2.43	0.95	0.52	16.79	2.41	1.18	0.52	16.63	2.4	1.4	0.52	16.47	2.38	1.61	0.51	16.25	2.3	1.8	0.49	15.28
	5	15	0.97	0.97	0.17	1.98	1.17	1.17	0.2	3.26	1.38	1.38	0.24	4.37	1.59	1.59	0.27	5.54	1.79	1.79	0.31	6.82
		17	1.26	0.92	0.22	3.76	1.31	1.16	0.23	4.01	1.42	1.42	0.24	4.6	1.59	1.59	0.27	5.55	1.8	1.8	0.31	6.82
		19	1.92	0.9	0.33	7.61	1.9	1.12	0.33	7.52	1.9	1.34	0.33	7.49	1.88	1.56	0.32	7.37	1.87	1.77	0.32	7.29
		20	2.25	0.89	0.39	10.04	2.24	1.11	0.39	9.93	2.23	1.33	0.38	9.84	2.21	1.55	0.38	9.74	2.15	1.74	0.37	9.24
	6	15	0.89	0.89	0.13	0.95	1.1	1.1	0.16	1.68	1.31	1.31	0.19	2.83	1.52	1.52	0.22	3.76	1.73	1.73	0.25	4.68
		17	1.08	0.85	0.15	1.61	1.2	1.11	0.17	2.24	1.34	1.34	0.19	2.97	1.52	1.52	0.22	3.76	1.73	1.73	0.25	4.68
		19	1.72	0.82	0.25	4.61	1.71	1.05	0.25	4.59	1.71	1.27	0.25	4.61	1.73	1.5	0.25	4.67	1.78	1.74	0.26	4.92
		20	2.07	0.81	0.3	6.34	2.05	1.04	0.29	6.25	2.05	1.26	0.29	6.21	2.04	1.48	0.29	6.17	1.99	1.68	0.28	5.92

(Continued)

MUC-07-W7																						
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	0.88	0.88	0.25	4.8	1.09	1.09	0.31	6.92	1.3	1.3	0.37	9.34	1.51	1.51	0.43	12.04	1.72	1.72	0.49	15
		17	1.11	0.86	0.32	7.12	1.16	1.1	0.33	7.72	1.3	1.3	0.37	9.38	1.51	1.51	0.43	12.05	1.72	1.72	0.49	15.01
		19	1.75	0.83	0.5	15.49	1.74	1.05	0.5	15.3	1.73	1.28	0.5	15.26	1.72	1.49	0.49	15.03	1.73	1.72	0.5	15.29
		20	2.08	0.82	0.6	20.99	2.07	1.04	0.59	20.72	2.06	1.26	0.59	20.52	2.05	1.48	0.59	20.32	2	1.68	0.57	19.5
	4	15	0.81	0.81	0.17	2.39	1.02	1.02	0.22	3.8	1.23	1.23	0.27	5.22	1.44	1.44	0.31	6.8	1.65	1.65	0.35	8.54
		17	0.94	0.79	0.2	3.27	1.07	1.06	0.23	4.07	1.24	1.24	0.27	5.23	1.44	1.44	0.31	6.8	1.65	1.65	0.35	8.55
		19	1.56	0.76	0.33	7.71	1.55	0.98	0.33	7.68	1.56	1.21	0.33	7.73	1.57	1.44	0.34	7.87	1.66	1.66	0.36	8.65
		20	1.9	0.75	0.41	10.91	1.89	0.97	0.41	10.74	1.88	1.2	0.4	10.67	1.87	1.42	0.4	10.6	1.84	1.62	0.4	10.28
	5	15	0.74	0.74	0.13	0.93	0.95	0.95	0.16	2.04	1.17	1.17	0.2	3.22	1.38	1.38	0.24	4.28	1.58	1.58	0.27	5.43
		17	0.81	0.74	0.14	1.19	0.98	0.98	0.17	2.21	1.17	1.17	0.2	3.23	1.38	1.38	0.24	4.29	1.58	1.58	0.27	5.44
		19	1.35	0.69	0.23	4.16	1.35	0.91	0.23	4.14	1.38	1.15	0.24	4.29	1.46	1.4	0.25	4.74	1.59	1.59	0.27	5.48
		20	1.71	0.68	0.29	6.16	1.69	0.9	0.29	6.04	1.69	1.13	0.29	6.06	1.69	1.35	0.29	6.07	1.71	1.58	0.29	6.21
	6	15	0.66	0.66	0.09	0.66	0.88	0.88	0.13	0.92	1.1	1.1	0.16	1.81	1.31	1.31	0.19	2.84	1.52	1.52	0.22	3.69
		17	0.71	0.7	0.1	0.71	0.9	0.9	0.13	0.95	1.1	1.1	0.16	1.81	1.31	1.31	0.19	2.84	1.52	1.52	0.22	3.7
		19	1.13	0.61	0.16	2.03	1.14	0.83	0.16	2.05	1.24	1.09	0.18	2.54	1.37	1.36	0.2	3.08	1.52	1.52	0.22	3.72
		20	1.49	0.6	0.21	3.56	1.48	0.82	0.21	3.52	1.48	1.05	0.21	3.53	1.53	1.29	0.22	3.72	1.61	1.54	0.23	4.09
13	3	15	0.66	0.66	0.19	2.91	0.88	0.88	0.25	4.71	1.09	1.09	0.31	6.79	1.3	1.3	0.37	9.16	1.5	1.5	0.43	11.81
		17	0.69	0.69	0.2	3.1	0.88	0.88	0.25	4.71	1.09	1.09	0.31	6.79	1.3	1.3	0.37	9.17	1.51	1.51	0.43	11.81
		19	1.19	0.62	0.34	7.85	1.18	0.85	0.34	7.83	1.22	1.09	0.35	8.21	1.32	1.32	0.38	9.43	1.51	1.51	0.43	11.82
		20	1.53	0.62	0.44	12.18	1.51	0.84	0.43	11.9	1.52	1.06	0.44	11.98	1.52	1.29	0.44	12.04	1.56	1.52	0.45	12.53
	4	15	0.59	0.59	0.13	0.92	0.81	0.81	0.17	2.43	1.02	1.02	0.22	3.73	1.23	1.23	0.27	5.12	1.44	1.44	0.31	6.67
		17	0.6	0.6	0.13	0.97	0.81	0.81	0.17	2.44	1.02	1.02	0.22	3.73	1.23	1.23	0.27	5.12	1.44	1.44	0.31	6.67
		19	0.98	0.55	0.21	3.48	0.99	0.78	0.21	3.52	1.1	1.04	0.24	4.2	1.24	1.24	0.27	5.2	1.44	1.44	0.31	6.68
		20	1.32	0.54	0.28	5.77	1.31	0.77	0.28	5.7	1.32	0.99	0.28	5.74	1.37	1.23	0.29	6.11	1.47	1.47	0.32	6.92
	5	15	-	-	-	-	0.74	0.74	0.13	0.93	0.95	0.95	0.16	2.12	1.16	1.16	0.2	3.17	1.37	1.37	0.24	4.2
		17	-	-	-	-	0.74	0.74	0.13	0.93	0.95	0.95	0.16	2.12	1.16	1.16	0.2	3.17	1.37	1.37	0.24	4.2
		19	-	-	-	-	0.84	0.73	0.14	1.46	1	1	0.17	2.38	1.17	1.17	0.2	3.21	1.37	1.37	0.24	4.2
		20	-	-	-	-	1.09	0.69	0.19	2.84	1.13	0.93	0.2	3.03	1.25	1.19	0.22	3.59	1.39	1.39	0.24	4.3
	6	15	-	-	-	-	0.66	0.66	0.09	0.63	0.88	0.88	0.13	0.93	1.09	1.09	0.16	1.91	1.31	1.31	0.19	2.81
		17	-	-	-	-	0.66	0.66	0.09	0.63	0.88	0.88	0.13	0.93	1.09	1.09	0.16	1.91	1.31	1.31	0.19	2.81
		19	-	-	-	-	0.72	0.69	0.1	0.69	0.91	0.91	0.13	1.03	1.1	1.1	0.16	1.93	1.31	1.31	0.19	2.81
		20	-	-	-	-	0.87	0.61	0.12	0.9	1	0.88	0.14	1.43	1.15	1.15	0.17	2.19	1.32	1.32	0.19	2.86
15	3	15	-	-	-	-	0.66	0.66	0.19	2.87	0.87	0.87	0.25	4.61	1.09	1.09	0.31	6.66	1.29	1.29	0.37	8.99
		17	-	-	-	-	0.66	0.66	0.19	2.87	0.87	0.87	0.25	4.62	1.09	1.09	0.31	6.66	1.29	1.29	0.37	8.99
		19	-	-	-	-	0.7	0.68	0.2	3.18	0.88	0.88	0.25	4.65	1.09	1.09	0.31	6.66	1.29	1.29	0.37	9
		20	-	-	-	-	0.93	0.64	0.27	5.11	0.97	0.87	0.28	5.51	1.11	1.11	0.32	6.9	1.29	1.29	0.37	9
	4	15	-	-	-	-	0.59	0.59	0.13	0.96	0.81	0.81	0.17	2.43	1.02	1.02	0.22	3.66	1.23	1.23	0.26	5.02
		17	-	-	-	-	0.59	0.59	0.13	0.96	0.81	0.81	0.17	2.43	1.02	1.02	0.22	3.66	1.23	1.23	0.26	5.02
		19	-	-	-	-	0.61	0.61	0.13	1.08	0.81	0.81	0.17	2.44	1.02	1.02	0.22	3.66	1.23	1.23	0.26	5.02
		20	-	-	-	-	0.73	0.57	0.16	1.93	0.86	0.84	0.19	2.74	1.03	1.03	0.22	3.73	1.23	1.23	0.26	5.02
	5	15	-	-	-	-	-	-	-	-	0.73	0.73	0.13	0.97	0.95	0.95	0.16	2.16	1.16	1.16	0.2	3.12
		17	-	-	-	-	-	-	-	-	0.73	0.73	0.13	0.97	0.95	0.95	0.16	2.16	1.16	1.16	0.2	3.12
		19	-	-	-	-	-	-	-	-	0.73	0.73	0.13	0.97	0.95	0.95	0.16	2.16	1.16	1.16	0.2	3.12
		20	-	-	-	-	-	-	-	-	0.77	0.77	0.13	1.13	0.96	0.96	0.16	2.19	1.16	1.16	0.2	3.12
	6	15	-	-	-	-	-	-	-	-	0.66	0.66	0.09	0.6	0.88	0.88	0.13	0.98	1.09	1.09	0.16	1.96
		17	-	-	-	-	-	-	-	-	0.66	0.66	0.09	0.6	0.88	0.88	0.13	0.98	1.09	1.09	0.16	1.96
		19	-	-	-	-	-	-	-	-	0.66	0.66	0.09	0.6	0.88	0.88	0.13	0.98	1.09	1.09	0.16	1.96
		20	-	-	-	-	-	-	-	-	0.68	0.68	0.1	0.61	0.88	0.88	0.13	1	1.09	1.09	0.16	1.96

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)

(none)																							
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	2.51	1.95	0.72	29.11	2.5	2.24	0.72	28.84	2.54	2.54	0.73	29.77	2.81	2.81	0.8	35.31	3.08	3.08	0.88	41.4	
		17	3.27	1.9	0.94	45.97	3.25	2.19	0.93	45.57	3.23	2.48	0.92	44.97	3.11	2.73	0.89	42.29	3.13	3.03	0.9	42.74	
		19	4.09	1.85	1.17	67.99	4.06	2.14	1.17	67.4	4.04	2.43	1.16	66.81	3.99	2.71	1.15	65.17	3.88	2.95	1.11	62.04	
		20	4.51	1.82	1.3	81.1	4.5	2.11	1.29	80.52	4.47	2.41	1.29	79.83	4.44	2.69	1.28	78.68	4.35	2.95	1.25	75.81	
	4	15	2.32	1.86	0.5	15.38	2.32	2.16	0.5	15.42	2.45	2.45	0.53	16.92	2.72	2.72	0.58	20.22	2.99	2.99	0.64	23.79	
		17	3.07	1.81	0.66	24.95	3.06	2.1	0.66	24.75	3.04	2.4	0.65	24.47	2.95	2.65	0.63	23.3	3.02	2.98	0.65	24.25	
		19	3.89	1.76	0.84	37.56	3.87	2.05	0.83	37.23	3.85	2.35	0.83	36.91	3.81	2.63	0.82	36.18	3.68	2.87	0.79	34.12	
		20	4.32	1.73	0.93	45.05	4.3	2.03	0.92	44.74	4.28	2.32	0.92	44.36	4.25	2.61	0.91	43.81	4.15	2.86	0.89	42.05	
	5	15	2.12	1.77	0.36	8.95	2.18	2.1	0.37	9.43	2.36	2.36	0.4	10.77	2.63	2.63	0.45	12.97	2.9	2.9	0.5	15.33	
		17	2.87	1.72	0.49	15.04	2.86	2.02	0.49	14.94	2.84	2.31	0.49	14.79	2.79	2.58	0.48	14.35	2.92	2.92	0.5	15.51	
		19	3.69	1.67	0.63	23.19	3.67	1.96	0.63	22.97	3.65	2.26	0.63	22.78	3.62	2.54	0.62	22.4	3.5	2.79	0.6	21.13	
		20	4.12	1.64	0.71	28.02	4.1	1.94	0.7	27.83	4.08	2.23	0.7	27.59	4.05	2.52	0.7	27.28	3.96	2.78	0.68	26.25	
	6	15	1.93	1.68	0.28	5.57	2.06	2.04	0.29	6.25	2.27	2.27	0.32	7.36	2.54	2.54	0.36	8.92	2.81	2.81	0.4	10.6	
		17	2.66	1.62	0.38	9.61	2.65	1.92	0.38	9.56	2.64	2.22	0.38	9.49	2.66	2.52	0.38	9.62	2.82	2.82	0.4	10.68	
		19	3.48	1.58	0.5	15.27	3.46	1.87	0.5	15.12	3.45	2.17	0.49	15	3.42	2.45	0.49	14.78	3.32	2.71	0.47	14.05	
		20	3.91	1.55	0.56	18.63	3.89	1.85	0.56	18.51	3.87	2.14	0.55	18.34	3.85	2.43	0.55	18.16	3.78	2.7	0.54	17.56	
7	3	15	1.94	1.69	0.56	18.33	2.02	2.02	0.58	19.63	2.26	2.26	0.65	23.86	2.53	2.53	0.73	29.07	2.8	2.8	0.8	34.67	
		17	2.68	1.64	0.77	32.13	2.67	1.93	0.77	31.89	2.66	2.23	0.76	31.58	2.62	2.51	0.75	30.93	2.8	2.8	0.8	34.69	
		19	3.5	1.59	1	51.08	3.48	1.88	1	50.56	3.46	2.18	0.99	50.11	3.43	2.46	0.99	49.42	3.3	2.7	0.95	46.11	
		20	3.92	1.56	1.13	62.47	3.91	1.85	1.12	62.03	3.89	2.15	1.12	61.46	3.87	2.44	1.11	60.83	3.77	2.69	1.08	58.16	
	4	15	1.76	1.61	0.38	9.41	1.91	1.91	0.41	10.89	2.17	2.17	0.47	13.51	2.44	2.44	0.52	16.56	2.71	2.71	0.58	19.85	
		17	2.47	1.55	0.53	16.9	2.47	1.85	0.53	16.82	2.46	2.14	0.53	16.7	2.5	2.46	0.54	17.24	2.71	2.71	0.58	19.86	
		19	3.29	1.5	0.71	27.72	3.27	1.79	0.7	27.42	3.26	2.09	0.7	27.18	3.23	2.38	0.7	26.86	3.13	2.63	0.67	25.42	
		20	3.72	1.47	0.8	34.21	3.7	1.77	0.8	33.97	3.68	2.06	0.79	33.65	3.66	2.35	0.79	33.33	3.59	2.62	0.77	32.17	
	5	15	1.61	1.55	0.28	5.56	1.81	1.81	0.31	6.78	2.08	2.08	0.36	8.55	2.35	2.35	0.4	10.56	2.63	2.63	0.45	12.73	
		17	2.25	1.45	0.39	9.77	2.25	1.76	0.39	9.78	2.27	2.06	0.39	9.93	2.39	2.39	0.41	10.85	2.63	2.63	0.45	12.74	
		19	3.08	1.41	0.53	16.72	3.06	1.7	0.53	16.52	3.04	2	0.52	16.39	2.97	2.28	0.52	19.1	2.94	2.55	0.51	15.48	
		20	3.5	1.38	0.6	20.9	3.49	1.68	0.6	20.75	3.47	1.97	0.6	20.54	3.45	2.27	0.59	20.37	3.39	2.54	0.58	19.77	
	6	15	1.49	1.49	0.21	3.51	1.72	1.72	0.25	4.52	1.99	1.99	0.28	5.79	2.26	2.26	0.32	7.22	2.54	2.54	0.36	8.76	
		17	2.01	1.35	0.29	5.88	2.03	1.66	0.29	5.98	2.12	2	0.3	6.47	2.29	2.29	0.33	7.36	2.54	2.54	0.36	8.76	
		19	2.85	1.32	0.41	10.68	2.83	1.61	0.41	10.55	2.82	1.91	0.4	10.48	2.81	2.2	0.4	10.4	2.77	2.48	0.4	10.15	
		20	3.28	1.29	0.47	13.59	3.27	1.59	0.47	13.48	3.25	1.88	0.47	13.34	3.23	2.18	0.46	13.24	3.19	2.46	0.46	12.92	
9	3	15	1.45	1.45	0.42	11.01	1.71	1.71	0.49	14.49	1.98	1.98	0.57	18.75	2.25	2.25	0.65	23.44	2.53	2.53	0.72	28.55	
		17	2.06	1.37	0.59	19.99	2.06	1.68	0.59	20.06	2.08	1.99	0.6	20.45	2.26	2.26	0.65	23.46	2.53	2.53	0.72	28.57	
		19	2.88	1.33	0.83	35.83	2.86	1.62	0.82	35.35	2.84	1.92	0.82	35.07	2.83	2.21	0.81	34.72	2.77	2.48	0.79	33.44	
		20	3.3	1.3	0.95	45.52	3.29	1.6	0.94	45.15	3.27	1.89	0.94	44.67	3.25	2.18	0.93	44.28	3.21	2.47	0.92	43.3	
	4	15	1.35	1.35	0.29	5.92	1.62	1.62	0.35	8.04	1.89	1.89	0.41	10.53	2.17	2.17	0.47	13.27	2.44	2.44	0.52	16.27	
		17	1.82	1.28	0.39	9.88	1.85	1.59	0.4	10.08	1.95	1.93	0.42	11.11	2.17	2.17	0.47	13.28	2.44	2.44	0.52	16.28	
		19	2.66	1.24	0.57	18.85	2.64	1.53	0.57	18.58	2.63	1.83	0.56	18.48	2.61	2.13	0.56	18.34	2.59	2.41	0.56	18.09	
		20	3.08	1.21	0.66	24.39	3.07	1.51	0.66	24.15	3.05	1.8	0.66	23.9	3.03	2.1	0.65	23.72	3	2.38	0.65	23.26	
	5	15	1.25	1.25	0.21	3.53	1.52	1.52	0.26	4.97	1.8	1.8	0.31	6.6	2.08	2.08	0.36	8.4	2.35	2.35	0.4	10.37	
		17	1.59	1.19	0.27	5.31	1.67	1.52	0.29	5.8	1.84	1.84	0.32	6.84	2.08	2.08	0.36	8.4	2.35	2.35	0.4	10.38	
		19	2.42	1.14	0.42	10.86	2.4	1.44	0.41	10.72	2.4	1.74	0.41	10.72	2.4	2.04	0.41	10.71	2.46	2.36	0.42	11.2	
		20	2.86	1.12	0.49	14.48	2.84	1.42	0.49	14.29	2.82	1.72	0.48	14.15	2.81	2.01	0.48	14.08	2.78	2.3	0.48	13.85	
	6	15	1.15	1.15	0.16	1.89	1.43	1.43	0.2	3.24	1.71	1.71	0.24	4.41	1.99	1.99	0.28	5.69	2.26	2.26	0.32	7.09	
		17	1.36	1.1	0.2	2.95	1.53	1.46	0.22	3.64	1.73	1.73	0.25	4.52	1.99	1.99	0.28	5.69	2.26	2.26	0.32	7.09	
		19	2.16	1.05	0.31	6.55	2.14	1.34	0.31	6.46	2.15	1.65	0.31	6.51	2.21	1.97	0.32	6.81	2.34	2.32	0.34	7.51	
		20	2.61	1.03	0.37	9.03	2.58	1.32	0.37	8.88	2.57	1.62	0.37	8.83	2.57	1.92	0.37	8.83	2.57	2.22	0.37	8.82	

(Continued)

(none)																							
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	1.15	1.15	0.33	7.23	1.43	1.43	0.41	10.5	1.7	1.7	0.49	14.23	1.98	1.98	0.57	18.42	2.25	2.25	0.65	23.04	
		17	1.4	1.11	0.4	10.12	1.49	1.45	0.43	11.31	1.7	1.7	0.49	14.24	1.98	1.98	0.57	18.43	2.25	2.25	0.65	23.05	
		19	2.21	1.06	0.63	22.28	2.19	1.36	0.63	21.98	2.19	1.66	0.63	22.03	2.19	1.96	0.63	22.01	2.28	2.28	0.65	23.58	
		20	2.65	1.04	0.76	30.52	2.62	1.34	0.75	30.05	2.61	1.64	0.75	29.74	2.6	1.93	0.75	29.61	2.58	2.22	0.74	29.16	
	4	15	1.05	1.05	0.23	3.83	1.33	1.33	0.29	5.72	1.61	1.61	0.35	7.9	1.89	1.89	0.41	10.34	2.16	2.16	0.47	13.04	
		17	1.19	1.03	0.26	4.71	1.37	1.37	0.29	5.98	1.61	1.61	0.35	7.9	1.89	1.89	0.41	10.35	2.16	2.16	0.47	13.05	
		19	1.96	0.97	0.42	11.02	1.94	1.27	0.42	10.84	1.96	1.58	0.42	11.01	2.02	1.9	0.43	11.6	2.18	2.18	0.47	13.22	
		20	2.4	0.95	0.52	15.64	2.38	1.25	0.51	15.34	2.37	1.55	0.51	15.27	2.37	1.85	0.51	15.29	2.37	2.14	0.51	15.28	
	5	15	0.96	0.96	0.16	1.98	1.24	1.24	0.21	3.45	1.52	1.52	0.26	4.88	1.8	1.8	0.31	6.48	2.07	2.07	0.36	8.26	
		17	1.04	0.98	0.18	2.46	1.26	1.26	0.22	3.55	1.52	1.52	0.26	4.88	1.8	1.8	0.31	6.48	2.07	2.07	0.36	8.26	
		19	1.69	0.87	0.29	5.84	1.7	1.18	0.29	5.85	1.74	1.5	0.3	6.13	1.88	1.85	0.32	7.01	2.08	2.08	0.36	8.32	
		20	2.15	0.86	0.37	8.75	2.12	1.15	0.36	8.55	2.12	1.45	0.36	8.53	2.14	1.76	0.37	8.67	2.21	2.09	0.38	9.23	
	6	15	0.85	0.85	0.12	0.84	1.14	1.14	0.16	1.99	1.43	1.43	0.2	3.2	1.71	1.71	0.24	4.34	1.98	1.98	0.28	5.59	
		17	0.9	0.9	0.13	0.93	1.16	1.16	0.17	2.05	1.43	1.43	0.2	3.2	1.71	1.71	0.25	4.34	1.98	1.98	0.28	5.6	
		19	1.42	0.78	0.2	3.16	1.43	1.09	0.21	3.22	1.58	1.44	0.23	3.78	1.77	1.77	0.25	4.59	1.99	1.99	0.29	5.62	
		20	2.1	0.84	0.3	6.16	1.84	1.06	0.26	4.93	1.84	1.36	0.26	4.93	1.94	1.69	0.28	5.37	2.08	2.04	0.3	6.07	
13	3	15	0.86	0.86	0.25	4.4	1.14	1.14	0.33	7.11	1.42	1.42	0.41	10.32	1.7	1.7	0.49	13.99	1.97	1.97	0.57	18.11	
		17	0.89	0.89	0.25	4.6	1.14	1.14	0.33	7.11	1.42	1.42	0.41	10.32	1.7	1.7	0.49	14	1.97	1.97	0.57	18.12	
		19	1.49	0.8	0.43	11.09	1.49	1.11	0.43	11.16	1.54	1.43	0.44	11.85	1.72	1.72	0.49	14.22	1.97	1.97	0.57	18.13	
		20	1.93	0.78	0.55	17.44	1.9	1.07	0.55	16.93	1.9	1.38	0.55	16.98	1.93	1.69	0.55	17.35	2.02	2.02	0.58	18.87	
	4	15	0.77	0.77	0.16	2.07	1.05	1.05	0.23	3.77	1.33	1.33	0.29	5.63	1.61	1.61	0.35	7.76	1.89	1.89	0.41	10.17	
		17	0.78	0.78	0.17	2.14	1.05	1.05	0.23	3.77	1.33	1.33	0.29	5.63	1.61	1.61	0.35	7.77	1.89	1.89	0.41	10.17	
		19	1.24	0.71	0.27	4.95	1.25	1.02	0.27	5.03	1.4	1.38	0.3	6.12	1.62	1.62	0.35	7.83	1.89	1.89	0.41	10.18	
		20	1.92	0.78	0.41	10.51	1.64	0.99	0.35	8.02	1.64	1.29	0.35	8.03	1.75	1.62	0.38	8.9	1.91	1.91	0.41	10.42	
	5	15	-	-	-	-	0.96	0.96	0.16	2.07	1.24	1.24	0.21	3.4	1.52	1.52	0.26	4.8	1.8	1.8	0.31	6.37	
		17	-	-	-	-	0.96	0.96	0.16	2.07	1.24	1.24	0.21	3.4	1.52	1.52	0.26	4.8	1.8	1.8	0.31	6.37	
		19	-	-	-	-	1.07	0.96	0.18	2.63	1.28	1.28	0.22	3.59	1.52	1.52	0.26	4.82	1.8	1.8	0.31	6.38	
		20	-	-	-	-	1.37	0.89	0.24	4	1.43	1.22	0.25	4.32	1.61	1.57	0.28	5.26	1.81	1.81	0.31	6.47	
	6	15	-	-	-	-	0.85	0.85	0.12	0.83	1.14	1.14	0.16	2.06	1.43	1.43	0.2	3.15	1.71	1.71	0.24	4.27	
		17	-	-	-	-	0.85	0.85	0.12	0.83	1.14	1.14	0.16	2.06	1.43	1.43	0.2	3.15	1.71	1.71	0.24	4.27	
		19	-	-	-	-	0.92	0.91	0.13	1.05	1.17	1.17	0.17	2.17	1.43	1.43	0.21	3.16	1.71	1.71	0.25	4.27	
		20	-	-	-	-	1.09	0.8	0.16	1.82	1.27	1.16	0.18	2.55	1.48	1.48	0.21	3.36	1.72	1.72	0.25	4.31	
15	3	15	-	-	-	-	0.86	0.86	0.25	4.33	1.14	1.14	0.33	6.99	1.42	1.42	0.41	10.15	1.7	1.7	0.49	13.76	
		17	-	-	-	-	0.86	0.86	0.25	4.33	1.14	1.14	0.33	6.99	1.42	1.42	0.41	10.15	1.7	1.7	0.49	13.77	
		19	-	-	-	-	0.9	0.9	0.26	4.7	1.14	1.14	0.33	7	1.42	1.42	0.41	10.15	1.7	1.7	0.49	13.77	
		20	-	-	-	-	1.17	0.83	0.34	7.26	1.23	1.15	0.35	7.95	1.44	1.44	0.41	10.33	1.7	1.7	0.49	13.77	
	4	15	-	-	-	-	0.77	0.77	0.17	2.11	1.05	1.05	0.23	3.71	1.33	1.33	0.29	5.53	1.61	1.61	0.35	7.64	
		17	-	-	-	-	0.77	0.77	0.17	2.11	1.05	1.05	0.23	3.71	1.33	1.33	0.29	5.53	1.61	1.61	0.35	7.64	
		19	-	-	-	-	0.79	0.79	0.17	2.23	1.05	1.05	0.23	3.71	1.33	1.33	0.29	5.54	1.61	1.61	0.35	7.64	
		20	-	-	-	-	0.92	0.74	0.2	2.96	1.1	1.1	0.24	4	1.34	1.34	0.29	5.58	1.61	1.61	0.35	7.64	
	5	15	-	-	-	-	-	-	-	-	0.96	0.96	0.16	2.1	1.24	1.24	0.21	3.34	1.52	1.52	0.26	4.72	
		17	-	-	-	-	-	-	-	-	0.96	0.96	0.16	2.1	1.24	1.24	0.21	3.35	1.52	1.52	0.26	4.72	
		19	-	-	-	-	-	-	-	-	0.96	0.96	0.16	2.1	1.24	1.24	0.21	3.35	1.52	1.52	0.26	4.72	
		20	-	-	-	-	-	-	-	-	0.98	0.98	0.17	2.23	1.24	1.24	0.21	3.36	1.52	1.52	0.26	4.72	
	6	15	-	-	-	-	-	-	-	-	0.85	0.85	0.12	0.86	1.14	1.14	0.16	2.09	1.43	1.43	0.2	3.1	
		17	-	-	-	-	-	-	-	-	0.85	0.85	0.12	0.87	1.14	1.14	0.16	2.09	1.43	1.43	0.2	3.1	
		19	-	-	-	-	-	-	-	-	0.85	0.85	0.12	0.87	1.14	1.14	0.16	2.09	1.43	1.43	0.21	3.11	
		20	-	-	-	-	-	-	-	-	0.87	0.87	0.12	0.92	1.15	1.15	0.16	2.1	1.43	1.43	0.21	3.11	

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)

MUC-11-W7																							
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	
℃	℃	℃	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	2.64	2.06	0.76	31.79	2.63	2.37	0.75	31.52	2.7	2.7	0.77	32.9	2.97	2.97	0.85	38.9	3.25	3.25	0.93	45.63	
		17	3.44	2	0.99	50.24	3.42	2.31	0.98	49.82	3.4	2.62	0.98	49.3	3.3	2.89	0.95	46.71	3.3	3.21	0.95	46.84	
		19	4.3	1.94	1.24	74.4	4.28	2.26	1.23	73.75	4.26	2.57	1.22	73.12	4.21	2.86	1.21	71.62	4.08	3.12	1.17	67.89	
		20	4.75	1.91	1.37	88.77	4.73	2.23	1.36	88.15	4.71	2.54	1.35	87.39	4.68	2.84	1.35	86.3	4.58	3.11	1.32	83.19	
	4	15	2.44	1.96	0.52	16.76	2.45	2.29	0.52	16.85	2.6	2.6	0.56	18.67	2.87	2.87	0.62	22.24	3.16	3.16	0.68	26.19	
		17	3.23	1.91	0.69	27.23	3.22	2.22	0.69	27.01	3.2	2.53	0.69	26.75	3.12	2.81	0.67	25.63	3.19	3.16	0.68	26.59	
		19	4.09	1.85	0.88	41.03	4.07	2.16	0.87	40.66	4.05	2.47	0.87	40.32	4.01	2.78	0.86	39.65	3.88	3.03	0.83	37.33	
		20	4.54	1.82	0.98	49.22	4.53	2.13	0.97	48.89	4.5	2.44	0.97	48.47	4.48	2.75	0.96	47.94	4.38	3.02	0.94	46.09	
	5	15	2.22	1.87	0.38	9.73	2.3	2.22	0.39	10.31	2.5	2.5	0.43	11.87	2.78	2.78	0.48	14.26	3.07	3.07	0.53	16.86	
		17	3.02	1.81	0.52	16.39	3	2.13	0.52	16.27	2.99	2.44	0.51	16.14	2.95	2.74	0.51	15.76	3.08	3.08	0.53	17.02	
		19	3.88	1.76	0.67	25.3	3.86	2.07	0.66	25.06	3.84	2.38	0.66	24.85	3.81	2.69	0.65	24.49	3.69	2.95	0.63	23.23	
		20	4.33	1.72	0.74	30.58	4.31	2.04	0.74	30.38	4.29	2.35	0.74	30.11	4.27	2.66	0.73	29.81	4.18	2.94	0.72	28.81	
	6	15	2.03	1.78	0.29	6.07	2.17	2.16	0.31	6.83	2.4	2.4	0.34	8.09	2.68	2.68	0.38	9.8	2.97	2.97	0.43	11.65	
		17	2.79	1.71	0.4	10.45	2.78	2.03	0.4	10.4	2.77	2.34	0.4	10.34	2.81	2.67	0.4	10.57	2.98	2.98	0.43	11.72	
		19	3.66	1.66	0.52	16.64	3.64	1.97	0.52	16.47	3.62	2.29	0.52	16.34	3.6	2.59	0.51	16.13	3.5	2.87	0.5	15.41	
		20	4.11	1.63	0.59	20.31	4.1	1.95	0.59	20.18	4.07	2.26	0.58	20	4.05	2.57	0.58	19.81	3.98	2.85	0.57	19.24	
7	3	15	2.04	1.78	0.58	19.97	2.13	2.13	0.61	21.53	2.39	2.39	0.68	26.27	2.68	2.68	0.77	32.01	2.96	2.96	0.85	38.21	
		17	2.82	1.73	0.81	35.06	2.81	2.04	0.81	34.81	2.79	2.35	0.8	34.5	2.78	2.66	0.8	34.13	2.96	2.96	0.85	38.23	
		19	3.68	1.67	1.06	55.83	3.66	1.98	1.05	55.25	3.64	2.3	1.05	54.75	3.62	2.6	1.04	54.16	3.5	2.87	1	51	
		20	4.13	1.64	1.19	68.29	4.11	1.95	1.18	67.83	4.09	2.26	1.18	67.18	4.07	2.57	1.17	66.57	3.98	2.85	1.14	64.12	
	4	15	1.85	1.7	0.4	10.26	2.02	2.02	0.43	11.94	2.29	2.29	0.49	14.86	2.58	2.58	0.55	18.22	2.87	2.87	0.62	21.85	
		17	2.6	1.63	0.56	18.41	2.59	1.95	0.56	18.33	2.58	2.26	0.55	18.21	2.65	2.61	0.57	19	2.87	2.87	0.62	21.86	
		19	3.46	1.58	0.74	30.25	3.44	1.89	0.74	29.91	3.42	2.2	0.74	29.65	3.4	2.51	0.73	29.37	3.31	2.79	0.71	27.99	
		20	3.91	1.54	0.84	37.34	3.89	1.86	0.84	37.08	3.87	2.17	0.83	36.72	3.85	2.48	0.83	36.41	3.79	2.77	0.81	35.35	
	5	15	1.7	1.64	0.29	6.06	1.91	1.91	0.33	7.43	2.2	2.2	0.38	9.4	2.49	2.49	0.43	11.61	2.78	2.78	0.48	14	
		17	2.36	1.53	0.41	10.61	2.36	1.85	0.41	10.63	2.39	2.18	0.41	10.84	2.53	2.53	0.43	11.95	2.78	2.78	0.48	14.01	
		19	3.24	1.48	0.56	18.22	3.21	1.8	0.55	18	3.2	2.11	0.55	17.86	3.25	2.48	0.59	23.2	3.11	2.71	0.53	17	
		20	3.68	1.45	0.63	22.78	3.67	1.77	0.63	22.62	3.65	2.08	0.63	22.39	3.63	2.39	0.62	22.21	3.58	2.69	0.62	21.67	
	6	15	1.57	1.57	0.22	3.86	1.81	1.81	0.26	4.95	2.1	2.1	0.3	6.36	2.39	2.39	0.34	7.93	2.68	2.68	0.38	9.63	
		17	2.11	1.43	0.3	6.38	2.13	1.76	0.3	6.49	2.24	2.12	0.32	7.07	2.42	2.42	0.35	8.09	2.68	2.68	0.38	9.63	
		19	3	1.39	0.43	11.62	2.97	1.7	0.43	11.47	2.96	2.02	0.42	11.4	2.95	2.33	0.42	11.33	2.92	2.63	0.42	11.15	
		20	3.45	1.36	0.49	14.8	3.43	1.67	0.49	14.67	3.41	1.99	0.49	14.52	3.4	2.3	0.49	14.42	3.36	2.6	0.48	14.12	
9	3	15	1.53	1.53	0.44	12.05	1.8	1.8	0.52	15.93	2.09	2.09	0.6	20.63	2.38	2.38	0.68	25.81	2.67	2.67	0.77	31.46	
		17	2.16	1.45	0.62	21.75	2.16	1.77	0.62	21.84	2.2	2.1	0.63	22.38	2.38	2.38	0.68	25.82	2.67	2.67	0.77	31.47	
		19	3.03	1.4	0.87	39.11	3	1.71	0.86	38.56	2.99	2.03	0.86	38.26	2.97	2.34	0.85	37.91	2.93	2.63	0.84	36.87	
		20	3.47	1.37	1	49.71	3.46	1.68	0.99	49.3	3.43	1.99	0.99	48.76	3.42	2.31	0.98	48.34	3.38	2.61	0.97	47.54	
	4	15	1.42	1.42	0.31	6.48	1.71	1.71	0.37	8.83	2	2	0.43	11.57	2.29	2.29	0.49	14.6	2.58	2.58	0.55	17.9	
		17	1.91	1.35	0.41	10.73	1.94	1.68	0.42	10.96	2.06	2.05	0.44	12.17	2.29	2.29	0.49	14.6	2.58	2.58	0.55	17.91	
		19	2.79	1.3	0.6	20.53	2.77	1.62	0.6	20.23	2.76	1.93	0.59	20.11	2.75	2.25	0.59	19.99	2.74	2.56	0.59	19.9	
		20	3.24	1.27	0.7	26.59	3.22	1.59	0.69	26.33	3.2	1.9	0.69	26.04	3.19	2.22	0.69	25.85	3.16	2.52	0.68	25.48	
	5	15	1.32	1.32	0.23	3.88	1.61	1.61	0.28	5.45	1.9	1.9	0.33	7.24	2.2	2.2	0.38	9.23	2.48	2.48	0.43	11.41	
		17	1.67	1.25	0.29	5.77	1.76	1.61	0.3	6.32	1.94	1.94	0.33	7.49	2.2	2.2	0.38	9.24	2.48	2.48	0.43	11.41	
		19	2.53	1.2	0.44	11.78	2.52	1.52	0.43	11.65	2.52	1.84	0.43	11.65	2.52	2.16	0.43	11.66	2.6	2.5	0.45	12.3	
		20	3	1.18	0.52	15.76	2.98	1.49	0.51	15.55	2.96	1.81	0.51	15.39	2.95	2.12	0.51	15.32	2.93	2.43	0.5	15.13	
	6	15	1.21	1.21	0.17	2.23	1.51	1.51	0.22	3.57	1.81	1.81	0.26	4.84	2.1	2.1	0.3	6.25	2.39	2.39	0.34	7.79	
		17	1.43	1.16	0.21	3.24	1.61	1.55	0.23	3.97	1.83	1.83	0.26	4.95	2.1	2.1	0.3	6.25	2.39	2.39	0.34	7.79	
		19	2.27	1.1	0.32	7.11	2.25	1.42	0.32	7.01	2.26	1.74	0.32	7.06	2.33	2.08	0.33	7.43	2.47	2.45	0.35	8.23	
		20	2.74	1.08	0.39	9.81	2.71	1.39	0.39	9.63	2.7	1.71	0.39	9.58	2.7	2.03	0.39	9.59	2.71	2.35	0.39	9.63	

(Continued)

MUC-11-W7																						
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	1.21	1.21	0.35	7.94	1.51	1.51	0.43	11.54	1.8	1.8	0.52	15.66	2.09	2.09	0.6	20.28	2.38	2.38	0.68	25.38
		17	1.47	1.18	0.42	11.01	1.57	1.53	0.45	12.36	1.8	1.8	0.52	15.66	2.09	2.09	0.6	20.29	2.38	2.38	0.68	25.39
		19	2.32	1.12	0.66	24.2	2.3	1.44	0.66	23.89	2.3	1.76	0.66	23.97	2.31	2.08	0.66	24.01	2.41	2.41	0.69	25.89
		20	2.78	1.1	0.8	33.27	2.75	1.41	0.79	32.73	2.74	1.73	0.79	32.39	2.73	2.04	0.78	32.27	2.71	2.35	0.78	31.84
	4	15	1.11	1.11	0.24	4.2	1.41	1.41	0.3	6.28	1.7	1.7	0.37	8.68	2	2	0.43	11.37	2.29	2.29	0.49	14.35
		17	1.25	1.09	0.27	5.13	1.44	1.44	0.31	6.54	1.7	1.7	0.37	8.68	2	2	0.43	11.38	2.29	2.29	0.49	14.36
		19	2.06	1.02	0.44	11.96	2.04	1.34	0.44	11.79	2.06	1.66	0.44	11.94	2.13	2.01	0.46	12.67	2.3	2.3	0.5	14.52
		20	2.53	1	0.54	17.02	2.49	1.31	0.54	16.66	2.49	1.63	0.54	16.58	2.49	1.95	0.54	16.63	2.5	2.27	0.54	16.69
	5	15	1.01	1.01	0.17	2.3	1.31	1.31	0.23	3.79	1.61	1.61	0.28	5.36	1.9	1.9	0.33	7.12	2.19	2.19	0.38	9.08
		17	1.09	1.03	0.19	2.74	1.33	1.33	0.23	3.88	1.61	1.61	0.28	5.36	1.9	1.9	0.33	7.12	2.19	2.19	0.38	9.08
		19	1.78	0.92	0.31	6.33	1.78	1.24	0.31	6.35	1.83	1.58	0.32	6.67	1.99	1.96	0.34	7.67	2.2	2.2	0.38	9.14
		20	2.25	0.9	0.39	9.5	2.22	1.21	0.38	9.28	2.22	1.53	0.38	9.24	2.24	1.86	0.39	9.42	2.33	2.21	0.4	10.09
	6	15	0.9	0.9	0.13	0.93	1.21	1.21	0.17	2.3	1.51	1.51	0.22	3.52	1.81	1.81	0.26	4.76	2.1	2.1	0.3	6.15
		17	0.95	0.95	0.14	1.07	1.22	1.22	0.17	2.35	1.51	1.51	0.22	3.52	1.81	1.81	0.26	4.77	2.1	2.1	0.3	6.15
		19	1.49	0.82	0.21	3.43	1.51	1.15	0.22	3.5	1.66	1.52	0.24	4.12	1.86	1.86	0.27	5.02	2.1	2.1	0.3	6.17
		20	2.24	0.9	0.32	6.88	1.93	1.11	0.28	5.35	1.93	1.43	0.28	5.34	2.04	1.79	0.29	5.84	2.2	2.16	0.31	6.64
13	3	15	0.91	0.91	0.26	4.83	1.21	1.21	0.35	7.81	1.5	1.5	0.43	11.34	1.8	1.8	0.52	15.4	2.09	2.09	0.6	19.94
		17	0.93	0.93	0.27	5.03	1.21	1.21	0.35	7.81	1.5	1.5	0.43	11.35	1.8	1.8	0.52	15.4	2.09	2.09	0.6	19.95
		19	1.56	0.84	0.45	12.05	1.57	1.17	0.45	12.16	1.62	1.51	0.47	12.9	1.81	1.81	0.52	15.61	2.09	2.09	0.6	19.96
		20	2.03	0.82	0.58	18.96	1.99	1.13	0.57	18.43	1.99	1.45	0.57	18.41	2.02	1.78	0.58	18.87	2.13	2.13	0.61	20.71
	4	15	0.81	0.81	0.17	2.35	1.11	1.11	0.24	4.14	1.41	1.41	0.3	6.18	1.7	1.7	0.37	8.53	1.99	1.99	0.43	11.19
		17	0.82	0.82	0.18	2.42	1.11	1.11	0.24	4.14	1.41	1.41	0.3	6.18	1.7	1.7	0.37	8.54	1.99	1.99	0.43	11.19
		19	1.3	0.75	0.28	5.37	1.31	1.08	0.28	5.48	1.48	1.46	0.32	6.68	1.71	1.71	0.37	8.59	1.99	1.99	0.43	11.19
		20	1.99	0.81	0.43	11.14	1.72	1.04	0.37	8.7	1.72	1.36	0.37	8.71	1.84	1.72	0.4	9.7	2.02	2.02	0.43	11.44
	5	15	-	-	-	-	1.01	1.01	0.17	2.34	1.31	1.31	0.23	3.73	1.61	1.61	0.28	5.27	1.9	1.9	0.33	7
		17	-	-	-	-	1.01	1.01	0.17	2.34	1.31	1.31	0.23	3.73	1.61	1.61	0.28	5.27	1.9	1.9	0.33	7
		19	-	-	-	-	1.13	1.02	0.19	2.88	1.35	1.35	0.23	3.92	1.61	1.61	0.28	5.29	1.9	1.9	0.33	7.01
		20	-	-	-	-	1.43	0.94	0.25	4.33	1.5	1.29	0.26	4.7	1.69	1.67	0.29	5.74	1.91	1.91	0.33	7.1
	6	15	-	-	-	-	0.9	0.9	0.13	0.97	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.46	1.8	1.8	0.26	4.69
		17	-	-	-	-	0.9	0.9	0.13	0.97	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.46	1.8	1.8	0.26	4.69
		19	-	-	-	-	0.97	0.96	0.14	1.25	1.23	1.23	0.18	2.42	1.51	1.51	0.22	3.47	1.8	1.8	0.26	4.69
		20	-	-	-	-	1.14	0.84	0.16	2.07	1.33	1.23	0.19	2.79	1.56	1.56	0.22	3.68	1.81	1.81	0.26	4.73
15	3	15	-	-	-	-	0.91	0.91	0.26	4.75	1.21	1.21	0.35	7.68	1.5	1.5	0.43	11.16	1.79	1.79	0.52	15.15
		17	-	-	-	-	0.91	0.91	0.26	4.75	1.21	1.21	0.35	7.68	1.5	1.5	0.43	11.16	1.79	1.79	0.52	15.15
		19	-	-	-	-	0.95	0.95	0.27	5.14	1.21	1.21	0.35	7.69	1.5	1.5	0.43	11.17	1.79	1.79	0.52	15.16
		20	-	-	-	-	1.23	0.87	0.35	7.9	1.3	1.22	0.37	8.68	1.52	1.52	0.44	11.33	1.79	1.79	0.52	15.16
	4	15	-	-	-	-	0.81	0.81	0.17	2.36	1.11	1.11	0.24	4.07	1.41	1.41	0.3	6.08	1.7	1.7	0.37	8.4
		17	-	-	-	-	0.81	0.81	0.17	2.36	1.11	1.11	0.24	4.07	1.41	1.41	0.3	6.08	1.7	1.7	0.37	8.4
		19	-	-	-	-	0.83	0.83	0.18	2.47	1.11	1.11	0.24	4.07	1.41	1.41	0.3	6.08	1.7	1.7	0.37	8.4
		20	-	-	-	-	0.97	0.79	0.21	3.22	1.16	1.16	0.25	4.37	1.41	1.41	0.3	6.12	1.7	1.7	0.37	8.4
	5	15	-	-	-	-	-	-	-	-	1.01	1.01	0.17	2.34	1.31	1.31	0.23	3.67	1.6	1.6	0.28	5.18
		17	-	-	-	-	-	-	-	-	1.01	1.01	0.17	2.34	1.31	1.31	0.23	3.67	1.61	1.61	0.28	5.18
		19	-	-	-	-	-	-	-	-	1.01	1.01	0.17	2.34	1.31	1.31	0.23	3.67	1.61	1.61	0.28	5.19
		20	-	-	-	-	-	-	-	-	1.04	1.04	0.18	2.46	1.31	1.31	0.23	3.68	1.61	1.61	0.28	5.19
	6	15	-	-	-	-	-	-	-	-	0.9	0.9	0.13	1.04	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.41
		17	-	-	-	-	-	-	-	-	0.9	0.9	0.13	1.04	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.41
		19	-	-	-	-	-	-	-	-	0.9	0.9	0.13	1.04	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.41
		20	-	-	-	-	-	-	-	-	0.92	0.92	0.13	1.1	1.21	1.21	0.17	2.33	1.51	1.51	0.22	3.41

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)

MUC-16-W7																						
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	3.71	2.8	1.06	36.98	3.62	3.17	1.04	35.49	3.66	3.6	1.05	36.17	3.99	3.99	1.14	42.13	4.37	4.37	1.25	49.24
		17	4.81	2.76	1.38	58.16	4.76	3.15	1.37	57.24	4.61	3.5	1.32	54.09	4.59	3.89	1.32	53.63	4.65	4.32	1.33	54.81
		19	5.99	2.71	1.72	85.68	5.96	3.12	1.71	84.84	5.9	3.5	1.7	83.28	5.78	3.86	1.66	80.28	5.77	4.26	1.66	80.14
		20	6.62	2.69	1.91	102.1	6.58	3.09	1.9	101.1	6.54	3.49	1.88	100.0	6.46	3.86	1.86	97.76	6.38	4.24	1.84	95.69
	4	15	3.44	2.68	0.74	19.74	3.38	3.06	0.73	19.13	3.52	3.52	0.76	20.53	3.88	3.88	0.83	24.21	4.25	4.25	0.91	28.39
		17	4.54	2.64	0.98	31.83	4.51	3.04	0.97	31.39	4.37	3.38	0.94	29.72	4.31	3.77	0.93	29.05	4.43	4.23	0.95	30.5
		19	5.73	2.59	1.23	47.61	5.7	3	1.22	47.15	5.64	3.38	1.21	46.31	5.51	3.74	1.18	44.41	5.48	4.13	1.18	44.1
		20	6.36	2.57	1.37	57.07	6.33	2.97	1.36	56.53	6.28	3.37	1.35	55.88	6.19	3.74	1.33	54.5	6.1	4.11	1.31	53
	5	15	3.16	2.55	0.54	11.63	3.17	2.97	0.54	11.7	3.39	3.39	0.58	13.09	3.76	3.76	0.64	15.59	4.13	4.13	0.71	18.36
		17	4.27	2.51	0.73	19.38	4.24	2.91	0.73	19.14	4.13	3.28	0.71	18.29	4.06	3.65	0.7	17.79	4.26	4.15	0.73	19.33
		19	5.46	2.47	0.94	29.6	5.43	2.87	0.93	29.32	5.38	3.27	0.92	28.86	5.23	3.61	0.9	27.49	5.19	4	0.89	27.11
		20	6.09	2.44	1.05	35.73	6.06	2.85	1.04	35.4	6.02	3.25	1.03	35.02	5.92	3.62	1.02	34.07	5.8	3.98	1	32.89
	6	15	2.88	2.42	0.41	7.24	3	2.89	0.43	7.76	3.26	3.26	0.47	8.96	3.64	3.64	0.52	10.76	4.01	4.01	0.57	12.74
		17	3.98	2.38	0.57	12.52	3.95	2.79	0.57	12.39	3.86	3.16	0.55	11.91	3.86	3.56	0.55	11.9	4.11	4.08	0.59	13.24
		19	5.18	2.34	0.74	19.65	5.15	2.75	0.74	19.46	5.1	3.14	0.73	19.18	4.96	3.49	0.71	18.28	4.88	3.86	0.7	17.77
		20	5.8	2.32	0.83	23.93	5.78	2.73	0.83	23.72	5.74	3.13	0.82	23.47	5.65	3.5	0.81	22.83	5.5	3.84	0.79	21.83
7	3	15	2.88	2.42	0.82	23.55	2.92	2.86	0.84	24.13	3.22	3.22	0.92	28.6	3.6	3.6	1.03	34.7	3.98	3.98	1.14	41.24
		17	3.97	2.38	1.14	41.04	3.94	2.78	1.13	40.6	3.84	3.15	1.1	38.79	3.75	3.52	1.08	37.26	4	4	1.15	41.61
		19	5.15	2.33	1.48	64.77	5.12	2.74	1.47	64.1	5.08	3.13	1.46	63.07	4.91	3.47	1.41	59.54	4.86	3.85	1.4	58.36
		20	5.78	2.3	1.66	79.21	5.75	2.71	1.65	78.45	5.71	3.11	1.64	77.55	5.61	3.48	1.61	75.11	5.47	3.83	1.57	71.84
	4	15	2.61	2.3	0.56	12.08	2.77	2.77	0.59	13.38	3.1	3.1	0.67	16.27	3.48	3.48	0.75	19.85	3.86	3.86	0.83	23.7
		17	3.68	2.25	0.79	21.85	3.66	2.66	0.79	21.64	3.59	3.04	0.77	20.85	3.58	3.44	0.77	20.8	3.87	3.87	0.83	23.82
		19	4.87	2.21	1.05	35.4	4.84	2.62	1.04	35.04	4.81	3.01	1.03	34.55	4.65	3.36	1	32.66	4.56	3.73	0.98	31.53
		20	5.5	2.18	1.18	43.66	5.47	2.59	1.18	43.25	5.43	2.99	1.17	42.78	5.34	3.37	1.15	41.46	5.17	3.7	1.11	39.27
	5	15	2.39	2.21	0.41	7.09	2.63	2.63	0.45	8.34	2.98	2.98	0.51	10.34	3.36	3.36	0.58	12.71	3.74	3.74	0.64	15.25
		17	3.38	2.12	0.58	12.82	3.37	2.53	0.58	12.74	3.32	2.93	0.57	12.43	3.43	3.38	0.59	13.13	3.75	3.75	0.64	15.3
		19	4.58	2.08	0.79	21.54	4.55	2.49	0.78	21.32	4.52	2.89	0.78	21.05	4.57	3.24	0.81	25.52	4.25	3.6	0.73	18.96
		20	5.21	2.06	0.9	26.87	5.18	2.47	0.89	26.63	5.15	2.87	0.89	26.35	5.07	3.25	0.87	25.66	4.87	3.58	0.84	23.98
	6	15	2.2	2.13	0.31	4.45	2.49	2.49	0.36	5.57	2.86	2.86	0.41	7.04	3.24	3.24	0.46	8.72	3.62	3.62	0.52	10.53
		17	3.06	1.99	0.44	7.88	3.06	2.4	0.44	7.88	3.11	2.83	0.44	8.09	3.29	3.29	0.47	8.93	3.63	3.63	0.52	10.55
		19	4.27	1.95	0.61	13.91	4.24	2.36	0.61	13.77	4.22	2.77	0.6	13.62	4.12	3.14	0.59	13.08	4	3.49	0.57	12.43
		20	4.9	1.93	0.7	17.62	4.87	2.34	0.7	17.46	4.85	2.75	0.69	17.28	4.78	3.13	0.68	16.89	4.59	3.46	0.66	15.73
9	3	15	2.12	2.1	0.61	13.73	2.44	2.44	0.7	17.46	2.83	2.83	0.81	22.49	3.21	3.21	0.92	28.01	3.59	3.59	1.03	33.98
		17	3.08	1.99	0.88	26	3.07	2.41	0.88	25.85	3.04	2.81	0.87	25.48	3.21	3.21	0.92	28.03	3.59	3.59	1.03	34.01
		19	4.26	1.95	1.22	45.78	4.23	2.36	1.22	45.26	4.21	2.76	1.21	44.77	4.09	3.13	1.18	42.7	3.92	3.46	1.12	39.53
		20	4.88	1.92	1.4	58.11	4.85	2.33	1.4	57.54	4.83	2.74	1.39	56.94	4.75	3.12	1.37	55.41	4.53	3.44	1.3	51.02
	4	15	1.97	1.97	0.42	7.37	2.32	2.32	0.5	9.74	2.71	2.71	0.58	12.69	3.09	3.09	0.66	15.93	3.47	3.47	0.75	19.44
		17	2.76	1.87	0.59	13.14	2.77	2.28	0.59	13.17	2.84	2.73	0.61	13.78	3.09	3.09	0.66	15.94	3.47	3.47	0.75	19.45
		19	3.96	1.83	0.85	24.34	3.93	2.24	0.85	24.07	3.91	2.64	0.84	23.84	3.82	3.02	0.82	22.93	3.68	3.37	0.79	21.5
		20	4.58	1.8	0.99	31.37	4.56	2.21	0.98	31.06	4.53	2.62	0.97	30.74	4.47	3.01	0.96	30.07	4.26	3.33	0.92	27.62
	5	15	1.82	1.82	0.31	4.39	2.19	2.19	0.38	6.05	2.58	2.58	0.44	7.99	2.97	2.97	0.51	10.13	3.35	3.35	0.58	12.44
		17	2.42	1.73	0.42	7.14	2.49	2.17	0.43	7.49	2.68	2.66	0.46	8.47	2.97	2.97	0.51	10.13	3.35	3.35	0.58	12.45
		19	3.63	1.7	0.62	14.26	3.61	2.11	0.62	14.11	3.6	2.52	0.62	14.02	3.53	2.9	0.61	13.56	3.5	3.29	0.6	13.38
		20	4.27	1.68	0.73	18.79	4.24	2.09	0.73	18.59	4.22	2.49	0.73	18.42	4.17	2.89	0.72	18.07	4	3.23	0.69	16.8
	6	15	1.68	1.68	0.24	2.26	2.06	2.06	0.3	3.94	2.46	2.46	0.35	5.37	2.85	2.85	0.41	6.89	3.23	3.23	0.46	8.54
		17	2.07	1.59	0.3	3.94	2.27	2.09	0.33	4.67	2.52	2.52	0.36	5.61	2.85	2.85	0.41	6.9	3.23	3.23	0.46	8.54
		19	3.28	1.56	0.47	8.71	3.26	1.97	0.47	8.66	3.26	2.39	0.47	8.66	3.25	2.79	0.47	8.6	3.34	3.23	0.48	9.01
		20	3.93	1.55	0.56	11.89	3.9	1.96	0.56	11.74	3.88	2.37	0.56	11.66	3.85	2.76	0.55	11.48	3.72	3.12	0.53	10.83

(Continued)

MUC-16-W7																						
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	1.65	1.65	0.47	8.79	2.04	2.04	0.59	12.67	2.43	2.43	0.7	17.1	2.82	2.82	0.81	22.03	3.2	3.2	0.92	27.44
		17	2.12	1.61	0.61	13.47	2.2	2.06	0.63	14.34	2.44	2.44	0.7	17.18	2.82	2.82	0.81	22.04	3.2	3.2	0.92	27.46
		19	3.3	1.57	0.95	29.01	3.28	1.98	0.94	28.67	3.27	2.39	0.94	28.51	3.23	2.78	0.93	27.85	3.22	3.19	0.93	27.81
		20	3.93	1.55	1.13	39.25	3.9	1.96	1.12	38.77	3.88	2.36	1.12	38.39	3.85	2.76	1.11	37.87	3.68	3.11	1.06	35.07
	4	15	1.52	1.52	0.33	4.69	1.92	1.92	0.41	6.96	2.31	2.31	0.5	9.54	2.7	2.7	0.58	12.43	3.08	3.08	0.66	15.6
		17	1.79	1.49	0.39	6.19	2.01	1.99	0.43	7.53	2.31	2.31	0.5	9.57	2.7	2.7	0.58	12.44	3.08	3.08	0.66	15.61
		19	2.96	1.44	0.64	14.56	2.95	1.85	0.63	14.46	2.95	2.27	0.64	14.5	2.96	2.68	0.64	14.54	3.09	3.09	0.67	15.73
		20	3.61	1.42	0.78	20.43	3.57	1.83	0.77	20.14	3.56	2.24	0.77	20	3.54	2.64	0.76	19.77	3.42	3.01	0.74	18.68
	5	15	1.39	1.39	0.24	2.33	1.79	1.79	0.31	4.22	2.19	2.19	0.38	5.93	2.58	2.58	0.44	7.83	2.96	2.96	0.51	9.92
		17	1.55	1.39	0.27	3.19	1.85	1.85	0.32	4.46	2.19	2.19	0.38	5.94	2.58	2.58	0.44	7.83	2.96	2.96	0.51	9.92
		19	2.58	1.3	0.44	7.85	2.58	1.72	0.44	7.84	2.62	2.15	0.45	8.06	2.75	2.6	0.47	8.75	2.97	2.97	0.51	9.97
		20	3.25	1.29	0.56	11.58	3.22	1.7	0.55	11.4	3.22	2.11	0.55	11.41	3.2	2.52	0.55	11.33	3.2	2.93	0.55	11.31
	6	15	1.25	1.25	0.18	1.06	1.66	1.66	0.24	2.34	2.06	2.06	0.3	3.9	2.45	2.45	0.35	5.26	2.84	2.84	0.41	6.75
		17	1.35	1.32	0.19	1.2	1.7	1.7	0.24	2.51	2.06	2.06	0.3	3.9	2.45	2.45	0.35	5.27	2.84	2.84	0.41	6.75
		19	2.17	1.15	0.31	4.26	2.18	1.57	0.31	4.3	2.36	2.05	0.34	4.91	2.58	2.54	0.37	5.72	2.85	2.85	0.41	6.77
		20	2.84	1.14	0.41	6.75	2.82	1.56	0.41	6.67	2.84	1.98	0.41	6.72	2.89	2.41	0.41	6.94	3.01	2.86	0.43	7.45
13	3	15	1.24	1.24	0.36	5.38	1.64	1.64	0.47	8.61	2.03	2.03	0.58	12.42	2.42	2.42	0.7	16.75	2.81	2.81	0.81	21.59
		17	1.3	1.3	0.37	5.77	1.64	1.64	0.47	8.62	2.04	2.04	0.58	12.42	2.42	2.42	0.7	16.76	2.81	2.81	0.81	21.6
		19	2.25	1.18	0.65	14.79	2.26	1.6	0.65	14.81	2.3	2.03	0.66	15.34	2.47	2.47	0.71	17.31	2.81	2.81	0.81	21.62
		20	2.9	1.16	0.83	22.89	2.87	1.57	0.83	22.46	2.88	1.99	0.83	22.54	2.87	2.4	0.82	22.42	2.92	2.83	0.84	23.14
	4	15	1.11	1.11	0.24	2.46	1.52	1.52	0.33	4.6	1.91	1.91	0.41	6.81	2.3	2.3	0.5	9.35	2.69	2.69	0.58	12.18
		17	1.14	1.14	0.25	2.63	1.52	1.52	0.33	4.6	1.91	1.91	0.41	6.82	2.3	2.3	0.5	9.35	2.69	2.69	0.58	12.18
		19	1.87	1.04	0.4	6.55	1.88	1.47	0.41	6.64	2.07	1.95	0.45	7.81	2.33	2.33	0.5	9.54	2.69	2.69	0.58	12.19
		20	2.52	1.03	0.54	10.91	2.5	1.44	0.54	10.75	2.52	1.86	0.54	10.89	2.58	2.3	0.56	11.33	2.76	2.76	0.59	12.74
	5	15	-	-	-	-	1.38	1.38	0.24	2.45	1.79	1.79	0.31	4.14	2.18	2.18	0.38	5.81	2.57	2.57	0.44	7.67
		17	-	-	-	-	1.38	1.38	0.24	2.46	1.79	1.79	0.31	4.14	2.18	2.18	0.38	5.81	2.57	2.57	0.44	7.67
		19	-	-	-	-	1.6	1.37	0.28	3.42	1.89	1.88	0.33	4.55	2.2	2.2	0.38	5.89	2.57	2.57	0.44	7.68
		20	-	-	-	-	2.1	1.3	0.36	5.42	2.17	1.74	0.37	5.73	2.36	2.22	0.41	6.65	2.62	2.62	0.45	7.91
	6	15	-	-	-	-	1.24	1.24	0.18	1.02	1.65	1.65	0.24	2.45	2.05	2.05	0.29	3.83	2.44	2.44	0.35	5.16
		17	-	-	-	-	1.24	1.24	0.18	1.03	1.65	1.65	0.24	2.45	2.05	2.05	0.29	3.83	2.45	2.45	0.35	5.16
		19	-	-	-	-	1.38	1.29	0.2	1.35	1.72	1.72	0.25	2.72	2.06	2.06	0.3	3.87	2.45	2.45	0.35	5.16
		20	-	-	-	-	1.66	1.16	0.24	2.5	1.9	1.65	0.27	3.34	2.18	2.16	0.31	4.24	2.48	2.48	0.36	5.27
15	3	15	-	-	-	-	1.24	1.24	0.36	5.27	1.64	1.64	0.47	8.44	2.03	2.03	0.58	12.17	2.41	2.41	0.69	16.42
		17	-	-	-	-	1.24	1.24	0.36	5.27	1.64	1.64	0.47	8.44	2.03	2.03	0.58	12.18	2.41	2.41	0.69	16.43
		19	-	-	-	-	1.33	1.27	0.38	5.91	1.65	1.65	0.47	8.54	2.03	2.03	0.58	12.19	2.42	2.42	0.69	16.45
		20	-	-	-	-	1.77	1.19	0.51	9.66	1.84	1.63	0.53	10.35	2.08	2.08	0.6	12.69	2.42	2.42	0.69	16.45
	4	15	-	-	-	-	1.11	1.11	0.24	2.54	1.51	1.51	0.33	4.51	1.91	1.91	0.41	6.68	2.29	2.29	0.49	9.16
		17	-	-	-	-	1.11	1.11	0.24	2.54	1.51	1.51	0.33	4.51	1.91	1.91	0.41	6.68	2.3	2.3	0.49	9.17
		19	-	-	-	-	1.15	1.15	0.25	2.79	1.52	1.52	0.33	4.54	1.91	1.91	0.41	6.69	2.3	2.3	0.49	9.17
		20	-	-	-	-	1.39	1.07	0.3	3.89	1.63	1.56	0.35	5.12	1.94	1.94	0.42	6.86	2.3	2.3	0.49	9.18
	5	15	-	-	-	-	-	-	-	-	1.38	1.38	0.24	2.52	1.78	1.78	0.31	4.06	2.17	2.17	0.37	5.69
		17	-	-	-	-	-	-	-	-	1.38	1.38	0.24	2.52	1.78	1.78	0.31	4.06	2.17	2.17	0.37	5.69
		19	-	-	-	-	-	-	-	-	1.38	1.38	0.24	2.53	1.78	1.78	0.31	4.07	2.17	2.17	0.37	5.7
		20	-	-	-	-	-	-	-	-	1.45	1.45	0.25	2.82	1.8	1.8	0.31	4.13	2.17	2.17	0.37	5.7
	6	15	-	-	-	-	-	-	-	-	1.24	1.24	0.18	1.03	1.65	1.65	0.24	2.5	2.05	2.05	0.29	3.76
		17	-	-	-	-	-	-	-	-	1.24	1.24	0.18	1.03	1.65	1.65	0.24	2.51	2.05	2.05	0.29	3.76
		19	-	-	-	-	-	-	-	-	1.24	1.24	0.18	1.03	1.65	1.65	0.24	2.51	2.05	2.05	0.29	3.77
		20	-	-	-	-	-	-	-	-	1.28	1.28	0.18	1.14	1.66	1.66	0.24	2.55	2.05	2.05	0.29	3.77

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)

(none)																						
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	3.98	3.02	1.14	41.79	3.9	3.43	1.12	40.39	3.94	3.89	1.13	41.06	4.31	4.31	1.24	48.08	4.71	4.71	1.35	56.23
		17	5.16	2.97	1.48	65.81	5.12	3.4	1.47	64.9	4.96	3.77	1.42	61.47	4.91	4.19	1.41	60.4	4.97	4.66	1.43	61.73
		19	6.43	2.91	1.85	97.1	6.4	3.35	1.84	96.15	6.33	3.77	1.82	94.48	6.2	4.16	1.79	91.06	6.17	4.58	1.78	90.25
		20	7.11	2.88	2.05	115.8	7.07	3.32	2.04	114.7	7.03	3.75	2.02	113.4	6.94	4.16	2	110.9	6.83	4.55	1.97	107.96
	4	15	3.69	2.88	0.79	22.26	3.64	3.31	0.78	21.71	3.79	3.79	0.81	23.3	4.18	4.18	0.9	27.58	4.59	4.59	0.98	32.37
		17	4.87	2.83	1.05	35.93	4.84	3.27	1.04	35.49	4.71	3.66	1.01	33.87	4.61	4.06	0.99	32.66	4.75	4.56	1.02	34.44
		19	6.15	2.78	1.32	53.82	6.12	3.22	1.31	53.31	6.06	3.64	1.3	52.46	5.92	4.03	1.27	50.3	5.86	4.44	1.26	49.55
		20	6.82	2.75	1.47	64.54	6.79	3.19	1.46	63.95	6.75	3.62	1.45	63.26	6.65	4.03	1.43	61.72	6.53	4.42	1.4	59.68
	5	15	3.39	2.75	0.58	13.09	3.42	3.21	0.59	13.26	3.65	3.65	0.63	14.85	4.05	4.05	0.7	17.74	4.46	4.46	0.77	20.9
		17	4.58	2.7	0.79	21.84	4.55	3.14	0.78	21.59	4.44	3.54	0.76	20.76	4.35	3.94	0.75	20.05	4.58	4.48	0.79	21.85
		19	5.86	2.65	1.01	33.4	5.82	3.09	1	33.09	5.78	3.52	0.99	32.62	5.62	3.89	0.97	31.12	5.55	4.3	0.95	30.42
		20	6.53	2.62	1.12	40.34	6.5	3.06	1.12	39.98	6.46	3.49	1.11	39.57	6.36	3.9	1.09	38.54	6.21	4.28	1.07	37
	6	15	3.09	2.61	0.44	8.14	3.23	3.12	0.46	8.79	3.51	3.51	0.5	10.16	3.92	3.92	0.56	12.24	4.33	4.33	0.62	14.49
		17	4.26	2.56	0.61	14.08	4.24	3	0.61	13.95	4.15	3.41	0.59	13.49	4.14	3.85	0.59	13.42	4.41	4.4	0.63	14.97
		19	5.55	2.51	0.79	22.14	5.52	2.95	0.79	21.92	5.48	3.38	0.78	21.64	5.34	3.77	0.76	20.74	5.22	4.16	0.75	19.93
		20	6.22	2.48	0.89	26.98	6.19	2.92	0.89	26.74	6.16	3.36	0.88	26.47	6.07	3.77	0.87	25.83	5.89	4.14	0.84	24.54
7	3	15	3.09	2.61	0.88	26.57	3.14	3.08	0.9	27.38	3.47	3.47	1	32.6	3.89	3.89	1.11	39.59	4.29	4.29	1.23	47.09
		17	4.26	2.56	1.22	46.34	4.23	3	1.21	45.87	4.14	3.4	1.19	44.23	4.03	3.8	1.16	42.16	4.31	4.31	1.24	47.34
		19	5.53	2.5	1.59	73.27	5.5	2.94	1.58	72.52	5.45	3.37	1.57	71.5	5.28	3.74	1.52	67.66	5.19	4.15	1.49	65.68
		20	6.2	2.47	1.79	89.67	6.17	2.91	1.78	88.83	6.13	3.35	1.76	87.86	6.02	3.75	1.73	85.22	5.85	4.12	1.68	81.06
	4	15	2.8	2.48	0.6	13.61	2.98	2.98	0.64	15.17	3.34	3.34	0.72	18.51	3.76	3.76	0.81	22.61	4.17	4.17	0.9	27.01
		17	3.95	2.42	0.85	24.61	3.93	2.87	0.84	24.4	3.86	3.28	0.83	23.67	3.85	3.72	0.83	23.55	4.17	4.17	0.9	27.09
		19	5.23	2.37	1.12	39.96	5.19	2.81	1.12	39.55	5.16	3.25	1.11	39.05	5.02	3.63	1.08	37.22	4.88	4.01	1.05	35.43
		20	5.9	2.34	1.27	49.3	5.87	2.78	1.26	48.85	5.83	3.22	1.25	48.35	5.74	3.63	1.24	47.05	5.54	3.99	1.19	44.26
	5	15	2.56	2.38	0.44	7.99	2.83	2.83	0.49	9.45	3.21	3.21	0.55	11.76	3.63	3.63	0.62	14.46	4.04	4.04	0.69	17.37
		17	3.62	2.28	0.62	14.41	3.61	2.73	0.62	14.33	3.58	3.16	0.61	14.09	3.69	3.65	0.63	14.87	4.04	4.04	0.69	17.4
		19	4.91	2.24	0.84	24.27	4.88	2.68	0.84	24.02	4.85	3.11	0.83	23.74	4.82	3.51	0.85	27.32	4.55	3.88	0.78	21.32
		20	5.58	2.21	0.96	30.29	5.55	2.65	0.95	30.02	5.52	3.09	0.95	29.72	5.45	3.51	0.94	29.04	5.22	3.86	0.9	27.02
	6	15	2.36	2.3	0.34	5.08	2.68	2.68	0.38	6.31	3.08	3.08	0.44	7.99	3.5	3.5	0.5	9.91	3.91	3.91	0.56	11.98
		17	3.27	2.14	0.47	8.83	3.27	2.59	0.47	8.84	3.34	3.06	0.48	9.16	3.54	3.54	0.51	10.11	3.91	3.91	0.56	11.99
		19	4.57	2.1	0.65	15.64	4.54	2.54	0.65	15.48	4.52	2.98	0.65	15.33	4.43	3.39	0.63	14.8	4.29	3.77	0.61	14
		20	5.25	2.07	0.75	19.83	5.22	2.51	0.75	19.65	5.19	2.95	0.74	19.46	5.13	3.38	0.74	19.06	4.94	3.74	0.71	17.83
9	3	15	2.28	2.26	0.65	15.54	2.63	2.63	0.75	19.87	3.05	3.05	0.87	25.62	3.46	3.46	0.99	31.94	3.87	3.87	1.11	38.79
		17	3.29	2.15	0.95	29.28	3.29	2.59	0.94	29.15	3.27	3.03	0.94	28.85	3.46	3.46	0.99	31.96	3.87	3.87	1.11	38.82
		19	4.57	2.09	1.31	51.7	4.54	2.53	1.3	51.1	4.51	2.97	1.3	50.57	4.41	3.38	1.27	48.69	4.2	3.73	1.21	44.59
		20	5.23	2.06	1.51	65.66	5.21	2.51	1.5	65.03	5.17	2.95	1.49	64.35	5.11	3.37	1.47	62.94	4.86	3.71	1.4	57.71
	4	15	2.12	2.12	0.45	8.34	2.5	2.5	0.54	11.07	2.92	2.92	0.63	14.43	3.33	3.33	0.72	18.13	3.75	3.75	0.81	22.15
		17	2.96	2.01	0.64	14.75	2.96	2.46	0.64	14.81	3.06	2.95	0.66	15.61	3.34	3.34	0.72	18.15	3.75	3.75	0.81	22.17
		19	4.24	1.96	0.91	27.42	4.21	2.4	0.91	27.1	4.19	2.84	0.9	26.86	4.11	3.26	0.89	26.04	3.95	3.64	0.85	24.3
		20	4.91	1.93	1.06	35.37	4.88	2.38	1.05	35.01	4.85	2.82	1.04	34.66	4.8	3.24	1.03	34.03	4.59	3.6	0.99	31.5
	5	15	1.96	1.96	0.34	5	2.36	2.36	0.41	6.87	2.79	2.79	0.48	9.08	3.2	3.2	0.55	11.52	3.62	3.62	0.62	14.16
		17	2.59	1.86	0.44	7.98	2.67	2.34	0.46	8.43	2.88	2.87	0.49	9.59	3.2	3.2	0.55	11.52	3.62	3.62	0.62	14.17
		19	3.89	1.82	0.67	16.03	3.86	2.27	0.66	15.85	3.85	2.71	0.66	15.76	3.79	3.13	0.65	15.34	3.76	3.56	0.65	15.13
		20	4.57	1.8	0.79	21.15	4.54	2.24	0.78	20.91	4.52	2.68	0.78	20.72	4.48	3.11	0.77	20.4	4.31	3.49	0.74	19.09
	6	15	1.81	1.81	0.26	2.86	2.22	2.22	0.32	4.52	2.65	2.65	0.38	6.1	3.07	3.07	0.44	7.83	3.49	3.49	0.5	9.71
		17	2.21	1.71	0.32	4.46	2.43	2.25	0.35	5.27	2.71	2.71	0.39	6.35	3.07	3.07	0.44	7.83	3.49	3.49	0.5	9.72
		19	3.5	1.67	0.5	9.76	3.49	2.12	0.5	9.7	3.49	2.57	0.5	9.72	3.49	3.02	0.5	9.73	3.59	3.49	0.51	10.2
		20	4.21	1.65	0.6	13.35	4.17	2.1	0.6	13.18	4.16	2.54	0.6	13.09	4.13	2.98	0.59	12.93	4	3.37	0.57	12.28

(Continued)

(none)																						
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	1.78	1.78	0.51	9.99	2.2	2.2	0.63	14.42	2.62	2.62	0.75	19.47	3.04	3.04	0.87	25.11	3.45	3.45	0.99	31.3
		17	2.26	1.73	0.65	15.09	2.36	2.22	0.68	16.2	2.63	2.63	0.75	19.55	3.04	3.04	0.87	25.13	3.45	3.45	0.99	31.33
		19	3.54	1.68	1.02	32.67	3.51	2.13	1.01	32.28	3.5	2.58	1.01	32.13	3.46	3	0.99	31.48	3.47	3.45	1	31.65
		20	4.21	1.66	1.21	44.27	4.18	2.1	1.2	43.71	4.16	2.54	1.2	43.29	4.13	2.98	1.19	42.75	3.98	3.36	1.14	40.07
	4	15	1.64	1.64	0.35	5.33	2.07	2.07	0.44	7.9	2.49	2.49	0.54	10.85	2.91	2.91	0.63	14.14	3.32	3.32	0.72	17.77
		17	1.92	1.6	0.41	6.94	2.16	2.14	0.46	8.5	2.49	2.49	0.54	10.87	2.91	2.91	0.63	14.15	3.32	3.32	0.72	17.78
		19	3.16	1.54	0.68	16.33	3.15	1.99	0.68	16.22	3.16	2.44	0.68	16.29	3.18	2.9	0.68	16.44	3.34	3.34	0.72	17.89
		20	3.86	1.52	0.83	22.99	3.83	1.97	0.82	22.64	3.81	2.41	0.82	22.49	3.79	2.85	0.82	22.27	3.69	3.26	0.79	21.26
	5	15	1.49	1.49	0.26	2.91	1.93	1.93	0.33	4.8	2.36	2.36	0.41	6.73	2.78	2.78	0.48	8.9	3.19	3.19	0.55	11.28
		17	1.66	1.5	0.29	3.68	1.99	1.99	0.34	5.04	2.36	2.36	0.41	6.74	2.78	2.78	0.48	8.9	3.2	3.2	0.55	11.29
		19	2.76	1.39	0.48	8.79	2.76	1.85	0.47	8.77	2.81	2.31	0.48	9.05	2.96	2.81	0.51	9.9	3.2	3.2	0.55	11.33
		20	3.47	1.38	0.6	12.98	3.44	1.82	0.59	12.78	3.44	2.28	0.59	12.79	3.43	2.72	0.59	12.75	3.45	3.17	0.59	12.84
	6	15	1.34	1.34	0.19	1.19	1.79	1.79	0.26	2.89	2.22	2.22	0.32	4.44	2.64	2.64	0.38	5.98	3.06	3.06	0.44	7.67
		17	1.44	1.42	0.21	1.46	1.82	1.82	0.26	3.04	2.22	2.22	0.32	4.44	2.64	2.64	0.38	5.98	3.06	3.06	0.44	7.67
		19	2.32	1.23	0.33	4.78	2.33	1.69	0.33	4.82	2.53	2.21	0.36	5.53	2.77	2.74	0.4	6.47	3.07	3.07	0.44	7.69
		20	3.04	1.22	0.44	7.55	3.02	1.67	0.43	7.47	3.03	2.13	0.43	7.51	3.1	2.6	0.44	7.82	3.25	3.09	0.47	8.46
13	3	15	1.34	1.34	0.38	6.1	1.77	1.77	0.51	9.79	2.19	2.19	0.63	14.13	2.61	2.61	0.75	19.09	3.03	3.03	0.87	24.62
		17	1.39	1.39	0.4	6.51	1.77	1.77	0.51	9.79	2.19	2.19	0.63	14.14	2.61	2.61	0.75	19.1	3.03	3.03	0.87	24.64
		19	2.41	1.27	0.69	16.6	2.41	1.72	0.69	16.59	2.47	2.19	0.71	17.28	2.66	2.66	0.76	19.68	3.03	3.03	0.87	24.65
		20	3.1	1.25	0.89	25.69	3.07	1.69	0.88	25.2	3.08	2.14	0.88	25.32	3.08	2.59	0.88	25.29	3.14	3.05	0.9	26.22
	4	15	1.2	1.2	0.26	2.98	1.63	1.63	0.35	5.22	2.06	2.06	0.44	7.74	2.48	2.48	0.53	10.63	2.9	2.9	0.62	13.87
		17	1.22	1.22	0.26	3.13	1.63	1.63	0.35	5.22	2.06	2.06	0.44	7.75	2.48	2.48	0.53	10.64	2.9	2.9	0.62	13.87
		19	2	1.12	0.43	7.35	2.02	1.58	0.43	7.44	2.23	2.1	0.48	8.81	2.51	2.51	0.54	10.83	2.9	2.9	0.62	13.88
		20	2.7	1.1	0.58	12.22	2.67	1.55	0.58	12.06	2.69	2.01	0.58	12.18	2.77	2.48	0.6	12.8	2.97	2.97	0.64	14.44
	5	15	-	-	-	-	1.49	1.49	0.26	2.96	1.92	1.92	0.33	4.7	2.35	2.35	0.4	6.6	2.77	2.77	0.48	8.72
		17	-	-	-	-	1.49	1.49	0.26	2.96	1.93	1.93	0.33	4.71	2.35	2.35	0.4	6.6	2.77	2.77	0.48	8.72
		19	-	-	-	-	1.72	1.48	0.3	3.87	2.03	2.03	0.35	5.14	2.37	2.37	0.41	6.68	2.77	2.77	0.48	8.73
		20	-	-	-	-	2.24	1.4	0.39	6.06	2.32	1.88	0.4	6.42	2.54	2.4	0.44	7.52	2.82	2.82	0.48	8.96
	6	15	-	-	-	-	1.34	1.34	0.19	1.22	1.78	1.78	0.26	2.94	2.21	2.21	0.32	4.36	2.64	2.64	0.38	5.86
		17	-	-	-	-	1.34	1.34	0.19	1.22	1.78	1.78	0.26	2.94	2.21	2.21	0.32	4.36	2.64	2.64	0.38	5.86
		19	-	-	-	-	1.48	1.39	0.21	1.73	1.85	1.85	0.27	3.17	2.22	2.22	0.32	4.39	2.64	2.64	0.38	5.87
		20	-	-	-	-	1.78	1.24	0.25	2.92	2.04	1.78	0.29	3.78	2.34	2.33	0.34	4.8	2.67	2.67	0.38	5.98
15	3	15	-	-	-	-	1.34	1.34	0.38	5.98	1.76	1.76	0.51	9.6	2.19	2.19	0.63	13.86	2.6	2.6	0.75	18.72
		17	-	-	-	-	1.34	1.34	0.38	5.98	1.77	1.77	0.51	9.6	2.19	2.19	0.63	13.87	2.61	2.61	0.75	18.73
		19	-	-	-	-	1.42	1.38	0.41	6.66	1.78	1.78	0.51	9.7	2.19	2.19	0.63	13.88	2.61	2.61	0.75	18.75
		20	-	-	-	-	1.89	1.28	0.54	10.81	1.98	1.76	0.57	11.63	2.24	2.24	0.64	14.41	2.61	2.61	0.75	18.75
	4	15	-	-	-	-	1.19	1.19	0.26	2.98	1.63	1.63	0.35	5.12	2.06	2.06	0.44	7.59	2.48	2.48	0.53	10.43
		17	-	-	-	-	1.19	1.19	0.26	2.99	1.63	1.63	0.35	5.12	2.06	2.06	0.44	7.6	2.48	2.48	0.53	10.43
		19	-	-	-	-	1.24	1.24	0.27	3.21	1.63	1.63	0.35	5.15	2.06	2.06	0.44	7.6	2.48	2.48	0.53	10.44
		20	-	-	-	-	1.48	1.15	0.32	4.36	1.75	1.69	0.38	5.77	2.08	2.08	0.45	7.78	2.48	2.48	0.53	10.44
	5	15	-	-	-	-	-	-	-	-	1.49	1.49	0.26	2.96	1.92	1.92	0.33	4.61	2.34	2.34	0.4	6.47
		17	-	-	-	-	-	-	-	-	1.49	1.49	0.26	2.96	1.92	1.92	0.33	4.61	2.34	2.34	0.4	6.47
		19	-	-	-	-	-	-	-	-	1.49	1.49	0.26	2.97	1.92	1.92	0.33	4.62	2.34	2.34	0.4	6.48
		20	-	-	-	-	-	-	-	-	1.56	1.56	0.27	3.23	1.94	1.94	0.33	4.68	2.35	2.35	0.4	6.48
	6	15	-	-	-	-	-	-	-	-	1.34	1.34	0.19	1.3	1.78	1.78	0.26	2.93	2.21	2.21	0.32	4.27
		17	-	-	-	-	-	-	-	-	1.34	1.34	0.19	1.3	1.78	1.78	0.26	2.93	2.21	2.21	0.32	4.28
		19	-	-	-	-	-	-	-	-	1.34	1.34	0.19	1.3	1.78	1.78	0.26	2.93	2.21	2.21	0.32	4.28
		20	-	-	-	-	-	-	-	-	1.38	1.38	0.2	1.46	1.79	1.79	0.26	2.96	2.21	2.21	0.32	4.28

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)

MUC-19-W7																							
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	
℃	℃	℃	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	4.46	3.46	1.28	20.93	4.43	3.99	1.27	20.72	4.52	4.52	1.29	21.43	5	5	1.43	25.48	5.48	5.48	1.57	29.86	
		17	5.81	3.37	1.66	33.03	5.78	3.9	1.65	32.75	5.73	4.41	1.64	32.25	5.51	4.85	1.58	30.18	5.57	5.4	1.6	30.79	
		19	7.26	3.28	2.08	48.82	7.23	3.81	2.07	48.39	7.19	4.33	2.06	47.96	7.08	4.81	2.03	46.65	6.89	5.26	1.98	44.54	
		20	8.03	3.23	2.3	58.21	8	3.76	2.29	57.78	7.96	4.28	2.28	57.29	7.89	4.79	2.26	56.4	7.72	5.24	2.21	54.3	
	4	15	4.11	3.3	0.88	11.05	4.12	3.84	0.88	11.09	4.36	4.36	0.93	12.2	4.84	4.84	1.04	14.61	5.32	5.32	1.14	17.18	
		17	5.45	3.21	1.17	17.93	5.43	3.74	1.16	17.79	5.39	4.26	1.16	17.57	5.23	4.72	1.12	16.68	5.37	5.31	1.15	17.49	
		19	6.91	3.12	1.48	26.99	6.87	3.65	1.48	26.75	6.84	4.17	1.47	26.52	6.75	4.67	1.45	25.95	6.53	5.1	1.4	24.5	
		20	7.67	3.07	1.65	32.38	7.64	3.6	1.64	32.15	7.6	4.12	1.63	31.87	7.55	4.63	1.62	31.45	7.36	5.08	1.58	30.14	
	5	15	3.74	3.14	0.64	6.42	3.87	3.73	0.66	6.79	4.19	4.19	0.72	7.78	4.68	4.68	0.8	9.37	5.16	5.16	0.88	11.08	
		17	5.08	3.05	0.87	10.8	5.06	3.58	0.87	10.73	5.03	4.1	0.86	10.61	4.94	4.59	0.85	10.28	5.19	5.19	0.89	11.2	
		19	6.55	2.96	1.12	16.66	6.51	3.49	1.12	16.5	6.48	4.01	1.11	16.37	6.41	4.52	1.1	16.07	6.19	4.95	1.06	15.13	
		20	7.31	2.91	1.25	20.14	7.28	3.44	1.25	20	7.24	3.96	1.24	19.83	7.19	4.48	1.23	19.6	7.02	4.93	1.2	18.78	
	6	15	3.4	2.99	0.49	3.99	3.65	3.63	0.52	4.5	4.03	4.03	0.58	5.32	4.51	4.51	0.65	6.45	5	5	0.71	7.66	
		17	4.7	2.88	0.67	6.89	4.68	3.41	0.67	6.86	4.66	3.94	0.67	6.8	4.7	4.49	0.67	6.91	5.02	5.02	0.72	7.71	
		19	6.17	2.8	0.88	10.96	6.13	3.32	0.88	10.85	6.1	3.85	0.87	10.77	6.05	4.36	0.86	10.6	5.86	4.81	0.84	10.05	
		20	6.93	2.75	0.99	13.38	6.9	3.28	0.99	13.29	6.87	3.8	0.98	13.17	6.82	4.32	0.98	13.03	6.68	4.79	0.96	12.57	
7	3	15	3.44	3	0.98	13.17	3.58	3.58	1.03	14.14	4.02	4.02	1.15	17.23	4.51	4.51	1.29	20.98	4.99	4.99	1.43	25.01	
		17	4.76	2.91	1.36	23.08	4.74	3.44	1.36	22.91	4.71	3.96	1.35	22.68	4.65	4.46	1.33	22.14	4.99	4.99	1.43	25.03	
		19	6.22	2.82	1.78	36.67	6.18	3.35	1.77	36.3	6.15	3.87	1.76	35.98	6.1	4.38	1.75	35.44	5.84	4.8	1.67	32.9	
		20	6.98	2.77	2	44.84	6.95	3.3	1.99	44.52	6.91	3.82	1.98	44.11	6.87	4.34	1.97	43.63	6.67	4.79	1.91	41.48	
	4	15	3.11	2.86	0.67	6.76	3.4	3.4	0.73	7.86	3.86	3.86	0.83	9.77	4.35	4.35	0.93	11.97	4.83	4.83	1.04	14.34	
		17	4.38	2.75	0.94	12.14	4.37	3.28	0.94	12.08	4.35	3.81	0.93	11.98	4.43	4.37	0.95	12.39	4.83	4.83	1.04	14.35	
		19	5.84	2.66	1.26	19.91	5.81	3.19	1.25	19.69	5.78	3.71	1.24	19.52	5.73	4.23	1.23	19.27	5.54	4.68	1.19	18.18	
		20	6.6	2.61	1.42	24.57	6.57	3.14	1.41	24.4	6.54	3.66	1.4	24.17	6.5	4.19	1.4	23.94	6.36	4.66	1.37	23.02	
	5	15	2.86	2.75	0.49	3.99	3.22	3.22	0.55	4.89	3.7	3.7	0.63	6.18	4.18	4.18	0.72	7.63	4.67	4.67	0.8	9.2	
		17	3.98	2.58	0.68	7.01	3.98	3.12	0.68	7.01	4.02	3.67	0.69	7.14	4.24	4.24	0.73	7.8	4.67	4.67	0.8	9.21	
		19	5.46	2.5	0.94	12	5.42	3.03	0.93	11.86	5.39	3.55	0.93	11.77	5.43	4.29	0.93	18.54	5.21	4.54	0.9	11.09	
		20	6.21	2.45	1.07	15.01	6.19	2.98	1.06	14.89	6.15	3.51	1.06	14.75	6.12	4.03	1.05	14.62	6.01	4.51	1.03	14.16	
	6	15	2.63	2.63	0.38	2.36	3.04	3.04	0.44	3.23	3.53	3.53	0.51	4.19	4.02	4.02	0.58	5.22	4.51	4.51	0.65	6.33	
		17	3.54	2.4	0.51	4.21	3.58	2.95	0.51	4.28	3.76	3.56	0.54	4.65	4.06	4.06	0.58	5.31	4.51	4.51	0.65	6.33	
		19	5.05	2.33	0.72	7.66	5.01	2.86	0.72	7.56	4.99	3.39	0.71	7.52	4.97	3.91	0.71	7.45	4.9	4.41	0.7	7.28	
		20	5.81	2.29	0.83	9.75	5.78	2.82	0.83	9.66	5.75	3.34	0.82	9.57	5.72	3.87	0.82	9.5	5.63	4.36	0.81	9.24	
9	3	15	2.58	2.58	0.74	7.94	3.03	3.03	0.87	10.47	3.52	3.52	1.01	13.54	4.01	4.01	1.15	16.92	4.5	4.5	1.29	20.61	
		17	3.65	2.44	1.05	14.36	3.65	2.98	1.05	14.4	3.7	3.54	1.06	14.7	4.01	4.01	1.15	16.93	4.5	4.5	1.29	20.62	
		19	5.11	2.36	1.47	25.72	5.07	2.89	1.46	25.38	5.05	3.41	1.45	25.18	5.02	3.94	1.44	24.92	4.9	4.41	1.4	23.88	
		20	5.87	2.31	1.68	32.68	5.84	2.84	1.68	32.41	5.8	3.36	1.67	32.07	5.77	3.89	1.66	31.78	5.69	4.38	1.63	30.99	
	4	15	2.39	2.39	0.51	4.27	2.87	2.87	0.62	5.81	3.36	3.36	0.72	7.61	3.85	3.85	0.83	9.59	4.34	4.34	0.93	11.75	
		17	3.22	2.27	0.69	7.07	3.27	2.83	0.7	7.23	3.47	3.44	0.74	8	3.85	3.85	0.83	9.59	4.34	4.34	0.93	11.76	
		19	4.71	2.2	1.01	13.53	4.67	2.73	1	13.33	4.66	3.26	1	13.26	4.63	3.78	1	13.15	4.59	4.29	0.99	12.96	
		20	5.47	2.15	1.18	17.51	5.44	2.68	1.17	17.34	5.41	3.21	1.16	17.16	5.38	3.73	1.16	17.02	5.31	4.24	1.14	16.65	
	5	15	2.21	2.21	0.38	2.47	2.7	2.7	0.46	3.59	3.2	3.2	0.55	4.77	3.69	3.69	0.63	6.07	4.18	4.18	0.72	7.5	
		17	2.8	2.1	0.48	3.79	2.96	2.7	0.51	4.16	3.26	3.26	0.56	4.93	3.69	3.69	0.63	6.07	4.18	4.18	0.72	7.5	
		19	4.27	2.03	0.73	7.78	4.24	2.56	0.73	7.69	4.24	3.1	0.73	7.69	4.24	3.63	0.73	7.68	4.36	4.2	0.75	8.04	
		20	5.06	1.99	0.87	10.38	5.02	2.52	0.86	10.25	4.99	3.05	0.86	10.15	4.98	3.58	0.86	10.1	4.92	4.09	0.85	9.92	
	6	15	2.03	2.03	0.29	1.09	2.54	2.54	0.36	2.22	3.03	3.03	0.43	3.18	3.53	3.53	0.51	4.11	4.02	4.02	0.58	5.13	
		17	2.4	1.95	0.34	1.92	2.7	2.6	0.39	2.56	3.07	3.07	0.44	3.25	3.53	3.53	0.51	4.12	4.02	4.02	0.58	5.13	
		19	3.81	1.85	0.55	4.68	3.78	2.38	0.54	4.61	3.8	2.93	0.54	4.66	3.91	3.5	0.56	4.89	4.14	4.12	0.59	5.4	
		20	4.61	1.82	0.66	6.46	4.57	2.34	0.65	6.36	4.55	2.88	0.65	6.32	4.55	3.42	0.65	6.32	4.55	3.94	0.65	6.32	

MUC-19-W7																							
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	2.04	2.04	0.58	5.23	2.53	2.53	0.73	7.59	3.03	3.03	0.87	10.28	3.52	3.52	1.01	13.3	4	4	1.15	16.63	
		17	2.47	1.98	0.71	7.25	2.64	2.58	0.76	8.14	3.03	3.03	0.87	10.29	3.52	3.52	1.01	13.31	4.01	4.01	1.15	16.64	
		19	3.92	1.89	1.12	15.99	3.89	2.42	1.11	15.78	3.89	2.96	1.12	15.81	3.89	3.49	1.12	15.79	4.05	4.05	1.16	16.98	
		20	4.7	1.85	1.35	21.9	4.65	2.38	1.34	21.56	4.63	2.91	1.33	21.35	4.62	3.44	1.32	21.25	4.57	3.95	1.31	20.9	
	4	15	1.87	1.87	0.4	2.75	2.37	2.37	0.51	4.14	2.87	2.87	0.62	5.71	3.36	3.36	0.72	7.47	3.85	3.85	0.83	9.42	
		17	2.1	1.84	0.45	3.38	2.43	2.43	0.52	4.31	2.87	2.87	0.62	5.71	3.36	3.36	0.72	7.48	3.85	3.85	0.83	9.43	
		19	3.47	1.72	0.75	7.89	3.44	2.25	0.74	7.77	3.47	2.8	0.75	7.89	3.58	3.38	0.77	8.33	3.87	3.87	0.83	9.54	
		20	4.26	1.69	0.92	11.21	4.21	2.21	0.91	11	4.2	2.75	0.9	10.95	4.2	3.29	0.9	10.96	4.2	3.82	0.9	10.96	
	5	15	1.69	1.69	0.29	1.15	2.2	2.2	0.38	2.46	2.7	2.7	0.46	3.53	3.2	3.2	0.55	4.68	3.69	3.69	0.63	5.97	
		17	1.83	1.74	0.31	1.52	2.23	2.23	0.38	2.53	2.7	2.7	0.47	3.53	3.2	3.2	0.55	4.69	3.69	3.69	0.63	5.97	
		19	2.99	1.55	0.51	4.17	2.99	2.09	0.51	4.18	3.08	2.66	0.53	4.4	3.34	3.29	0.57	5.04	3.7	3.7	0.64	6.01	
		20	3.79	1.52	0.65	6.25	3.74	2.04	0.64	6.12	3.74	2.58	0.64	6.1	3.78	3.13	0.65	6.21	3.92	3.71	0.68	6.63	
	6	15	1.51	1.51	0.22	0.65	2.03	2.03	0.29	1.17	2.53	2.53	0.36	2.26	3.03	3.03	0.43	3.13	3.52	3.52	0.51	4.04	
		17	1.59	1.59	0.23	0.68	2.05	2.05	0.29	1.21	2.53	2.53	0.36	2.26	3.03	3.03	0.43	3.13	3.53	3.53	0.51	4.04	
		19	2.5	1.37	0.36	2.19	2.52	1.93	0.36	2.24	2.78	2.55	0.4	2.7	3.13	3.13	0.45	3.3	3.53	3.53	0.51	4.06	
		20	3.29	1.34	0.47	3.59	3.25	1.87	0.47	3.51	3.25	2.41	0.47	3.52	3.43	3	0.49	3.85	3.69	3.63	0.53	4.36	
13	3	15	1.53	1.53	0.44	3.18	2.03	2.03	0.58	5.14	2.53	2.53	0.73	7.45	3.02	3.02	0.87	10.11	3.51	3.51	1.01	13.08	
		17	1.57	1.57	0.45	3.31	2.03	2.03	0.58	5.14	2.53	2.53	0.73	7.46	3.02	3.02	0.87	10.11	3.51	3.51	1.01	13.08	
		19	2.63	1.42	0.75	7.95	2.64	1.97	0.76	8	2.74	2.54	0.79	8.52	3.05	3.05	0.87	10.25	3.51	3.51	1.01	13.09	
		20	3.42	1.39	0.98	12.5	3.36	1.91	0.97	12.12	3.37	2.45	0.97	12.18	3.41	3	0.98	12.45	3.59	3.59	1.03	13.58	
	4	15	1.36	1.36	0.29	1.24	1.87	1.87	0.4	2.72	2.37	2.37	0.51	4.07	2.86	2.86	0.62	5.61	3.35	3.35	0.72	7.35	
		17	1.38	1.38	0.3	1.3	1.87	1.87	0.4	2.72	2.37	2.37	0.51	4.07	2.86	2.86	0.62	5.61	3.35	3.35	0.72	7.35	
		19	2.18	1.26	0.47	3.52	2.2	1.81	0.47	3.6	2.48	2.45	0.53	4.4	2.87	2.87	0.62	5.65	3.36	3.36	0.72	7.35	
		20	2.86	1.19	0.59	5.24	2.9	1.75	0.62	5.72	2.91	2.29	0.63	5.75	3.09	2.89	0.67	6.39	3.4	3.4	0.73	7.51	
	5	15	-	-	-	-	1.69	1.69	0.29	1.26	2.2	2.2	0.38	2.44	2.7	2.7	0.46	3.47	3.19	3.19	0.55	4.6	
		17	-	-	-	-	1.69	1.69	0.29	1.26	2.2	2.2	0.38	2.44	2.7	2.7	0.47	3.47	3.19	3.19	0.55	4.61	
		19	-	-	-	-	1.89	1.71	0.33	1.78	2.27	2.27	0.39	2.57	2.71	2.71	0.47	3.48	3.19	3.19	0.55	4.61	
		20	-	-	-	-	2.4	1.58	0.41	2.84	2.53	2.16	0.44	3.09	2.84	2.8	0.49	3.78	3.22	3.22	0.55	4.67	
	6	15	-	-	-	-	1.51	1.51	0.22	0.62	2.03	2.03	0.29	1.27	2.53	2.53	0.36	2.25	3.03	3.03	0.43	3.08	
		17	-	-	-	-	1.51	1.51	0.22	0.62	2.03	2.03	0.29	1.27	2.53	2.53	0.36	2.26	3.03	3.03	0.43	3.08	
		19	-	-	-	-	1.62	1.61	0.23	0.67	2.07	2.07	0.3	1.36	2.54	2.54	0.36	2.26	3.03	3.03	0.44	3.08	
		20	-	-	-	-	1.92	1.42	0.27	1.06	2.23	2.06	0.32	1.72	2.63	2.63	0.38	2.41	3.04	3.04	0.44	3.11	
15	3	15	-	-	-	-	1.53	1.53	0.44	3.13	2.03	2.03	0.58	5.05	2.53	2.53	0.73	7.33	3.02	3.02	0.87	9.94	
		17	-	-	-	-	1.53	1.53	0.44	3.13	2.03	2.03	0.58	5.05	2.53	2.53	0.73	7.33	3.02	3.02	0.87	9.94	
		19	-	-	-	-	1.6	1.6	0.46	3.38	2.03	2.03	0.58	5.05	2.53	2.53	0.73	7.33	3.02	3.02	0.87	9.95	
		20	-	-	-	-	2.06	1.47	0.59	5.19	2.18	2.05	0.63	5.71	2.55	2.55	0.73	7.45	3.02	3.02	0.87	9.95	
	4	15	-	-	-	-	1.36	1.36	0.29	1.34	1.87	1.87	0.4	2.68	2.37	2.37	0.51	4	2.86	2.86	0.62	5.52	
		17	-	-	-	-	1.36	1.36	0.29	1.34	1.87	1.87	0.4	2.68	2.37	2.37	0.51	4	2.86	2.86	0.62	5.52	
		19	-	-	-	-	1.39	1.39	0.3	1.45	1.87	1.87	0.4	2.68	2.37	2.37	0.51	4	2.86	2.86	0.62	5.52	
		20	-	-	-	-	1.62	1.32	0.35	2.09	1.95	1.95	0.42	2.88	2.38	2.38	0.51	4.03	2.86	2.86	0.62	5.52	
	5	15	-	-	-	-	-	-	-	-	1.69	1.69	0.29	1.35	2.2	2.2	0.38	2.41	2.7	2.7	0.46	3.41	
		17	-	-	-	-	-	-	-	-	1.69	1.69	0.29	1.35	2.2	2.2	0.38	2.41	2.7	2.7	0.46	3.41	
		19	-	-	-	-	-	-	-	-	1.69	1.69	0.29	1.35	2.2	2.2	0.38	2.41	2.7	2.7	0.47	3.41	
		20	-	-	-	-	-	-	-	-	1.74	1.74	0.3	1.46	2.2	2.2	0.38	2.42	2.7	2.7	0.47	3.41	
	6	15	-	-	-	-	-	-	-	-	1.51	1.51	0.22	0.59	2.03	2.03	0.29	1.36	2.53	2.53	0.36	2.23	
		17	-	-	-	-	-	-	-	-	1.51	1.51	0.22	0.59	2.03	2.03	0.29	1.36	2.53	2.53	0.36	2.23	
		19	-	-	-	-	-	-	-	-	1.51	1.51	0.22	0.59	2.03	2.03	0.29	1.36	2.53	2.53	0.36	2.24	
		20	-	-	-	-	-	-	-	-	1.54	1.54	0.22	0.6	2.03	2.03	0.29	1.36	2.53	2.53	0.36	2.24	

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)

(none)																							
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	
℃	℃	℃	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	5.05	3.96	1.44	25.89	5.03	4.57	1.44	25.72	5.2	5.2	1.49	27.31	5.73	5.73	1.64	32.33	6.29	6.29	1.8	37.95	
		17	6.57	3.84	1.88	41	6.54	4.45	1.87	40.65	6.51	5.06	1.86	40.28	6.36	5.61	1.82	38.76	6.35	6.22	1.82	38.56	
		19	8.23	3.72	2.36	60.77	8.19	4.33	2.35	60.23	8.15	4.94	2.34	59.72	8.08	5.53	2.32	58.84	7.82	6.03	2.24	55.58	
		20	9.1	3.65	2.61	72.49	9.06	4.27	2.6	72.01	9.02	4.87	2.59	71.39	8.97	5.47	2.58	70.65	8.79	6.01	2.53	68.26	
	4	15	4.64	3.78	1	13.6	4.68	4.42	1	13.79	5	5	1.07	15.46	5.55	5.55	1.19	18.48	6.1	6.1	1.31	21.77	
		17	6.17	3.66	1.32	22.16	6.14	4.27	1.32	21.98	6.11	4.88	1.31	21.8	5.99	5.45	1.29	21.11	6.13	6.12	1.32	21.96	
		19	7.82	3.54	1.68	33.47	7.78	4.15	1.67	33.16	7.74	4.76	1.66	32.88	7.69	5.35	1.65	32.47	7.46	5.87	1.6	30.82	
		20	8.69	3.46	1.87	40.15	8.65	4.08	1.86	39.9	8.61	4.69	1.85	39.55	8.56	5.29	1.84	39.18	8.41	5.84	1.81	37.98	
	5	15	4.22	3.59	0.72	7.86	4.4	4.29	0.75	8.45	4.8	4.8	0.82	9.82	5.36	5.36	0.92	11.83	5.91	5.91	1.02	14.01	
		17	5.74	3.47	0.99	13.3	5.72	4.09	0.98	13.21	5.69	4.7	0.98	13.11	5.67	5.3	0.97	13	5.93	5.93	1.02	14.07	
		19	7.4	3.35	1.27	20.59	7.36	3.96	1.26	20.39	7.33	4.57	1.26	20.22	7.28	5.18	1.25	20	7.09	5.71	1.22	19.12	
		20	8.26	3.28	1.42	24.9	8.23	3.9	1.41	24.75	8.19	4.51	1.41	24.52	8.15	5.11	1.4	24.3	8.03	5.68	1.38	23.67	
	6	15	3.85	3.42	0.55	4.91	4.16	4.16	0.59	5.6	4.61	4.61	0.66	6.69	5.17	5.17	0.74	8.13	5.73	5.73	0.82	9.67	
		17	5.29	3.28	0.76	8.44	5.28	3.9	0.76	8.4	5.27	4.51	0.75	8.38	5.39	5.18	0.77	8.71	5.74	5.74	0.82	9.69	
		19	6.97	3.17	1	13.51	6.93	3.78	0.99	13.36	6.89	4.39	0.99	13.25	6.85	4.99	0.98	13.13	6.7	5.55	0.96	12.63	
		20	7.83	3.1	1.12	16.5	7.8	3.72	1.12	16.4	7.76	4.33	1.11	16.24	7.72	4.93	1.1	16.11	7.62	5.51	1.09	15.74	
7	3	15	3.88	3.44	1.11	16.18	4.09	4.09	1.17	17.75	4.61	4.61	1.32	21.82	5.17	5.17	1.48	26.6	5.72	5.72	1.64	31.77	
		17	5.38	3.31	1.54	28.52	5.36	3.93	1.54	28.32	5.34	4.54	1.53	28.12	5.34	5.16	1.53	28.15	5.73	5.73	1.64	31.78	
		19	7.04	3.2	2.02	45.53	6.99	3.81	2.01	45.03	6.96	4.42	2	44.62	6.92	5.02	1.99	44.21	6.75	5.57	1.94	42.35	
		20	7.89	3.12	2.27	55.67	7.86	3.74	2.26	55.32	7.82	4.35	2.25	54.78	7.78	4.96	2.23	54.3	7.67	5.53	2.2	52.94	
	4	15	3.52	3.29	0.76	8.35	3.88	3.88	0.83	9.86	4.42	4.42	0.95	12.33	4.98	4.98	1.07	15.13	5.54	5.54	1.19	18.16	
		17	4.94	3.13	1.06	14.92	4.93	3.75	1.06	14.85	4.92	4.37	1.06	14.8	5.08	5.05	1.09	15.66	5.54	5.54	1.19	18.17	
		19	6.61	3.01	1.42	24.61	6.56	3.63	1.41	24.32	6.53	4.24	1.4	24.11	6.5	4.84	1.4	23.9	6.37	5.41	1.37	23.11	
		20	7.46	2.94	1.6	30.39	7.43	3.56	1.6	30.2	7.39	4.17	1.59	29.89	7.35	4.78	1.58	29.64	7.27	5.36	1.56	29.05	
	5	15	3.24	3.17	0.56	4.95	3.68	3.68	0.63	6.13	4.23	4.23	0.73	7.79	4.8	4.8	0.82	9.63	5.35	5.35	0.92	11.63	
		17	4.47	2.93	0.77	8.55	4.48	3.56	0.77	8.57	4.56	4.22	0.78	8.84	4.86	4.86	0.83	9.85	5.36	5.36	0.92	11.63	
		19	6.16	2.83	1.06	14.78	6.11	3.44	1.05	14.59	6.09	4.05	1.05	14.47	6.25	5.13	1.12	26.51	5.96	5.24	1.02	13.95	
		20	7.02	2.76	1.21	18.5	6.99	3.38	1.2	18.37	6.95	3.99	1.19	18.17	6.91	4.6	1.19	18.03	6.84	5.19	1.18	17.72	
	6	15	2.99	2.99	0.43	3.13	3.48	3.48	0.5	4.08	4.04	4.04	0.58	5.26	4.61	4.61	0.66	6.57	5.17	5.17	0.74	7.99	
		17	3.99	2.74	0.57	5.14	4.03	3.38	0.58	5.23	4.27	4.1	0.61	5.77	4.65	4.65	0.67	6.67	5.17	5.17	0.74	7.99	
		19	5.69	2.64	0.81	9.39	5.64	3.25	0.81	9.25	5.62	3.87	0.8	9.2	5.61	4.48	0.8	9.16	5.6	5.1	0.8	9.16	
		20	6.56	2.58	0.94	11.98	6.52	3.2	0.93	11.88	6.48	3.81	0.93	11.75	6.46	4.42	0.92	11.67	6.4	5.01	0.92	11.5	
9	3	15	2.94	2.94	0.84	9.91	3.48	3.48	1	13.22	4.04	4.04	1.16	17.13	4.6	4.6	1.32	21.45	5.16	5.16	1.48	26.16	
		17	4.1	2.78	1.18	17.57	4.12	3.41	1.18	17.67	4.2	4.07	1.21	18.34	4.6	4.6	1.32	21.46	5.16	5.16	1.48	26.17	
		19	5.78	2.68	1.66	31.82	5.73	3.28	1.64	31.33	5.7	3.9	1.64	31.08	5.68	4.51	1.63	30.85	5.61	5.1	1.61	30.22	
		20	6.63	2.61	1.9	40.46	6.6	3.22	1.89	40.12	6.55	3.83	1.88	39.65	6.52	4.44	1.87	39.33	6.48	5.04	1.86	38.84	
	4	15	2.73	2.73	0.59	5.33	3.29	3.29	0.71	7.32	3.85	3.85	0.83	9.6	4.42	4.42	0.95	12.12	4.98	4.98	1.07	14.88	
		17	3.63	2.59	0.78	8.65	3.68	3.24	0.79	8.86	3.95	3.95	0.85	10	4.42	4.42	0.95	12.13	4.98	4.98	1.07	14.88	
		19	5.31	2.49	1.14	16.63	5.26	3.1	1.13	16.37	5.25	3.72	1.13	16.28	5.23	4.33	1.13	16.22	5.25	4.96	1.13	16.32	
		20	6.18	2.43	1.33	21.59	6.14	3.04	1.32	21.36	6.1	3.65	1.31	21.11	6.07	4.27	1.31	20.97	6.03	4.87	1.3	20.73	
	5	15	2.53	2.53	0.43	3.18	3.1	3.1	0.53	4.51	3.67	3.67	0.63	6	4.23	4.23	0.73	7.66	4.79	4.79	0.82	9.47	
		17	3.15	2.4	0.54	4.63	3.34	3.1	0.57	5.13	3.72	3.72	0.64	6.16	4.23	4.23	0.73	7.66	4.79	4.79	0.82	9.47	
		19	4.81	2.3	0.83	9.51	4.76	2.91	0.82	9.36	4.77	3.54	0.82	9.38	4.79	4.16	0.82	9.45	4.97	4.85	0.86	10.09	
		20	5.7	2.24	0.98	12.74	5.65	2.86	0.97	12.56	5.62	3.47	0.97	12.43	5.61	4.09	0.96	12.39	5.58	4.69	0.96	12.27	
	6	15	2.32	2.32	0.33	1.72	2.9	2.9	0.42	2.93	3.47	3.47	0.5	4.01	4.04	4.04	0.58	5.18	4.61	4.61	0.66	6.46	
		17	2.71	2.23	0.39	2.58	3.06	3	0.44	3.23	3.51	3.51	0.5	4.07	4.04	4.04	0.58	5.18	4.61	4.61	0.66	6.46	
		19	4.28	2.1	0.61	5.7	4.25	2.71	0.61	5.63	4.26	3.34	0.61	5.65	4.43	4.03	0.63	6.04	4.73	4.73	0.68	6.76	
		20	5.19	2.05	0.74	7.9	5.12	2.66	0.73	7.72	5.11	3.28	0.73	7.69	5.12	3.9	0.73	7.72	5.16	4.54	0.74	7.83	

(none)																							
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	
℃	℃	℃	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	2.33	2.33	0.67	6.58	2.9	2.9	0.83	9.57	3.47	3.47	1	13	4.04	4.04	1.16	16.85	4.6	4.6	1.32	21.1	
		17	2.78	2.26	0.8	8.9	3	2.97	0.86	10.1	3.47	3.47	1	13	4.04	4.04	1.16	16.85	4.6	4.6	1.32	21.1	
		19	4.39	2.14	1.26	19.51	4.36	2.76	1.25	19.26	4.38	3.39	1.26	19.37	4.4	4.01	1.26	19.53	4.63	4.63	1.33	21.4	
		20	5.3	2.09	1.52	26.99	5.24	2.7	1.51	26.52	5.21	3.32	1.5	26.23	5.2	3.94	1.49	26.16	5.17	4.54	1.49	25.91	
	4	15	2.14	2.14	0.46	3.47	2.71	2.71	0.58	5.2	3.28	3.28	0.71	7.19	3.85	3.85	0.83	9.44	4.41	4.41	0.95	11.92	
		17	2.38	2.11	0.51	4.16	2.76	2.76	0.59	5.36	3.29	3.29	0.71	7.2	3.85	3.85	0.83	9.44	4.41	4.41	0.95	11.93	
		19	3.9	1.95	0.84	9.63	3.87	2.57	0.83	9.51	3.89	3.2	0.84	9.58	4.07	3.89	0.87	10.35	4.43	4.43	0.95	12.01	
		20	4.8	1.91	1.03	13.76	4.72	2.51	1.02	13.38	4.71	3.13	1.01	13.35	4.73	3.76	1.02	13.42	4.77	4.39	1.03	13.62	
	5	15	1.94	1.94	0.33	1.81	2.52	2.52	0.43	3.13	3.09	3.09	0.53	4.43	3.66	3.66	0.63	5.9	4.23	4.23	0.73	7.53	
		17	2.08	2	0.36	2.18	2.54	2.54	0.44	3.18	3.09	3.09	0.53	4.43	3.66	3.66	0.63	5.9	4.23	4.23	0.73	7.53	
		19	3.36	1.76	0.58	5.08	3.36	2.39	0.58	5.1	3.47	3.05	0.6	5.38	3.8	3.79	0.65	6.28	4.24	4.24	0.73	7.56	
		20	4.23	1.7	0.72	7.4	4.2	2.32	0.72	7.45	4.19	2.94	0.72	7.4	4.25	3.59	0.73	7.59	4.46	4.28	0.77	8.26	
	6	15	1.72	1.72	0.25	0.75	2.32	2.32	0.33	1.82	2.9	2.9	0.42	2.9	3.47	3.47	0.5	3.94	4.04	4.04	0.58	5.09	
		17	1.8	1.8	0.26	0.82	2.33	2.33	0.33	1.85	2.9	2.9	0.42	2.9	3.47	3.47	0.5	3.94	4.04	4.04	0.58	5.09	
		19	2.8	1.56	0.4	2.73	2.84	2.2	0.41	2.79	3.15	2.94	0.45	3.33	3.56	3.56	0.51	4.11	4.04	4.04	0.58	5.1	
		20	3.73	1.52	0.54	4.45	3.65	2.13	0.52	4.27	3.65	2.75	0.52	4.27	3.87	3.45	0.56	4.73	4.2	4.19	0.6	5.44	
13	3	15	1.75	1.75	0.5	3.99	2.33	2.33	0.67	6.47	2.9	2.9	0.83	9.41	3.47	3.47	1	12.79	4.03	4.03	1.16	16.58	
		17	1.79	1.79	0.51	4.13	2.33	2.33	0.67	6.47	2.9	2.9	0.83	9.41	3.47	3.47	1	12.79	4.03	4.03	1.16	16.58	
		19	2.96	1.61	0.85	9.71	2.97	2.25	0.85	9.82	3.09	2.92	0.89	10.48	3.48	3.48	1	12.89	4.03	4.03	1.16	16.59	
		20	3.93	1.59	1.19	17.3	3.78	2.17	1.09	14.84	3.77	2.8	1.08	14.79	3.84	3.44	1.1	15.26	4.1	4.1	1.18	17.06	
	4	15	1.55	1.55	0.33	1.88	2.14	2.14	0.46	3.42	2.71	2.71	0.58	5.12	3.28	3.28	0.71	7.08	3.85	3.85	0.83	9.29	
		17	1.57	1.57	0.34	1.93	2.14	2.14	0.46	3.42	2.71	2.71	0.58	5.12	3.28	3.28	0.71	7.08	3.85	3.85	0.83	9.29	
		19	2.45	1.44	0.53	4.29	2.49	2.08	0.54	4.42	2.81	2.81	0.61	5.45	3.29	3.29	0.71	7.1	3.85	3.85	0.83	9.29	
		20	4.14	1.67	0.75	7.84	3.27	1.99	0.7	7.01	3.26	2.62	0.7	7	3.5	3.32	0.75	7.9	3.88	3.88	0.84	9.44	
	5	15	-	-	-	-	1.94	1.94	0.33	1.88	2.52	2.52	0.43	3.08	3.09	3.09	0.53	4.36	3.66	3.66	0.63	5.81	
		17	-	-	-	-	1.94	1.94	0.33	1.88	2.52	2.52	0.43	3.08	3.09	3.09	0.53	4.36	3.66	3.66	0.63	5.81	
		19	-	-	-	-	2.13	1.96	0.37	2.31	2.58	2.58	0.44	3.2	3.1	3.1	0.53	4.37	3.66	3.66	0.63	5.81	
		20	-	-	-	-	2.69	1.8	0.46	3.44	2.85	2.48	0.49	3.8	3.23	3.23	0.56	4.69	3.68	3.68	0.63	5.86	
	6	15	-	-	-	-	1.73	1.73	0.25	0.75	2.32	2.32	0.33	1.88	2.9	2.9	0.42	2.86	3.47	3.47	0.5	3.88	
		17	-	-	-	-	1.73	1.73	0.25	0.75	2.32	2.32	0.33	1.88	2.9	2.9	0.42	2.86	3.47	3.47	0.5	3.88	
		19	-	-	-	-	1.84	1.84	0.26	0.92	2.35	2.35	0.34	1.94	2.9	2.9	0.42	2.86	3.47	3.47	0.5	3.88	
		20	-	-	-	-	2.15	1.62	0.31	1.55	2.53	2.37	0.36	2.25	2.98	2.98	0.43	3	3.48	3.48	0.5	3.9	
15	3	15	-	-	-	-	1.75	1.75	0.5	3.93	2.33	2.33	0.67	6.37	2.9	2.9	0.83	9.26	3.46	3.46	0.99	12.59	
		17	-	-	-	-	1.75	1.75	0.5	3.93	2.33	2.33	0.67	6.37	2.9	2.9	0.83	9.27	3.46	3.46	0.99	12.59	
		19	-	-	-	-	1.82	1.82	0.52	4.19	2.33	2.33	0.67	6.37	2.9	2.9	0.83	9.27	3.46	3.46	1	12.59	
		20	-	-	-	-	2.33	1.68	0.67	6.35	2.48	2.36	0.71	7.08	2.91	2.91	0.84	9.34	3.46	3.46	1	12.6	
	4	15	-	-	-	-	1.55	1.55	0.33	1.92	2.14	2.14	0.46	3.36	2.71	2.71	0.58	5.04	3.28	3.28	0.71	6.97	
		17	-	-	-	-	1.55	1.55	0.33	1.92	2.14	2.14	0.46	3.37	2.71	2.71	0.58	5.04	3.28	3.28	0.71	6.97	
		19	-	-	-	-	1.58	1.58	0.34	2	2.14	2.14	0.46	3.37	2.71	2.71	0.58	5.04	3.28	3.28	0.71	6.97	
		20	-	-	-	-	1.83	1.52	0.39	2.59	2.22	2.22	0.48	3.58	2.72	2.72	0.58	5.05	3.28	3.28	0.71	6.97	
	5	15	-	-	-	-	-	-	-	-	1.94	1.94	0.33	1.91	2.52	2.52	0.43	3.04	3.09	3.09	0.53	4.29	
		17	-	-	-	-	-	-	-	-	1.94	1.94	0.33	1.91	2.52	2.52	0.43	3.04	3.09	3.09	0.53	4.29	
		19	-	-	-	-	-	-	-	-	1.94	1.94	0.33	1.91	2.52	2.52	0.43	3.04	3.09	3.09	0.53	4.3	
		20	-	-	-	-	-	-	-	-	1.98	1.98	0.34	1.99	2.52	2.52	0.43	3.04	3.09	3.09	0.53	4.3	
	6	15	-	-	-	-	-	-	-	-	1.73	1.73	0.25	0.79	2.32	2.32	0.33	1.9	2.9	2.9	0.42	2.82	
		17	-	-	-	-	-	-	-	-	1.73	1.73	0.25	0.79	2.32	2.32	0.33	1.9	2.9	2.9	0.42	2.82	
		19	-	-	-	-	-	-	-	-	1.73	1.73	0.25	0.79	2.32	2.32	0.33	1.9	2.9	2.9	0.42	2.82	
		20	-	-	-	-	-	-	-	-	1.75	1.75	0.25	0.83	2.32	2.32	0.33	1.9	2.9	2.9	0.42	2.82	

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)

MUC-24-W7																						
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
℃	℃	℃	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	5.61	4.45	1.61	31.1	5.6	5.16	1.6	30.99	5.85	5.85	1.68	33.48	6.46	6.46	1.85	39.83	7.09	7.09	2.03	46.83
		17	7.32	4.3	2.1	49.44	7.28	5	2.09	49	7.25	5.69	2.08	48.62	7.19	6.38	2.06	47.98	7.13	7.05	2.04	47.21
		19	9.17	4.14	2.63	73.48	9.12	4.84	2.62	72.81	9.07	5.53	2.61	72.17	9.03	6.23	2.59	71.57	8.85	6.85	2.54	69.05
		20	10.13	4.05	2.91	87.62	10.1	4.76	2.9	87.16	10.05	5.45	2.89	86.37	10	6.14	2.88	85.66	9.88	6.8	2.84	83.9
	4	15	5.15	4.24	1.1	16.25	5.22	4.99	1.12	16.66	5.63	5.63	1.21	18.93	6.25	6.25	1.34	22.71	6.88	6.88	1.48	26.8
		17	6.85	4.09	1.47	26.62	6.82	4.79	1.46	26.39	6.79	5.49	1.46	26.21	6.75	6.18	1.45	25.9	6.89	6.89	1.48	26.9
		19	8.71	3.94	1.87	40.33	8.66	4.64	1.86	39.94	8.61	5.33	1.85	39.58	8.57	6.02	1.84	39.26	8.44	6.67	1.81	38.19
		20	9.66	3.84	2.08	48.35	9.63	4.55	2.07	48.12	9.58	5.25	2.06	47.67	9.54	5.94	2.05	47.28	9.45	6.61	2.03	46.5
	5	15	4.68	4.03	0.8	9.36	4.92	4.85	0.84	10.23	5.41	5.41	0.93	12.01	6.04	6.04	1.04	14.51	6.67	6.67	1.14	17.21
		17	6.37	3.88	1.09	15.91	6.35	4.59	1.09	15.79	6.33	5.29	1.09	15.72	6.37	6.01	1.09	15.91	6.67	6.67	1.15	17.24
		19	8.23	3.73	1.41	24.74	8.18	4.43	1.41	24.48	8.14	5.13	1.4	24.26	8.1	5.82	1.39	24.07	8	6.48	1.37	23.54
		20	9.19	3.64	1.58	29.9	9.16	4.35	1.57	29.76	9.11	5.04	1.56	29.46	9.07	5.74	1.56	29.22	8.99	6.41	1.54	28.82
	6	15	4.28	3.86	0.61	5.88	4.65	4.65	0.67	6.79	5.19	5.19	0.74	8.17	5.83	5.83	0.83	9.95	6.46	6.46	0.92	11.86
		17	5.86	3.66	0.84	10.05	5.85	4.37	0.84	10	5.86	5.09	0.84	10.03	6.06	5.88	0.87	10.64	6.46	6.46	0.92	11.87
		19	7.75	3.53	1.11	16.19	7.69	4.22	1.1	16	7.65	4.92	1.09	15.85	7.62	5.61	1.09	15.74	7.53	6.28	1.08	15.44
		20	8.7	3.43	1.24	19.77	8.67	4.15	1.24	19.67	8.62	4.84	1.23	19.46	8.58	5.53	1.23	19.3	8.52	6.21	1.22	19.07
7	3	15	4.29	3.87	1.23	19.3	4.59	4.59	1.31	21.66	5.19	5.19	1.49	26.83	5.83	5.83	1.67	32.77	6.46	6.46	1.85	39.18
		17	5.98	3.71	1.71	34.22	5.95	4.42	1.71	33.97	5.94	5.12	1.7	33.83	5.98	5.85	1.72	34.31	6.46	6.46	1.85	39.19
		19	7.83	3.56	2.25	54.91	7.78	4.26	2.23	54.25	7.73	4.95	2.22	53.73	7.7	5.65	2.21	53.29	7.63	6.33	2.19	52.51
		20	8.78	3.47	2.52	67.1	8.75	4.18	2.52	66.77	8.7	4.87	2.5	66.05	8.65	5.57	2.49	65.48	8.61	6.25	2.47	64.85
	4	15	3.92	3.71	0.84	10.02	4.36	4.36	0.94	12.02	4.98	4.98	1.07	15.12	5.62	5.62	1.21	18.59	6.25	6.25	1.34	22.34
		17	5.48	3.5	1.18	17.79	5.46	4.21	1.17	17.72	5.47	4.92	1.18	17.76	5.71	5.71	1.23	19.11	6.25	6.25	1.34	22.35
		19	7.35	3.36	1.58	29.58	7.29	4.05	1.57	29.18	7.25	4.75	1.56	28.91	7.22	5.45	1.55	28.7	7.17	6.13	1.54	28.32
		20	8.29	3.27	1.78	36.51	8.27	3.98	1.78	36.31	8.21	4.67	1.77	35.9	8.17	5.37	1.76	35.6	8.13	6.05	1.75	35.26
	5	15	3.62	3.58	0.62	5.95	4.13	4.13	0.71	7.47	4.77	4.77	0.82	9.53	5.4	5.4	0.93	11.81	6.04	6.04	1.04	14.28
		17	4.93	3.28	0.85	10.09	4.95	4	0.85	10.16	5.09	4.76	0.87	10.65	5.46	5.46	0.94	12.02	6.04	6.04	1.04	14.28
		19	6.84	3.15	1.18	17.7	6.78	3.85	1.17	17.43	6.75	4.55	1.16	17.28	7.17	5.92	1.29	30.94	6.69	5.94	1.15	17.02
		20	7.79	3.06	1.34	22.17	7.76	3.77	1.33	22.02	7.71	4.47	1.32	21.75	7.67	5.16	1.32	21.58	7.64	5.85	1.31	21.39
	6	15	3.34	3.34	0.48	3.81	3.91	3.91	0.56	4.97	4.55	4.55	0.65	6.43	5.19	5.19	0.74	8.04	5.82	5.82	0.83	9.79
		17	4.43	3.07	0.63	6.12	4.47	3.8	0.64	6.22	4.77	4.63	0.68	6.96	5.22	5.22	0.75	8.13	5.82	5.82	0.83	9.79
		19	6.29	2.93	0.9	11.15	6.24	3.63	0.89	11	6.22	4.34	0.89	10.94	6.21	5.05	0.89	10.93	6.29	5.78	0.9	11.15
		20	7.28	2.86	1.04	14.32	7.24	3.56	1.04	14.18	7.18	4.26	1.03	14	7.16	4.96	1.02	13.92	7.13	5.65	1.02	13.82
9	3	15	3.29	3.29	0.94	12.04	3.91	3.91	1.12	16.22	4.55	4.55	1.31	21.05	5.19	5.19	1.49	26.41	5.82	5.82	1.67	32.25
		17	4.52	3.11	1.3	20.77	4.55	3.83	1.3	21	4.7	4.61	1.35	22.23	5.19	5.19	1.49	26.41	5.82	5.82	1.67	32.25
		19	6.42	2.98	1.84	38.22	6.35	3.68	1.82	37.55	6.32	4.38	1.82	37.23	6.31	5.08	1.81	37.06	6.26	5.77	1.8	36.59
		20	7.37	2.89	2.12	48.65	7.33	3.6	2.11	48.26	7.28	4.29	2.09	47.61	7.24	4.99	2.08	47.24	7.2	5.68	2.07	46.8
	4	15	3.06	3.06	0.66	6.48	3.7	3.7	0.8	8.95	4.34	4.34	0.93	11.76	4.98	4.98	1.07	14.88	5.61	5.61	1.21	18.3
		17	4.03	2.91	0.87	10.35	4.08	3.65	0.88	10.55	4.42	4.42	0.95	12.14	4.98	4.98	1.07	14.89	5.61	5.61	1.21	18.3
		19	5.88	2.77	1.26	19.81	5.82	3.47	1.25	19.49	5.81	4.18	1.25	19.4	5.81	4.88	1.25	19.4	5.88	5.62	1.26	19.83
		20	6.86	2.7	1.47	25.87	6.81	3.4	1.46	25.57	6.76	4.09	1.45	25.23	6.73	4.79	1.45	25.08	6.71	5.49	1.44	24.89
	5	15	2.83	2.83	0.49	3.88	3.48	3.48	0.6	5.5	4.13	4.13	0.71	7.34	4.77	4.77	0.82	9.38	5.4	5.4	0.93	11.62
		17	3.49	2.7	0.6	5.51	3.72	3.51	0.64	6.14	4.17	4.17	0.72	7.48	4.77	4.77	0.82	9.39	5.4	5.4	0.93	11.63
		19	5.32	2.56	0.91	11.32	5.25	3.25	0.9	11.07	5.26	3.97	0.9	11.1	5.32	4.7	0.91	11.32	5.58	5.5	0.96	12.28
		20	6.31	2.49	1.09	15.19	6.25	3.18	1.08	14.93	6.21	3.89	1.07	14.77	6.21	4.59	1.07	14.74	6.19	5.29	1.06	14.69
	6	15	2.6	2.6	0.37	2.36	3.26	3.26	0.47	3.6	3.91	3.91	0.56	4.89	4.55	4.55	0.65	6.33	5.19	5.19	0.74	7.92
		17	3.01	2.52	0.43	3.13	3.41	3.39	0.49	3.88	3.94	3.94	0.56	4.95	4.55	4.55	0.65	6.33	5.19	5.19	0.74	7.92
		19	4.73	2.33	0.68	6.75	4.69	3.04	0.67	6.66	4.7	3.75	0.67	6.67	4.93	4.55	0.71	7.26	5.31	5.31	0.76	8.22
		20	6.96	2.73	0.83	9.53	5.67	2.97	0.81	9.19	5.62	3.67	0.81	9.07	5.65	4.39	0.81	9.14	5.74	5.13	0.82	9.41

(Continued)

MUC-24-W7																						
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	2.62	2.62	0.75	8.04	3.27	3.27	0.94	11.73	3.91	3.91	1.12	15.96	4.55	4.55	1.31	20.73	5.18	5.18	1.49	26
		17	3.09	2.55	0.89	10.66	3.34	3.34	0.96	12.18	3.91	3.91	1.12	15.97	4.55	4.55	1.31	20.73	5.18	5.18	1.49	26
		19	4.88	2.39	1.4	23.36	4.8	3.08	1.38	22.7	4.83	3.8	1.39	22.96	4.89	4.53	1.4	23.47	5.21	5.21	1.5	26.25
		20	5.87	2.32	1.69	32.26	5.8	3.01	1.67	31.58	5.76	3.72	1.65	31.24	5.76	4.43	1.65	31.24	5.75	5.13	1.65	31.15
	4	15	2.4	2.4	0.52	4.23	3.05	3.05	0.66	6.36	3.7	3.7	0.8	8.81	4.34	4.34	0.93	11.58	4.97	4.97	1.07	14.65
		17	2.66	2.39	0.57	5.02	3.09	3.09	0.66	6.48	3.7	3.7	0.8	8.81	4.34	4.34	0.93	11.59	4.97	4.97	1.07	14.66
		19	4.31	2.18	0.93	11.43	4.27	2.88	0.92	11.24	4.28	3.6	0.92	11.3	4.54	4.4	0.98	12.5	4.99	4.99	1.07	14.72
		20	5.31	2.12	1.14	16.4	5.22	2.8	1.12	15.92	5.19	3.51	1.12	15.75	5.22	4.23	1.12	15.93	5.32	4.97	1.14	16.44
	5	15	2.18	2.18	0.37	2.4	2.83	2.83	0.49	3.82	3.48	3.48	0.6	5.41	4.13	4.13	0.71	7.23	4.76	4.76	0.82	9.24
		17	2.32	2.26	0.4	2.7	2.85	2.85	0.49	3.86	3.48	3.48	0.6	5.42	4.13	4.13	0.71	7.23	4.76	4.76	0.82	9.24
		19	3.71	1.96	0.64	6.03	3.7	2.68	0.64	6	3.85	3.44	0.66	6.4	4.25	4.25	0.73	7.6	4.77	4.77	0.82	9.26
		20	5.27	2.1	0.88	10.37	4.64	2.6	0.8	8.83	4.63	3.31	0.8	8.79	4.7	4.04	0.81	9.02	4.99	4.85	0.86	9.99
	6	15	1.94	1.94	0.28	1	2.61	2.61	0.37	2.39	3.26	3.26	0.47	3.54	3.91	3.91	0.56	4.82	4.55	4.55	0.65	6.24
		17	2.01	2.01	0.29	1.15	2.61	2.61	0.37	2.4	3.26	3.26	0.47	3.55	3.91	3.91	0.56	4.82	4.55	4.55	0.65	6.24
		19	3.09	1.74	0.44	3.23	3.15	2.48	0.45	3.33	3.5	3.32	0.5	3.99	3.99	3.99	0.57	4.98	4.55	4.55	0.65	6.24
		20	4.76	1.92	0.68	6.72	4.04	2.38	0.58	5.08	4.04	3.1	0.58	5.08	4.3	3.9	0.62	5.65	4.7	4.7	0.67	6.59
13	3	15	1.97	1.97	0.57	4.87	2.62	2.62	0.75	7.92	3.27	3.27	0.94	11.54	3.91	3.91	1.12	15.72	4.54	4.54	1.31	20.41
		17	2	2	0.57	5	2.62	2.62	0.75	7.92	3.27	3.27	0.94	11.55	3.91	3.91	1.12	15.72	4.54	4.54	1.31	20.41
		19	3.29	1.81	0.94	11.66	3.29	2.53	0.94	11.65	3.43	3.29	0.98	12.53	3.92	3.92	1.12	15.78	4.55	4.55	1.31	20.42
		20	4.54	1.84	1.11	15.38	4.18	2.43	1.2	17.66	4.17	3.14	1.2	17.56	4.25	3.88	1.22	18.19	4.6	4.6	1.32	20.83
	4	15	1.74	1.74	0.38	2.41	2.4	2.4	0.52	4.17	3.05	3.05	0.66	6.26	3.7	3.7	0.8	8.68	4.34	4.34	0.93	11.41
		17	1.76	1.76	0.38	2.44	2.4	2.4	0.52	4.17	3.05	3.05	0.66	6.26	3.7	3.7	0.8	8.68	4.34	4.34	0.93	11.41
		19	2.72	1.61	0.59	5.17	2.76	2.35	0.59	5.27	3.14	3.14	0.68	6.56	3.7	3.7	0.8	8.69	4.34	4.34	0.93	11.41
		20	4.38	1.78	0.94	11.59	3.61	2.24	0.78	8.33	3.61	2.95	0.78	8.33	3.89	3.76	0.84	9.48	4.36	4.36	0.94	11.53
	5	15	-	-	-	-	2.18	2.18	0.37	2.39	2.83	2.83	0.49	3.76	3.48	3.48	0.6	5.33	4.12	4.12	0.71	7.12
		17	-	-	-	-	2.18	2.18	0.37	2.39	2.84	2.84	0.49	3.76	3.48	3.48	0.6	5.34	4.12	4.12	0.71	7.12
		19	-	-	-	-	2.38	2.22	0.41	2.8	2.88	2.88	0.5	3.87	3.48	3.48	0.6	5.34	4.13	4.13	0.71	7.12
		20	-	-	-	-	2.97	2.02	0.51	4.07	3.18	2.81	0.55	4.55	3.6	3.6	0.62	5.65	4.14	4.14	0.71	7.16
	6	15	-	-	-	-	1.94	1.94	0.28	1.09	2.61	2.61	0.37	2.38	3.26	3.26	0.47	3.49	3.91	3.91	0.56	4.75
		17	-	-	-	-	1.94	1.94	0.28	1.09	2.61	2.61	0.37	2.38	3.26	3.26	0.47	3.5	3.91	3.91	0.56	4.75
		19	-	-	-	-	2.06	2.06	0.3	1.35	2.63	2.63	0.38	2.42	3.26	3.26	0.47	3.5	3.91	3.91	0.56	4.75
		20	-	-	-	-	2.39	1.83	0.34	2	2.82	2.69	0.4	2.72	3.34	3.34	0.48	3.63	3.92	3.92	0.56	4.76
15	3	15	-	-	-	-	1.97	1.97	0.57	4.8	2.62	2.62	0.75	7.8	3.26	3.26	0.94	11.37	3.9	3.9	1.12	15.49
		17	-	-	-	-	1.97	1.97	0.57	4.8	2.62	2.62	0.75	7.8	3.27	3.27	0.94	11.38	3.9	3.9	1.12	15.49
		19	-	-	-	-	2.04	2.04	0.58	5.07	2.62	2.62	0.75	7.8	3.27	3.27	0.94	11.38	3.91	3.91	1.12	15.49
		20	-	-	-	-	2.57	1.89	0.74	7.52	2.78	2.67	0.8	8.61	3.27	3.27	0.94	11.41	3.91	3.91	1.12	15.5
	4	15	-	-	-	-	1.75	1.75	0.38	2.39	2.4	2.4	0.52	4.11	3.05	3.05	0.66	6.17	3.69	3.69	0.8	8.55
		17	-	-	-	-	1.75	1.75	0.38	2.39	2.4	2.4	0.52	4.11	3.05	3.05	0.66	6.17	3.69	3.69	0.8	8.55
		19	-	-	-	-	1.78	1.78	0.38	2.46	2.4	2.4	0.52	4.11	3.05	3.05	0.66	6.17	3.7	3.7	0.8	8.55
		20	-	-	-	-	2.03	1.71	0.44	3.09	2.49	2.49	0.54	4.35	3.05	3.05	0.66	6.17	3.7	3.7	0.8	8.55
	5	15	-	-	-	-	-	-	-	-	2.18	2.18	0.38	2.37	2.83	2.83	0.49	3.71	3.48	3.48	0.6	5.26
		17	-	-	-	-	-	-	-	-	2.18	2.18	0.38	2.37	2.84	2.84	0.49	3.71	3.48	3.48	0.6	5.26
		19	-	-	-	-	-	-	-	-	2.18	2.18	0.38	2.37	2.84	2.84	0.49	3.71	3.48	3.48	0.6	5.26
		20	-	-	-	-	-	-	-	-	2.22	2.22	0.38	2.45	2.84	2.84	0.49	3.71	3.48	3.48	0.6	5.26
	6	15	-	-	-	-	-	-	-	-	1.94	1.94	0.28	1.18	2.61	2.61	0.37	2.36	3.26	3.26	0.47	3.44
		17	-	-	-	-	-	-	-	-	1.94	1.94	0.28	1.19	2.61	2.61	0.38	2.36	3.26	3.26	0.47	3.44
		19	-	-	-	-	-	-	-	-	1.94	1.94	0.28	1.19	2.61	2.61	0.38	2.36	3.27	3.27	0.47	3.45
		20	-	-	-	-	-	-	-	-	1.96	1.96	0.28	1.23	2.61	2.61	0.38	2.36	3.27	3.27	0.47	3.45

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)

Heating Capacity Table

(none)													
EWT	ΔT	Indoor temperature (D.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	5	1.82	0.31	5.91	1.64	0.28	4.95	1.46	0.25	4.06	1.28	0.22	3.26
	6	1.77	0.25	4.13	1.59	0.23	3.44	1.41	0.2	2.81	1.23	0.18	2.23
	8	1.66	0.18	2.29	1.48	0.16	1.89	1.3	0.14	1.52	1.12	0.12	1.18
	10	1.55	0.13	1.41	1.37	0.12	1.13	1.19	0.1	0.8	1.01	0.09	0.46
	12	1.44	0.1	0.8	1.25	0.09	0.51	1.07	0.08	0.36	0.88	0.06	0.29
45	5	2.25	0.39	8.35	2.07	0.36	7.22	1.89	0.33	6.17	1.71	0.3	5.2
	6	2.2	0.32	5.87	2.02	0.29	5.07	1.84	0.27	4.32	1.66	0.24	3.62
	8	2.1	0.23	3.32	1.92	0.21	2.85	1.74	0.19	2.41	1.56	0.17	2
	10	1.99	0.17	2.09	1.81	0.16	1.78	1.63	0.14	1.49	1.45	0.13	1.22
	12	1.88	0.14	1.41	1.7	0.12	1.18	1.52	0.11	0.96	1.34	0.1	0.71
50	5	2.68	0.47	11.09	2.5	0.43	9.81	2.32	0.4	8.6	2.14	0.37	7.48
	6	2.63	0.38	7.84	2.45	0.35	6.92	2.27	0.33	6.06	2.09	0.3	5.25
	8	2.53	0.27	4.48	2.35	0.26	3.94	2.17	0.24	3.43	1.99	0.22	2.96
	10	2.43	0.21	2.86	2.25	0.19	2.5	2.06	0.18	2.17	1.88	0.16	1.85
	12	2.32	0.17	1.95	2.14	0.15	1.7	1.96	0.14	1.46	1.78	0.13	1.24
55	5	3.12	0.54	14.11	2.93	0.51	12.68	2.75	0.48	11.33	2.57	0.45	10.06
	6	3.07	0.44	10	2.88	0.42	8.98	2.7	0.39	8.01	2.52	0.37	7.1
	8	2.97	0.32	5.76	2.78	0.3	5.15	2.6	0.28	4.58	2.42	0.26	4.04
	10	2.86	0.25	3.71	2.68	0.23	3.31	2.5	0.22	2.93	2.32	0.2	2.57
	12	2.76	0.2	2.56	2.58	0.19	2.27	2.39	0.17	2	2.21	0.16	1.75
60	5	3.55	0.62	17.4	3.36	0.59	15.82	3.18	0.55	14.33	2.99	0.52	12.92
	6	3.5	0.51	12.36	3.31	0.48	11.23	3.13	0.45	10.16	2.94	0.43	9.15
	8	3.4	0.37	7.15	3.21	0.35	6.48	3.03	0.33	5.85	2.85	0.31	5.25
	10	3.3	0.29	4.63	3.11	0.27	4.19	2.93	0.26	3.77	2.75	0.24	3.37
	12	3.2	0.23	3.22	3.01	0.22	2.9	2.83	0.21	2.61	2.64	0.19	2.32
MUC-07-W7													
EWT	ΔT	Indoor temperature (D.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	5	2.39	0.41	9.5	2.16	0.37	7.94	1.92	0.33	6.51	1.69	0.29	5.22
	6	2.32	0.34	6.61	2.09	0.3	5.5	1.85	0.27	4.49	1.62	0.23	3.56
	8	2.18	0.24	3.65	1.95	0.21	3	1.71	0.19	2.41	1.48	0.16	1.88
	10	2.04	0.18	2.24	1.8	0.16	1.81	1.56	0.14	1.43	1.32	0.11	1.05
	12	1.89	0.14	1.45	1.64	0.12	1.12	1.4	0.1	0.73	1.15	0.08	0.41
45	5	2.96	0.51	13.46	2.73	0.47	11.64	2.49	0.43	9.94	2.25	0.39	8.38
	6	2.9	0.42	9.45	2.66	0.38	8.14	2.42	0.35	6.93	2.19	0.32	5.82
	8	2.76	0.3	5.31	2.52	0.27	4.55	2.28	0.25	3.84	2.05	0.22	3.19
	10	2.62	0.23	3.33	2.38	0.21	2.83	2.14	0.19	2.37	1.91	0.17	1.94
	12	2.47	0.18	2.23	2.23	0.16	1.88	1.99	0.14	1.55	1.75	0.13	1.25
50	5	3.53	0.61	17.92	3.29	0.57	15.85	3.06	0.53	13.91	2.82	0.49	12.09
	6	3.47	0.5	12.64	3.23	0.47	11.16	2.99	0.43	9.77	2.75	0.4	8.47
	8	3.33	0.36	7.19	3.09	0.34	6.32	2.85	0.31	5.51	2.62	0.28	4.74
	10	3.2	0.28	4.57	2.96	0.26	4	2.72	0.24	3.46	2.48	0.22	2.96
	12	3.05	0.22	3.11	2.81	0.2	2.71	2.57	0.19	2.33	2.34	0.17	1.97
55	5	4.1	0.71	22.85	3.86	0.67	20.54	3.62	0.63	18.36	3.38	0.59	16.3
	6	4.04	0.59	16.18	3.8	0.55	14.52	3.56	0.52	12.95	3.32	0.48	11.48
	8	3.9	0.42	9.28	3.66	0.4	8.3	3.42	0.37	7.38	3.19	0.35	6.51
	10	3.77	0.33	5.95	3.53	0.31	5.31	3.29	0.29	4.7	3.05	0.27	4.13
	12	3.63	0.26	4.09	3.39	0.25	3.64	3.15	0.23	3.21	2.91	0.21	2.8
60	5	4.67	0.81	28.23	4.43	0.77	25.69	4.19	0.73	23.27	3.95	0.69	20.97
	6	4.61	0.67	20.03	4.36	0.63	18.21	4.12	0.6	16.47	3.88	0.56	14.83
	8	4.48	0.49	11.55	4.23	0.46	10.47	3.99	0.43	9.45	3.75	0.41	8.48
	10	4.34	0.38	7.46	4.1	0.36	6.75	3.86	0.34	6.07	3.62	0.32	5.43
	12	4.21	0.31	5.17	3.96	0.29	4.66	3.72	0.27	4.18	3.48	0.25	3.73

Abbreviations:

Δt: Temperature Difference (°C)

TH: Total Heating Capacity (kW)

WF: Water Flow
(m³/h)

WPD: Water Pressure Drop (kPa)

(none)													
EWT	ΔT	Indoor temperature (D.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	5	3.11	0.54	14.44	2.81	0.49	12.07	2.51	0.43	9.9	2.2	0.38	7.93
	6	3.02	0.44	10.02	2.72	0.39	8.34	2.41	0.35	6.79	2.11	0.3	5.4
	8	2.84	0.31	5.5	2.53	0.27	4.52	2.23	0.24	3.63	1.92	0.21	2.82
	10	2.65	0.23	3.35	2.34	0.2	2.71	2.03	0.18	2.13	1.72	0.15	1.61
	12	2.44	0.18	2.16	2.13	0.15	1.72	1.82	0.13	1.31	1.49	0.11	0.85
45	5	3.86	0.67	20.53	3.55	0.62	17.77	3.25	0.56	15.19	2.95	0.51	12.81
	6	3.77	0.55	14.37	3.46	0.5	12.4	3.16	0.46	10.56	2.86	0.41	8.86
	8	3.59	0.39	8.05	3.28	0.36	6.89	2.98	0.32	5.82	2.67	0.29	4.83
	10	3.4	0.29	5.02	3.1	0.27	4.27	2.79	0.24	3.57	2.48	0.21	2.92
	12	3.21	0.23	3.34	2.9	0.21	2.81	2.59	0.19	2.32	2.28	0.16	1.87
50	5	4.61	0.8	27.42	4.3	0.75	24.27	3.99	0.69	21.32	3.68	0.64	18.54
	6	4.52	0.65	19.3	4.21	0.61	17.05	3.9	0.57	14.94	3.6	0.52	12.96
	8	4.34	0.47	10.94	4.03	0.44	9.62	3.72	0.4	8.38	3.42	0.37	7.22
	10	4.16	0.36	6.92	3.85	0.33	6.06	3.54	0.31	5.25	3.23	0.28	4.49
	12	3.97	0.29	4.69	3.66	0.26	4.08	3.35	0.24	3.51	3.04	0.22	2.97
55	5	5.35	0.93	35.04	5.04	0.88	31.54	4.73	0.82	28.21	4.42	0.77	25.07
	6	5.26	0.76	24.76	4.95	0.72	22.25	4.64	0.67	19.87	4.34	0.63	17.62
	8	5.09	0.55	14.14	4.78	0.52	12.67	4.47	0.49	11.27	4.16	0.45	9.96
	10	4.91	0.43	9.04	4.6	0.4	8.07	4.29	0.37	7.15	3.98	0.35	6.29
	12	4.73	0.34	6.2	4.41	0.32	5.51	4.1	0.3	4.86	3.8	0.27	4.25
60	5	6.09	1.06	43.37	5.78	1.01	39.51	5.47	0.95	35.84	5.16	0.9	32.34
	6	6.01	0.87	30.72	5.69	0.83	27.96	5.38	0.78	25.33	5.08	0.74	22.82
	8	5.83	0.64	17.65	5.52	0.6	16.03	5.21	0.57	14.48	4.9	0.53	13.01
	10	5.66	0.49	11.36	5.34	0.47	10.29	5.03	0.44	9.27	4.72	0.41	8.3
	12	5.48	0.4	7.85	5.16	0.37	7.09	4.85	0.35	6.36	4.54	0.33	5.68
MUC-11-W7													
EWT	ΔT	Indoor temperature (D.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	5	3.32	0.58	16.17	3	0.52	13.52	2.68	0.46	11.09	2.35	0.41	8.88
	6	3.23	0.47	11.22	2.9	0.42	9.33	2.58	0.37	7.6	2.25	0.33	6.04
	8	3.03	0.33	6.15	2.7	0.29	5.05	2.38	0.26	4.05	2.05	0.22	3.15
	10	2.82	0.24	3.74	2.49	0.22	3.03	2.16	0.19	2.38	1.83	0.16	1.8
	12	2.61	0.19	2.41	2.27	0.16	1.91	1.94	0.14	1.46	1.59	0.11	1.01
45	5	4.12	0.71	23.01	3.79	0.66	19.91	3.47	0.6	17.02	3.14	0.55	14.35
	6	4.03	0.58	16.1	3.7	0.53	13.89	3.37	0.49	11.83	3.05	0.44	9.93
	8	3.83	0.42	9.01	3.5	0.38	7.71	3.18	0.34	6.51	2.85	0.31	5.41
	10	3.63	0.31	5.61	3.3	0.29	4.77	2.97	0.26	3.99	2.65	0.23	3.27
	12	3.43	0.25	3.74	3.09	0.22	3.14	2.76	0.2	2.59	2.43	0.18	2.09
50	5	4.92	0.85	30.75	4.59	0.8	27.22	4.26	0.74	23.9	3.93	0.68	20.79
	6	4.82	0.7	21.63	4.49	0.65	19.11	4.16	0.6	16.74	3.84	0.56	14.52
	8	4.63	0.5	12.25	4.3	0.47	10.77	3.97	0.43	9.39	3.65	0.4	8.09
	10	4.44	0.38	7.75	4.11	0.36	6.78	3.78	0.33	5.87	3.45	0.3	5.02
	12	4.24	0.31	5.25	3.91	0.28	4.56	3.58	0.26	3.92	3.25	0.23	3.32
55	5	5.71	0.99	39.31	5.38	0.94	35.38	5.05	0.88	31.65	4.72	0.82	28.13
	6	5.62	0.81	27.76	5.29	0.77	24.95	4.96	0.72	22.28	4.63	0.67	19.76
	8	5.43	0.59	15.85	5.1	0.55	14.2	4.77	0.52	12.63	4.44	0.48	11.16
	10	5.24	0.46	10.13	4.91	0.43	9.04	4.58	0.4	8.01	4.25	0.37	7.04
	12	5.04	0.37	6.94	4.71	0.34	6.17	4.38	0.32	5.44	4.05	0.29	4.75
60	5	6.51	1.13	48.67	6.17	1.08	44.35	5.84	1.02	40.22	5.51	0.96	36.3
	6	6.41	0.93	34.47	6.08	0.88	31.37	5.75	0.84	28.42	5.42	0.79	25.61
	8	6.23	0.68	19.79	5.89	0.64	17.97	5.56	0.61	16.24	5.23	0.57	14.59
	10	6.04	0.53	12.73	5.7	0.5	11.53	5.37	0.47	10.39	5.04	0.44	9.3
	12	5.85	0.42	8.79	5.51	0.4	7.94	5.18	0.38	7.12	4.85	0.35	6.36

Abbreviations:

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

MUC-16-W7													
EWT	ΔT	Indoor temperature (D.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	5	4.38	0.76	16.84	3.95	0.68	14.07	3.52	0.61	11.53	3.09	0.54	9.23
	6	4.26	0.61	11.72	3.82	0.55	9.74	3.39	0.49	7.94	2.97	0.43	6.3
	8	4.01	0.43	6.47	3.57	0.39	5.32	3.14	0.34	4.27	2.71	0.29	3.32
	10	3.74	0.32	3.96	3.31	0.29	3.21	2.87	0.25	2.53	2.43	0.21	1.91
	12	3.47	0.25	2.58	3.03	0.22	2.05	2.58	0.19	1.55	2.13	0.15	0.96
45	5	5.42	0.94	23.87	4.98	0.86	20.63	4.55	0.79	17.61	4.12	0.72	14.83
	6	5.3	0.77	16.75	4.86	0.7	14.43	4.43	0.64	12.28	4	0.58	10.3
	8	5.05	0.55	9.42	4.62	0.5	8.06	4.19	0.45	6.8	3.76	0.41	5.65
	10	4.8	0.42	5.91	4.36	0.38	5.01	3.93	0.34	4.19	3.5	0.3	3.43
	12	4.54	0.33	3.95	4.1	0.3	3.32	3.66	0.26	2.74	3.23	0.23	2.21
50	5	6.46	1.12	31.81	6.02	1.05	28.11	5.58	0.97	24.65	5.15	0.9	21.41
	6	6.34	0.92	22.43	5.9	0.85	19.79	5.46	0.79	17.31	5.03	0.73	14.99
	8	6.1	0.66	12.76	5.66	0.61	11.21	5.22	0.57	9.75	4.79	0.52	8.4
	10	5.85	0.51	8.11	5.41	0.47	7.09	4.98	0.43	6.13	4.54	0.39	5.24
	12	5.6	0.4	5.52	5.16	0.37	4.79	4.72	0.34	4.12	4.29	0.31	3.49
55	5	7.5	1.3	40.58	7.05	1.23	36.46	6.61	1.15	32.55	6.18	1.08	28.88
	6	7.38	1.07	28.72	6.94	1.01	25.76	6.5	0.94	22.97	6.06	0.88	20.34
	8	7.14	0.78	16.46	6.7	0.73	14.72	6.26	0.68	13.08	5.82	0.63	11.53
	10	6.9	0.6	10.56	6.46	0.56	9.41	6.02	0.52	8.33	5.58	0.49	7.31
	12	6.65	0.48	7.26	6.21	0.45	6.44	5.77	0.42	5.68	5.33	0.39	4.96
60	5	8.54	1.49	50.16	8.09	1.41	45.61	7.64	1.33	41.29	7.2	1.26	37.19
	6	8.42	1.22	35.58	7.97	1.16	32.32	7.53	1.09	29.22	7.09	1.03	26.29
	8	8.18	0.89	20.51	7.74	0.84	18.58	7.29	0.79	16.76	6.85	0.75	15.03
	10	7.94	0.69	13.23	7.5	0.65	11.96	7.05	0.61	10.76	6.62	0.58	9.62
	12	7.7	0.56	9.16	7.25	0.53	8.26	6.81	0.49	7.41	6.37	0.46	6.6
(none)													
EWT	ΔT	Indoor temperature (D.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	5	4.78	0.83	19.6	4.31	0.75	16.36	3.84	0.66	13.41	3.37	0.58	10.73
	6	4.64	0.67	13.63	4.17	0.6	11.33	3.7	0.53	9.23	3.24	0.47	7.32
	8	4.37	0.47	7.51	3.9	0.42	6.17	3.43	0.37	4.95	2.96	0.32	3.85
	10	4.08	0.35	4.6	3.61	0.31	3.72	3.13	0.27	2.93	2.65	0.23	2.21
	12	3.79	0.27	2.98	3.3	0.24	2.37	2.82	0.2	1.81	2.32	0.17	1.23
45	5	5.91	1.03	27.81	5.44	0.94	24.02	4.97	0.86	20.51	4.5	0.78	17.27
	6	5.78	0.84	19.5	5.31	0.77	16.8	4.84	0.7	14.29	4.37	0.63	11.98
	8	5.51	0.6	10.95	5.04	0.55	9.37	4.57	0.49	7.91	4.1	0.44	6.56
	10	5.24	0.45	6.86	4.76	0.41	5.82	4.29	0.37	4.86	3.81	0.33	3.98
	12	4.95	0.36	4.58	4.47	0.32	3.85	4	0.29	3.18	3.52	0.25	2.56
50	5	7.05	1.22	37.08	6.57	1.14	32.77	6.09	1.06	28.73	5.62	0.98	24.95
	6	6.92	1	26.13	6.44	0.93	23.05	5.96	0.86	20.16	5.49	0.8	17.46
	8	6.65	0.72	14.85	6.18	0.67	13.04	5.7	0.62	11.35	5.23	0.57	9.77
	10	6.39	0.55	9.43	5.91	0.51	8.24	5.43	0.47	7.12	4.96	0.43	6.09
	12	6.11	0.44	6.41	5.63	0.41	5.57	5.15	0.37	4.78	4.68	0.34	4.05
55	5	8.18	1.42	47.33	7.7	1.34	42.52	7.22	1.26	37.97	6.74	1.17	33.68
	6	8.05	1.17	33.48	7.57	1.1	30.03	7.09	1.03	26.78	6.62	0.96	23.71
	8	7.79	0.85	19.17	7.31	0.79	17.14	6.83	0.74	15.23	6.36	0.69	13.43
	10	7.53	0.65	12.28	7.05	0.61	10.95	6.57	0.57	9.69	6.09	0.53	8.5
	12	7.26	0.53	8.44	6.77	0.49	7.49	6.29	0.46	6.6	5.82	0.42	5.76
60	5	9.31	1.62	58.52	8.83	1.54	53.22	8.34	1.45	48.18	7.86	1.37	43.4
	6	9.19	1.33	41.5	8.7	1.26	37.7	8.22	1.19	34.09	7.74	1.12	30.67
	8	8.93	0.97	23.9	8.44	0.92	21.66	7.96	0.87	19.53	7.48	0.81	17.52
	10	8.67	0.75	15.41	8.18	0.71	13.93	7.7	0.67	12.53	7.22	0.63	11.2
	12	8.4	0.61	10.67	7.92	0.57	9.61	7.43	0.54	8.62	6.95	0.5	7.68

Abbreviations:

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

MUC-19-W7													
EWT	ΔT	Indoor temperature (D.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	5	5.68	0.98	10.84	5.12	0.89	9.06	4.56	0.79	7.43	4.01	0.7	5.95
	6	5.51	0.8	7.53	4.95	0.71	6.26	4.39	0.63	5.1	3.84	0.55	4.05
	8	5.17	0.56	4.13	4.61	0.5	3.39	4.05	0.44	2.72	3.49	0.38	2.12
	10	4.81	0.42	2.51	4.25	0.37	2.03	3.68	0.32	1.6	3.12	0.27	1.21
	12	4.44	0.32	1.62	3.87	0.28	1.29	3.29	0.24	0.96	2.71	0.2	0.56
45	5	7.04	1.22	15.42	6.48	1.12	13.34	5.92	1.03	11.4	5.36	0.93	9.61
	6	6.87	0.99	10.79	6.31	0.91	9.31	5.75	0.83	7.93	5.2	0.75	6.65
	8	6.54	0.71	6.04	5.98	0.65	5.17	5.42	0.59	4.37	4.86	0.53	3.63
	10	6.2	0.54	3.77	5.63	0.49	3.2	5.07	0.44	2.68	4.51	0.39	2.19
	12	5.84	0.42	2.51	5.27	0.38	2.11	4.71	0.34	1.74	4.14	0.3	1.4
50	5	8.4	1.46	20.59	7.83	1.36	18.22	7.27	1.26	15.99	6.71	1.17	13.91
	6	8.23	1.19	14.49	7.67	1.11	12.8	7.11	1.03	11.21	6.55	0.95	9.72
	8	7.91	0.86	8.21	7.34	0.8	7.22	6.78	0.74	6.29	6.22	0.68	5.42
	10	7.57	0.66	5.2	7.01	0.61	4.55	6.44	0.56	3.94	5.88	0.51	3.37
	12	7.23	0.52	3.52	6.66	0.48	3.06	6.1	0.44	2.63	5.53	0.4	2.23
55	5	9.76	1.7	26.31	9.19	1.6	23.67	8.62	1.5	21.17	8.06	1.4	18.8
	6	9.6	1.39	18.58	9.03	1.31	16.69	8.46	1.23	14.9	7.9	1.15	13.22
	8	9.27	1.01	10.62	8.7	0.95	9.51	8.14	0.88	8.46	7.58	0.82	7.47
	10	8.94	0.78	6.79	8.37	0.73	6.06	7.81	0.68	5.37	7.25	0.63	4.72
	12	8.61	0.62	4.65	8.04	0.58	4.14	7.47	0.54	3.65	6.91	0.5	3.19
60	5	11.11	1.94	32.55	10.54	1.84	29.65	9.97	1.74	26.88	9.41	1.64	24.25
	6	10.96	1.59	23.06	10.38	1.51	20.98	9.81	1.43	18.99	9.25	1.34	17.11
	8	10.63	1.16	13.25	10.06	1.1	12.03	9.49	1.03	10.86	8.93	0.97	9.76
	10	10.31	0.9	8.53	9.74	0.85	7.72	9.17	0.8	6.95	8.6	0.75	6.22
	12	9.98	0.72	5.89	9.41	0.68	5.32	8.84	0.64	4.77	8.27	0.6	4.26
(none)													
EWT	ΔT	Indoor temperature (D.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	5	6.56	1.14	13.94	5.91	1.02	11.65	5.28	0.91	9.55	4.64	0.8	7.64
	6	6.36	0.92	9.66	5.72	0.83	8.03	5.08	0.73	6.54	4.44	0.64	5.19
	8	5.96	0.65	5.29	5.32	0.58	4.34	4.67	0.51	3.48	4.03	0.44	2.7
	10	5.55	0.48	3.21	4.9	0.42	2.6	4.25	0.37	2.04	3.59	0.31	1.54
	12	5.12	0.37	2.07	4.46	0.32	1.64	3.8	0.27	1.25	3.12	0.22	0.85
45	5	8.13	1.41	19.86	7.49	1.3	17.18	6.84	1.19	14.69	6.2	1.08	12.37
	6	7.94	1.15	13.89	7.29	1.05	11.97	6.65	0.96	10.2	6.01	0.87	8.55
	8	7.55	0.82	7.75	6.9	0.75	6.64	6.26	0.68	5.61	5.62	0.61	4.65
	10	7.15	0.62	4.83	6.5	0.56	4.1	5.86	0.51	3.42	5.21	0.45	2.8
	12	6.74	0.49	3.21	6.09	0.44	2.69	5.43	0.39	2.22	4.78	0.34	1.79
50	5	9.71	1.69	26.55	9.06	1.57	23.5	8.41	1.46	20.64	7.77	1.35	17.95
	6	9.52	1.38	18.67	8.87	1.28	16.49	8.22	1.19	14.44	7.58	1.1	12.53
	8	9.14	0.99	10.56	8.48	0.92	9.28	7.84	0.85	8.09	7.19	0.78	6.97
	10	8.74	0.76	6.67	8.09	0.7	5.84	7.44	0.65	5.05	6.8	0.59	4.32
	12	8.35	0.6	4.51	7.69	0.56	3.92	7.04	0.51	3.37	6.39	0.46	2.86
55	5	11.28	1.96	33.97	10.62	1.85	30.57	9.97	1.74	27.34	9.33	1.62	24.3
	6	11.09	1.61	23.97	10.44	1.51	21.54	9.79	1.42	19.24	9.14	1.33	17.06
	8	10.71	1.17	13.67	10.06	1.09	12.25	9.41	1.02	10.9	8.76	0.95	9.62
	10	10.33	0.9	8.73	9.68	0.84	7.79	9.03	0.78	6.9	8.38	0.73	6.06
	12	9.94	0.72	5.97	9.28	0.67	5.31	8.63	0.62	4.68	7.98	0.58	4.09
60	5	12.85	2.24	42.07	12.19	2.13	38.33	11.54	2.01	34.76	10.88	1.9	31.37
	6	12.67	1.84	29.77	12.01	1.74	27.1	11.35	1.65	24.55	10.7	1.56	22.12
	8	12.29	1.34	17.08	11.63	1.27	15.51	10.98	1.2	14.01	10.33	1.13	12.59
	10	11.91	1.04	10.98	11.26	0.98	9.94	10.6	0.92	8.95	9.95	0.87	8.02
	12	11.53	0.84	7.57	10.87	0.79	6.84	10.22	0.74	6.14	9.56	0.69	5.47

Abbreviations:

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

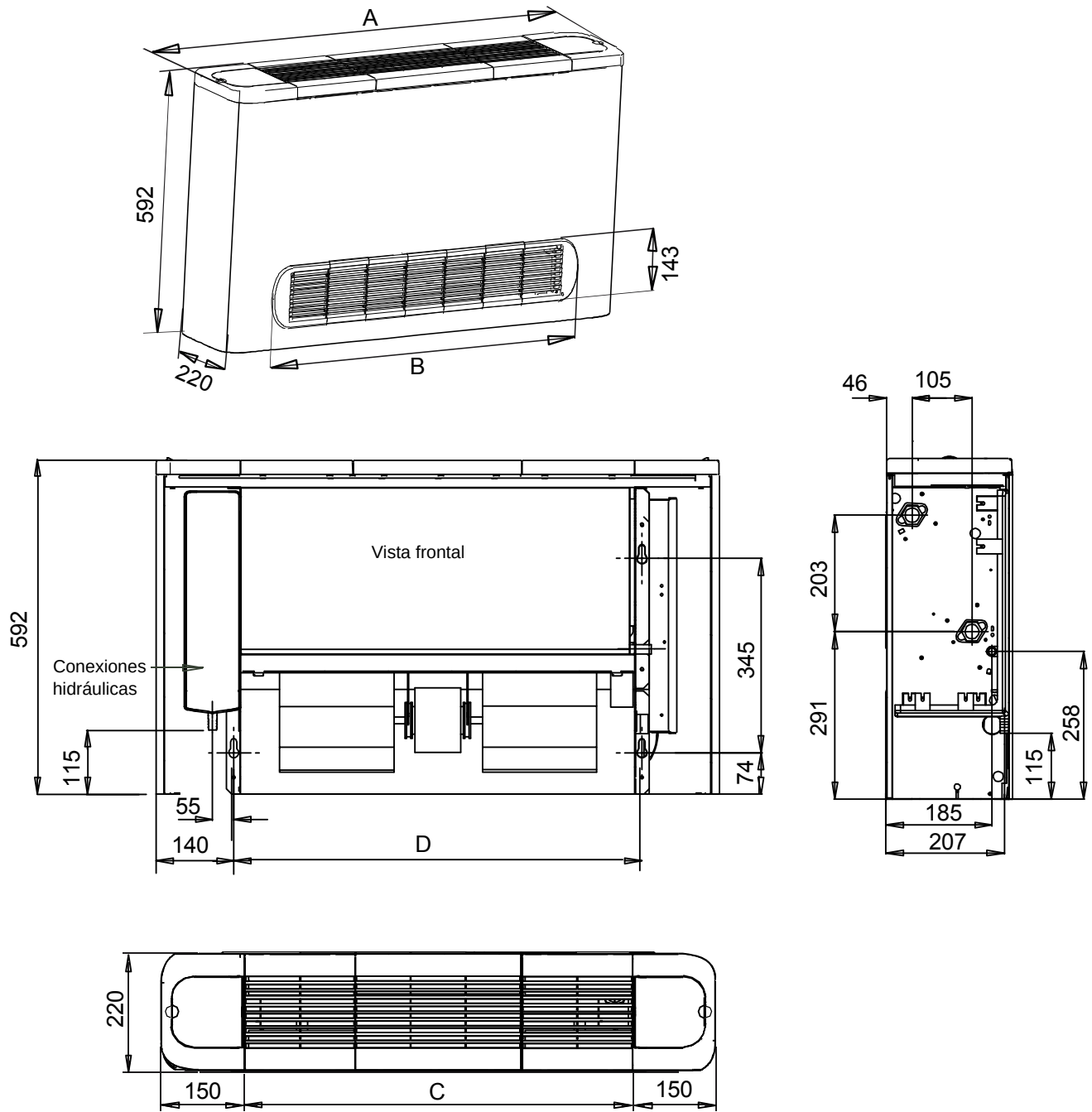
MUC-24-W7													
EWT	ΔT	Indoor temperature (D.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	5	7.42	1.28	17.28	6.69	1.16	14.45	5.97	1.03	11.84	5.25	0.91	9.47
	6	7.2	1.04	11.97	6.47	0.93	9.95	5.75	0.83	8.1	5.02	0.73	6.42
	8	6.74	0.73	6.53	6.01	0.65	5.36	5.29	0.57	4.3	4.56	0.49	3.33
	10	6.27	0.54	3.96	5.54	0.48	3.2	4.8	0.42	2.51	4.06	0.35	1.89
	12	5.78	0.42	2.54	5.04	0.36	2.01	4.29	0.31	1.53	3.52	0.25	1.09
45	5	9.2	1.6	24.66	8.47	1.47	21.34	7.75	1.34	18.24	7.02	1.22	15.37
	6	8.98	1.3	17.22	8.26	1.19	14.86	7.53	1.09	12.65	6.81	0.98	10.61
	8	8.54	0.93	9.6	7.81	0.85	8.22	7.08	0.77	6.94	6.36	0.69	5.76
	10	8.09	0.7	5.96	7.35	0.64	5.06	6.62	0.57	4.23	5.89	0.51	3.46
	12	7.62	0.55	3.96	6.88	0.5	3.32	6.14	0.44	2.74	5.4	0.39	2.2
50	5	10.98	1.91	33	10.25	1.78	29.23	9.52	1.65	25.67	8.8	1.53	22.33
	6	10.77	1.56	23.19	10.04	1.45	20.49	9.31	1.35	17.95	8.58	1.24	15.57
	8	10.33	1.12	13.09	9.6	1.04	11.51	8.87	0.96	10.03	8.14	0.88	8.64
	10	9.89	0.86	8.26	9.15	0.79	7.22	8.42	0.73	6.25	7.69	0.67	5.35
	12	9.43	0.68	5.58	8.7	0.63	4.85	7.96	0.58	4.16	7.23	0.52	3.53
55	5	12.77	2.22	42.26	12.03	2.09	38.05	11.29	1.97	34.05	10.56	1.84	30.27
	6	12.55	1.82	29.81	11.82	1.71	26.79	11.08	1.61	23.94	10.35	1.5	21.23
	8	12.12	1.32	16.98	11.39	1.24	15.21	10.65	1.16	13.54	9.92	1.08	11.96
	10	11.69	1.02	10.82	10.95	0.95	9.66	10.21	0.89	8.56	9.48	0.82	7.52
	12	11.24	0.81	7.39	10.5	0.76	6.57	9.77	0.71	5.79	9.03	0.65	5.06
60	5	14.55	2.53	52.38	13.8	2.41	47.75	13.07	2.28	43.33	12.33	2.15	39.12
	6	14.34	2.08	37.05	13.59	1.97	33.73	12.86	1.87	30.57	12.12	1.76	27.56
	8	13.91	1.52	21.23	13.17	1.43	19.28	12.43	1.35	17.43	11.7	1.27	15.66
	10	13.48	1.17	13.63	12.74	1.11	12.34	12	1.05	11.12	11.27	0.98	9.96
	12	13.04	0.95	9.39	12.3	0.89	8.48	11.56	0.84	7.61	10.83	0.79	6.79

Abbreviations:

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

6. Dimensions

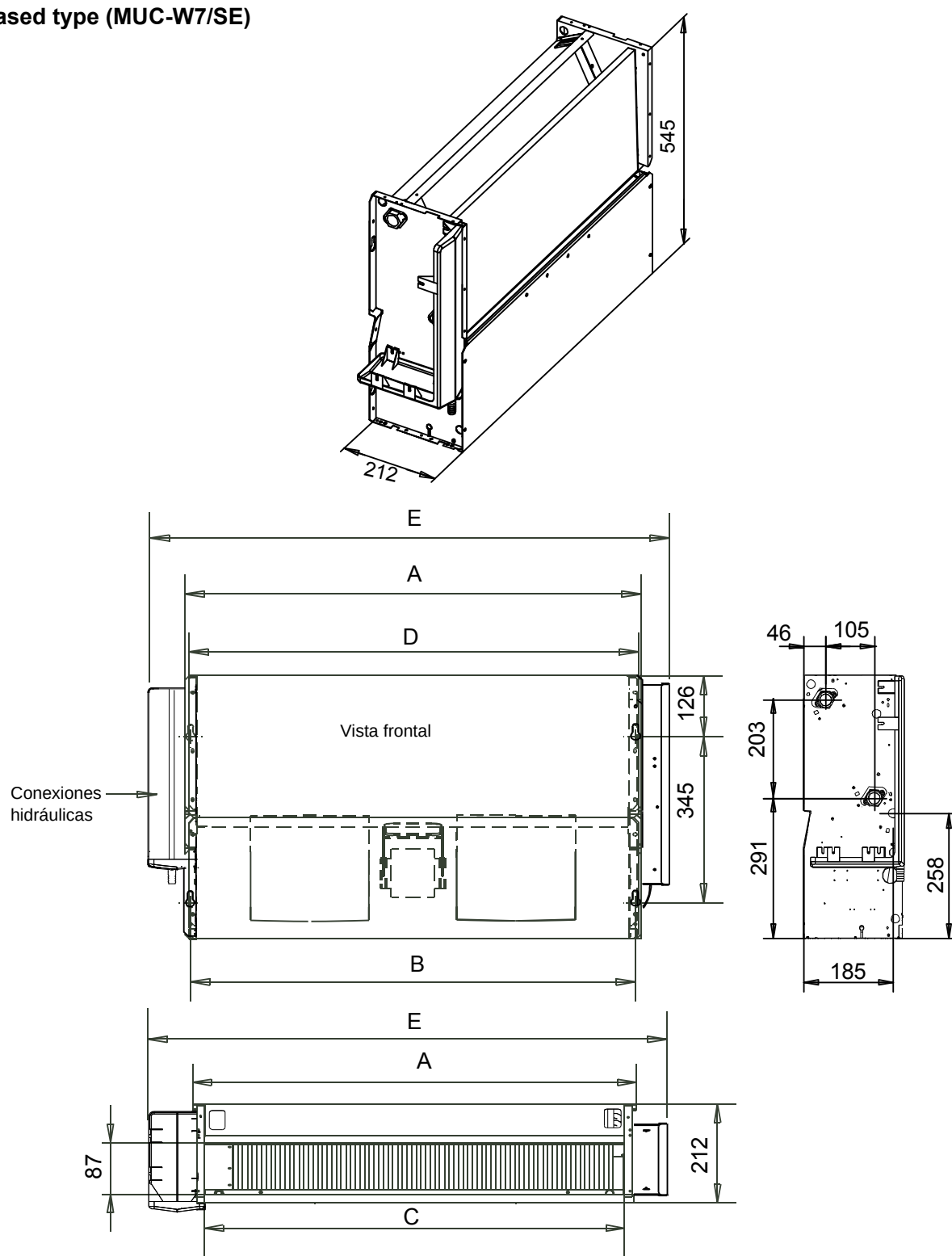
Cased type (MUC-W7/CE)



Dimensions (unit: mm)

Model	MUC-07-W7/CE	MUC-11-W7/CE	MUC-16-W7/CE	MUC-19-W7/CE	MUC-24-W7/CE
A(mm)	800	1000	1200	1500	1500
B(mm)	584	784	984	1284	1284
C(mm)	500	700	900	1200	1200
D(mm)	526	726	926	1226	1226

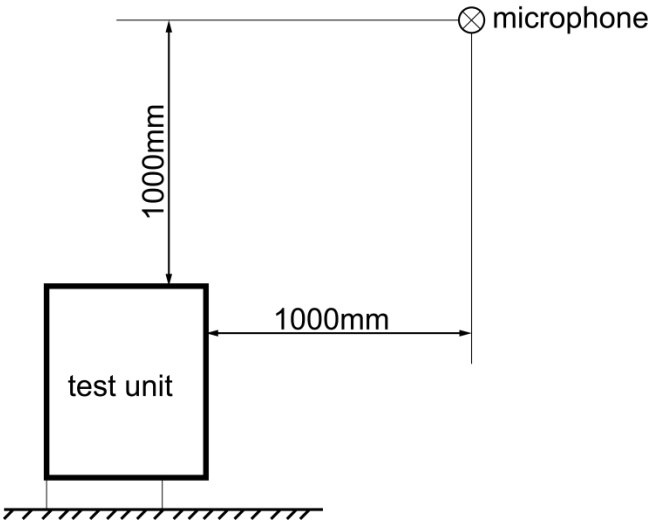
Uncased type (MUC-W7/SE)



Dimensions (unit: mm)

Model	MUC-07-W7/SE	MUC-11-W7/SE	MUC-16-W7/SE	MUC-19-W7/SE	MUC-24-W7/SE
A(mm)	550	750	950	1250	1250
B(mm)	526	726	926	1226	1226
C(mm)	500	700	900	1200	1200
D(mm)	532	732	932	1232	1232
E(mm)	686	886	1086	1386	1386

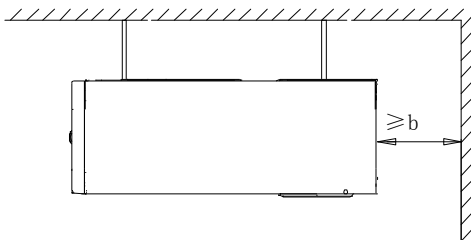
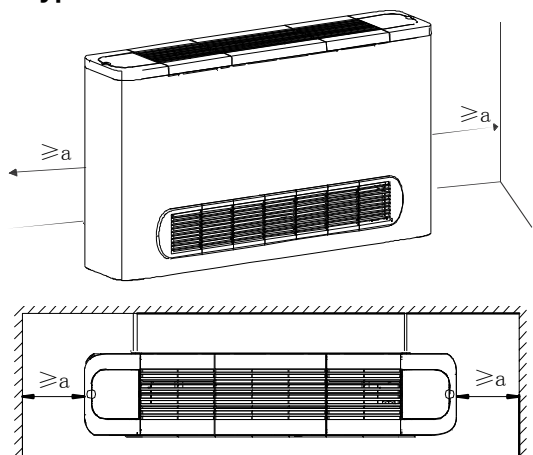
7. Sound Levels



Model	07	11	16	19	20
(H/M/L)	39/31/22	44/37/31	40/32/25	42/33/28	51/42/35

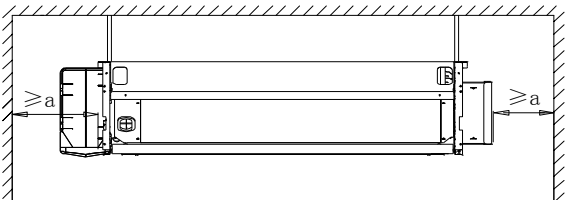
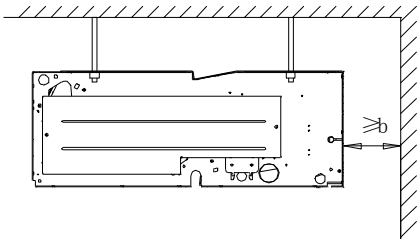
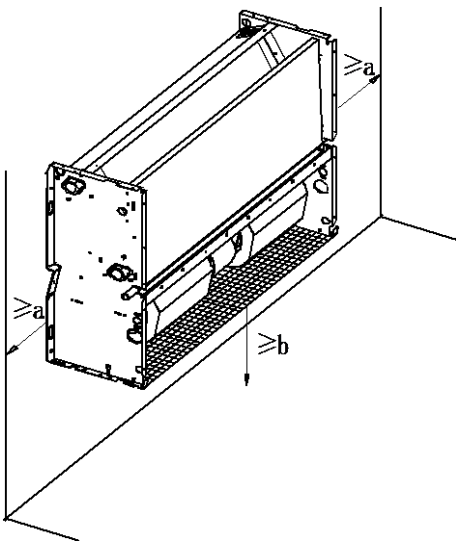
8. Service Spaces

Cased type



a (mm)	150
b (mm)	20

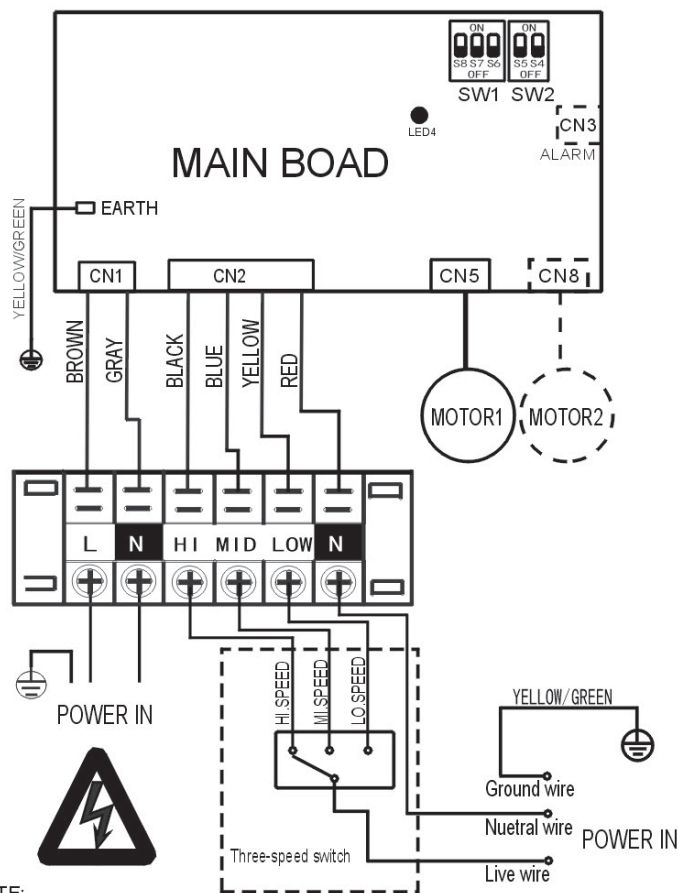
Uncased type



a (mm)	200
b (mm)	80

9. Wiring Diagrams

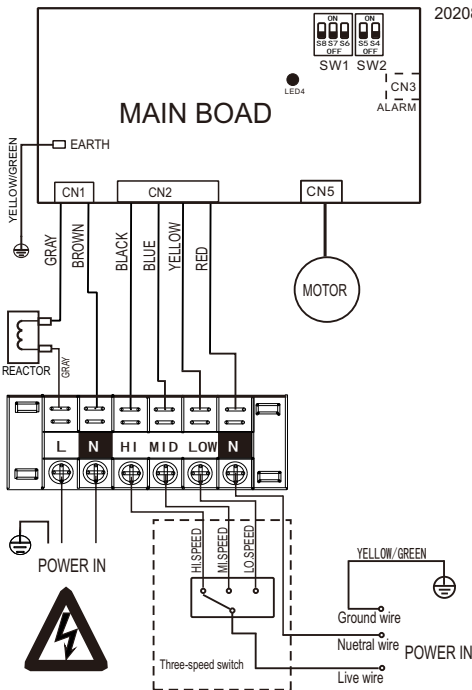
MUC-07/11/16-W7



NOTE:
Connection of motor and main control panel: single-motor model should connect CN5,
for double-motor model, positions of CN5 and CN8 can be changed.

MODEL	DIAL CODE
MUC-07-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-11-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-16-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-19-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-24-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF

MUC-19/24-W7



2020804B7618

MODEL	DIAL CODE
MUC-07-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-11-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-16-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-19-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF
MUC-24-W7	ON OFF ON OFF S8 S7 S6 S5 S4 OFF OFF

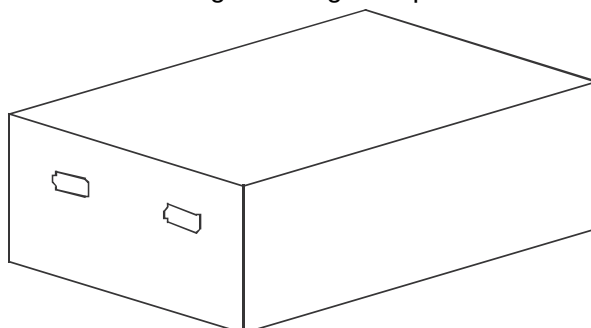
10. Installation

10.1 Transport and handling

Caution:

Do not open or tamper with the packaging before installation. The units should only be moved and lifted by specialized personnel trained in these operations.

Check on arrival that the unit has not been damaged during transport and that it is complete with all its parts.



To remove the packaging, please follow below instructions:

1. Check for visible damage.
2. Open the packaging.
3. Check that the manual for use and maintenance are in the packaging.
4. Dispose of the packaging material in accordance with current legislation at the appropriate waste reception or recycling site.

The units may be moved or lifted either by hand or by means of a suitable trolley. If the weight of the unit is more than 30kg, moving units need to be moved at the same time, it is advisable to put the machines in a container and lift them by means of a crane or something similar.

10.2 Storage conditions

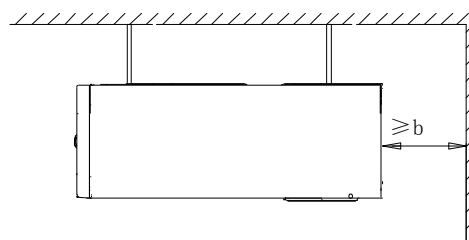
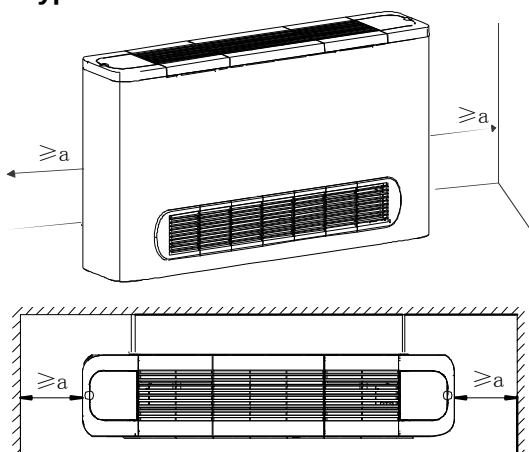
Units in packaging may be stacked not more than four-layer, and must be kept under cover.

10.3 Service spaces

Caution:

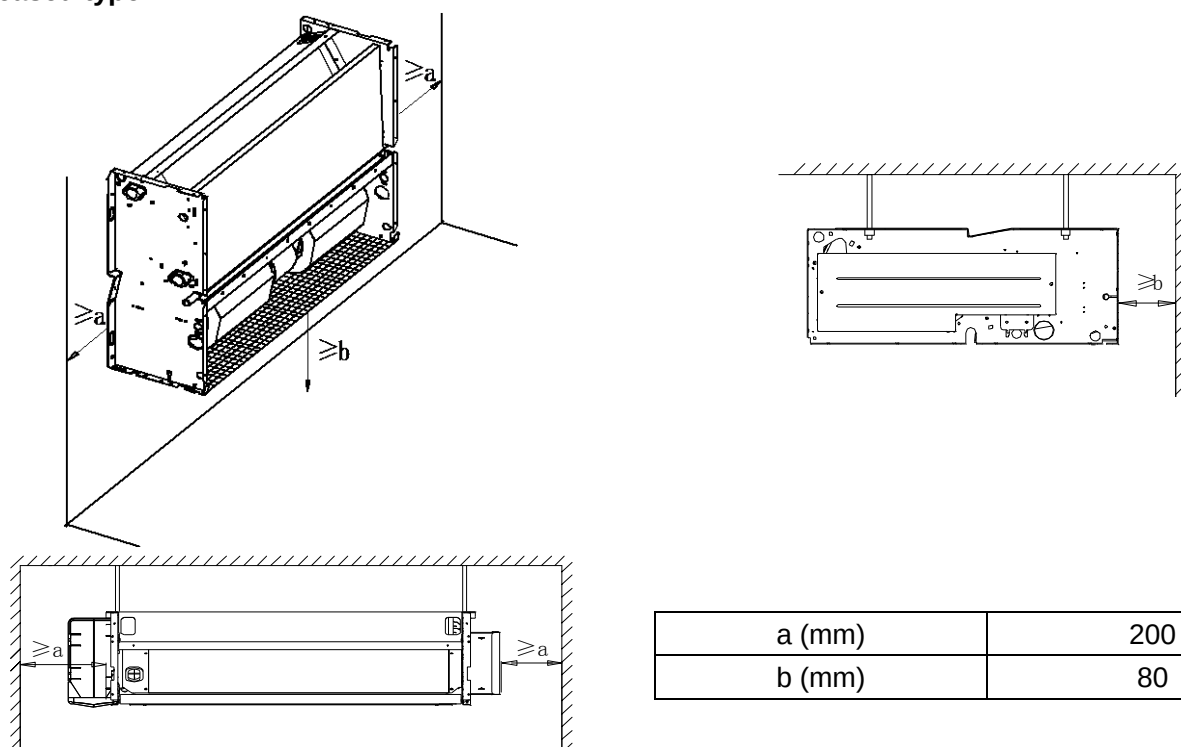
Incorrect positioning or installation of the unit may amplify noise levels and vibrations generated during operation. Guarantee enough clearances for installation and maintenances.

Cased type



a (mm)	150
b (mm)	20

Uncased type



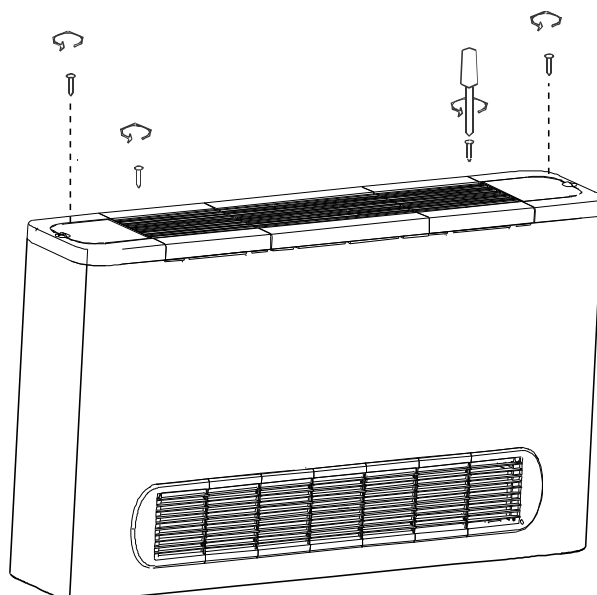
10.4 Units installation

Caution:

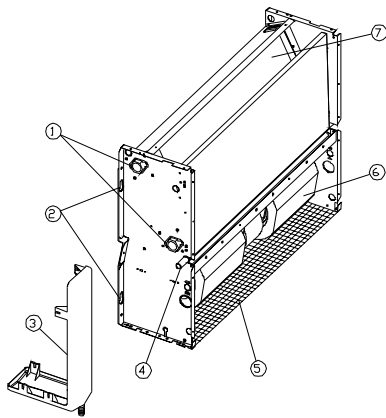
Installation must only be carried out by qualified technicians, trained to work with air-conditioning and refrigeration systems. Incorrect installation could lead to unit malfunctioning and a consequent deterioration in performance.

For installation, follow the instructions set out below:

Remove the external casing, unscrewing the screws which secure it to the structure, as following indicated.

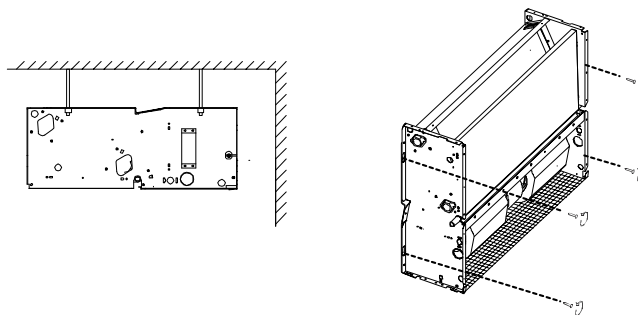


Parts instruction:



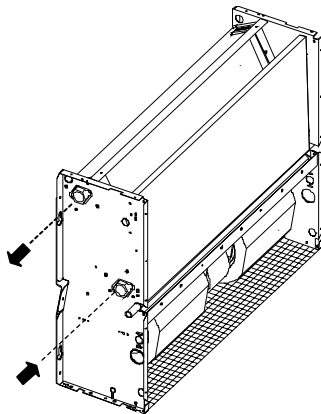
1. Pipe connections;
2. Fixing slots;
3. Defrosting tray;
4. Condensate discharge;
5. Air filter;
6. Fans;
7. Heat exchanger;

Mark out the fixing points on the wall or ceiling either by marking through the drillings in the unit or by referring to the measurements given in “7 DIMENSIONS”. Maintain a gentle fall in the condensation drainage pipe, to ensure that water draining properly.



Hydraulic connections

It is most important that the hydraulic connections are made with great care by specialized fitters. Connect the unit to the water system by means of the fittings which are marked Flow and Return.



All the water coils including the optional extras are equipped with air release-valves next to the upper union and with water drain valves next to the lower union.

All the valves can be opened and closed with screwdrivers or Allen-keys.

Caution:

The water coils can be partially drained through the drain valves.

To drain them completely, they should be blown out with an air-jet.

When installation is complete, it is necessary to:

Release the air contained in the circuit.

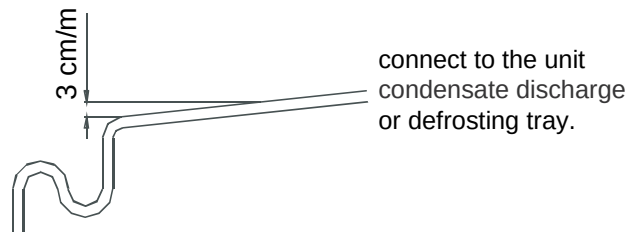
Lag the connection pipes and any valves coated with anti-condensation material 10 mm thick or install the auxiliary drain.

Pour water into the condensation collector tray and check that the liquid drains properly, following it right through to the exit of the drain tube. If it does not, check the fall and look for possible blockages.

Setting up the condensate drainage system

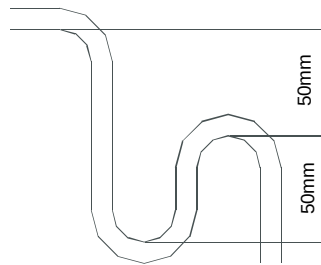
The condensation drainage system must be set up with an adequate fall to ensure that the water escapes properly.

Following are directions for setting up a proper condensation drainage system.



Creation of the trap

The condensation drainage system must be fitted with a suitable trap to prevent seepage of odors. Following are directions for setting up the trap.



Always provide a drain plug at the bottom of the trap, and arrange it so that it can be quickly dismantled

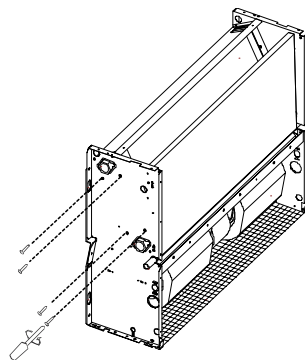
How to turn the coil round from fittings on the left (standard) to fittings on the right.

The unit is supplied as standard with connections to the coil on the left. It is possible to turn the coil round to achieve connection on the right.

The operation of turning the principal and supplementary coils round can be carried out on site, but it is preferable to do it before installation on solid ground.

Procedure to reverse the coil:

1. Remove the casing (for casing type);
2. Remove the screws on both sides which hold the coil to the structure of the unit;
3. Turn the coil round in the direction indicated in Fig;
4. Re-fit the coil mounting screws;
5. Re-fit the casing (for casing type)



Anti-frost protection

If the unit is not used during the winter the water contained in the system may freeze.

Draining the water circuit needs to be undertaken in good time. However, if the operation of draining the system is too laborious, a suitable quantity of antifreeze may be mixed with the water instead.

10.5 Electrical connections

Caution:

Electrical connection of the unit must be carried out by qualified personnel in compliance with the regulations in

effect in the country where the unit is installed. The company shall not be held liable for damage to persons or property caused by incorrect electrical connection.

The power cord type designation is H05RN-R or above/H07RN-F.

This appliance can be operated by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The appliance shall be installed in accordance with national wiring regulations.

Danger!

Always install a general automatic switch in a protected area near the appliance with an adequate capacity characteristic delayed curve with sufficient breaking power. There should be a minimum distance of 3mm between the contacts. Earth connection is compulsory by law to ensure user safety while the machine is in use.

Air flow	255-1530m ³ /h
Power supply voltage	220-240V
Power supply phase	1 phase
Power supply frequency	50Hz
Circuit breaker / Fuse	15A / 15A

Wiring

- ♦ See product wiring nameplate.
- ♦ Check that the voltage and the frequency of the power supply correspond to 220-240V single phase at 50Hz; that the available power is sufficient for the running the equipment; and that the supply cables are of adequate section for the maximum current which will be required.
- ♦ Make sure that the power supply system complies with current national safety regulations.
- ♦ Electrical connections must be made in accordance with the wiring diagrams supplied with the machine. For connection to the power supply network, use double-insulated flexible cable, twin pole + earth, section 1.5mm², type H05RN-F.
- ♦ Pass the power supply cable through the slot beside the air filter. Use the cable clamp provided on the inner side of the panel to secure the power supply cable and the connecting cables, and strip only the length of cable needed to go into the connector block. In the event that the unit is mounted on a metal surface, earth connections must be made in compliance with local regulations. If the optional extra electric heating element is fitted, a separate power supply must be provided. Use double-insulated flexible cable, twin pole + earth, section 2.5mm², type H05RN-F.

Startup instructions

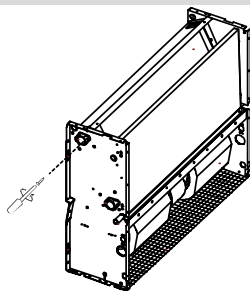
Caution:

Machine commissioning or the first startup must be carried out by skilled personnel qualified to work on this type of product.

Before starting up, make sure that the installation and electrical connections have been carried out in accordance with the instructions in this manual. Also make sure that there are no unauthorized persons in the vicinity of the machine during these operations.

Pipeline system has been vacuumed before initial start the equipment.

1. Remove the connecting pipe's side cover panel by cross screwdriver.
2. Remove the bolts that showed at the figure by slotted screwdriver. Start up the pump to circulate the pipeline water and vacuum air from the system until there have water flow out from bolt holes, and then tighten the bolts of the system.
3. Shutdown the system that showed at the figure by slotted screwed and replaces the side cover panel.



Preliminary checks before startup

- ♦ Before starting up the unit, make sure that:
- ♦ The unit is positioned correctly;
- ♦ The flow and return pipes of the water system are correctly connected;
- ♦ The pipes are clean and free of air;
- ♦ The unit falls correctly towards the drainage outlet and the trap;
- ♦ The heat-exchangers are clean;
- ♦ The electrical connections are correct;
- ♦ The screws holding the cables are well tightened;
- ♦ The supply voltage is as required;
- ♦ The power consumption of the blower is correct and does not exceed the maximum permitted.

10.6 Maintenance

Caution:

- ♦ Maintenance work must only be carried out by qualified technicians authorized to work on air-conditioning and refrigeration systems.
- ♦ Use suitable work gloves.
- ♦ Do not use pointed objects through the air intake grilles.
- ♦ Disconnect the power supply before cleaning and maintenance.
- ♦ Use dry cloth to clean the unit.
- ♦ Always disconnect the unit from the mains power supply at the main isolator switch before carrying out maintenance work or checks. Make sure that no one accidentally supplies power to the machine; lock the main switch in the Off position.

Scheduled maintenance

- ♦ Once a month

Check the state of cleanliness of the air filters. The air filters are made of fibre and can be washed in water. The state of cleanliness of the filters must be checked regularly at the start of the operating season and on a monthly basis.

- ♦ Every six months

Check the state of cleanliness of the heat-exchanger and the condensation drain-tube.

Switch off the unit, remove the casing of the machine and check the state of the heat-exchanger and the condensation drain-tube if necessary:

1. Remove any obstacle from the surface which may obstruct air flow;
2. Clean the dust with a jet of compressed air;
3. Wash and brush gently with water;
4. Dry with a jet of compressed air;
5. Check that there are no obstacles in the condensation drain tube which could prevent the normal flow of water.

Release the air in the water system.

1. Remove the casing of the machine (for casing type);
2. Start the system and run for a few minutes;
3. Stop the system;

4. Loosen the release screw on the inlet manifold and release the air.
5. Repeat the operation several times until no more air comes out of the system.

At the end of the season

To avoid the risk of rupture due to freezing, it is advisable to drain the water from the system at the end of every season.

Check the electrical circuit

The following operations are recommended for the maintenance of the electrical circuit:

Tighten the electrical contacts and terminals;

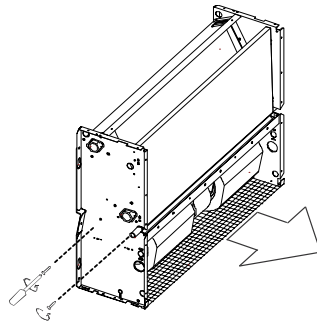
Check the unit's power using a clip-on ammeter and compare with the values shown on the document.

Replace the fan assembly

In case of burnout of the fan motor, it is necessary to replace the entire fan assembly.

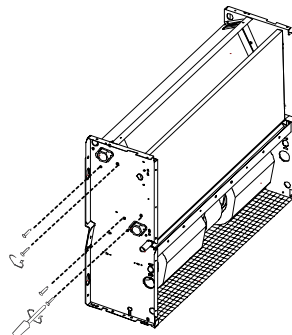
Procedure for removal of the fan motor:

1. Remove the casing (for case type)
2. Disconnect the power supply cable from the fan motor;
3. Remove the screws on both sides which hold the motor to the unit;
4. Take out the fan assembly;
5. Install a new fan assembly.



Replace the heat-exchanger coil

1. Procedure for removal of the heat-exchanger:
2. Isolate the inlet and outlet water pipes;
3. Disconnect the coil from the water system;
4. Remove the screws on both sides which hold the coil to the unit;
5. Take out the heat-exchanger coil;
6. Install a new heat-exchanger coil.



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