

5. Capacity table

Capacity tables show each of following values calculated based on the outdoor temperature and the indoor temperature, under given Airflow Rate (AFR):

For cooling capacity: Total Capacity (TC), Sensible Heat Capacity (SHC), and Input Power (IP)

For heating capacity: Total Capacity (TC) and Input Power (IP)

5-1. Cooling capacity

■ Model: ARYG72LHTA / AOYG72LRLA

AFR		m ³ /h												4,300								
		Indoor temperature																				
°CDB		18			21			23			25			27			29			32		
°CWB		12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW			kW		
	-15	17.44	14.30	2.86	19.42	14.39	2.91	20.08	15.64	2.93	21.40	15.70	2.96	22.07	16.94	2.97	23.39	16.88	3.01	24.72	17.99	3.03
	-10	17.26	14.16	2.87	19.23	14.25	2.92	19.88	15.49	2.93	21.20	15.53	2.96	21.85	16.78	2.98	23.16	16.71	3.01	24.48	17.80	3.03
	0	17.10	14.03	3.06	19.05	14.11	3.10	19.69	15.34	3.12	20.99	15.39	3.15	21.64	16.61	3.17	22.95	16.55	3.20	24.24	17.63	3.23
	5	17.06	13.99	3.19	19.01	14.07	3.24	19.65	15.30	3.26	20.94	15.34	3.29	21.60	16.58	3.31	22.89	16.51	3.35	24.19	17.59	3.38
	10	16.88	13.97	3.59	18.81	14.05	3.65	19.44	15.27	3.67	20.72	15.33	3.70	21.37	16.55	3.72	22.65	16.49	3.76	23.94	17.56	3.80
	15	16.40	13.80	3.71	18.25	14.03	3.77	18.89	15.25	3.79	20.12	15.30	3.83	20.74	16.53	3.85	21.99	16.46	3.88	23.23	17.52	3.93
	20	16.62	13.93	4.13	18.50	14.17	4.20	19.14	15.40	4.21	20.40	15.45	4.26	21.03	16.69	4.28	22.29	16.62	4.33	23.56	17.70	4.36
	25	16.78	13.94	4.90	18.69	14.18	4.98	19.33	15.41	5.00	20.61	15.46	5.05	21.24	16.71	5.08	22.52	16.64	5.13	23.79	17.72	5.18
30	16.45	13.25	5.60	18.33	13.47	5.67	18.96	14.65	5.70	20.19	14.69	5.77	20.82	15.87	5.79	22.07	15.81	5.84	23.32	16.85	5.91	
35	15.01	12.95	6.24	16.72	13.24	6.33	17.29	14.40	6.37	18.43	14.44	6.43	19.00	15.60	6.46	20.14	15.53	6.53	21.28	16.55	6.59	
40	14.86	12.23	5.91	16.55	12.58	5.99	17.12	13.68	6.03	18.25	13.72	6.08	18.81	14.82	6.11	19.94	14.77	6.18	21.07	15.72	6.24	
46	11.84	11.08	5.76	13.19	11.90	5.83	13.63	12.61	5.87	14.52	12.98	5.93	14.98	14.02	5.96	15.89	13.96	6.02	16.78	14.86	6.07	

■ Model: ARYG90LHTA / AOYG90LRLA

AFR		m ³ /h												4,300								
		Indoor temperature																				
°CDB		18			21			23			25			27			29			32		
°CWB		12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW			kW		
	-15	20.19	16.22	3.44	22.49	16.33	3.50	23.25	17.75	3.52	24.78	17.81	3.56	25.55	19.23	3.57	27.08	19.15	3.62	28.62	20.41	3.65
	-10	19.98	16.06	3.46	22.27	16.16	3.51	23.02	17.58	3.52	24.55	17.63	3.56	25.30	19.04	3.58	26.82	18.96	3.62	28.34	20.20	3.65
	0	19.80	15.91	3.68	22.05	16.01	3.73	22.80	17.40	3.76	24.30	17.46	3.79	25.05	18.85	3.82	26.57	18.77	3.85	28.07	20.00	3.89
	5	19.75	15.88	3.84	22.01	15.96	3.90	22.75	17.36	3.93	24.25	17.41	3.96	25.01	18.81	3.99	26.51	18.73	4.02	28.01	19.95	4.06
	10	19.55	15.85	4.32	21.78	15.94	4.38	22.51	17.33	4.41	24.00	17.39	4.45	24.74	18.77	4.48	26.23	18.71	4.52	27.71	19.92	4.57
	15	18.99	15.66	4.47	21.14	15.92	4.53	21.87	17.31	4.56	23.30	17.35	4.60	24.02	18.75	4.63	25.47	18.68	4.67	26.90	19.88	4.72
	20	19.24	15.81	4.97	21.42	16.08	5.05	22.17	17.48	5.07	23.62	17.53	5.12	24.35	18.94	5.15	25.81	18.86	5.20	27.28	20.09	5.25
	25	19.42	15.82	5.90	21.64	16.08	5.99	22.39	17.49	6.02	23.86	17.54	6.08	24.60	18.96	6.11	26.07	18.88	6.17	27.55	20.11	6.23
30	19.05	15.03	6.73	21.22	15.29	6.82	21.95	16.62	6.86	23.38	16.67	6.93	24.11	18.01	6.97	25.55	17.94	7.03	27.00	19.12	7.11	
35	17.38	14.69	7.50	19.35	15.02	7.61	20.02	16.34	7.66	21.35	16.39	7.74	22.00	17.70	7.77	23.32	17.63	7.85	24.65	18.78	7.93	
40	17.21	13.87	7.10	19.17	14.27	7.20	19.82	15.52	7.26	21.13	15.57	7.31	21.78	16.82	7.35	23.09	16.76	7.43	24.39	17.84	7.51	
46	13.70	12.57	6.92	15.27	13.50	7.01	15.78	14.31	7.06	16.81	14.73	7.13	17.35	15.91	7.17	18.39	15.84	7.24	19.42	16.86	7.31	

5-2. Heating capacity

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

■ Model: ARYG72LHTA / AOYG72LRLA

AFR	m ³ /h	4,300
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		Indoor temperature											
		°CDB	°CWB	16		18		20		22		24	
				TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
Outdoor temperature			kW		kW		kW		kW		kW		
	-20	-21	10.58	5.57	10.32	5.68	10.07	5.80	9.82	5.91	9.57	6.02	
	-15	-16	16.21	6.42	15.83	6.56	15.44	6.69	15.06	6.82	14.68	6.96	
	-10	-11	18.89	6.82	18.44	6.96	18.00	7.10	17.55	7.25	17.10	7.39	
	-5	-7	20.98	7.11	20.48	7.26	19.98	7.41	19.48	7.56	18.99	7.70	
	0	-2	22.62	7.19	22.08	7.34	21.54	7.49	21.00	7.63	20.47	7.78	
	5	3	25.56	7.20	24.95	7.35	24.35	7.50	23.73	7.64	23.13	7.79	
	7	6	25.83	7.21	25.22	7.36	24.60	7.51	23.99	7.66	23.37	7.81	
	10	8	27.04	7.16	26.39	7.30	25.74	7.46	25.09	7.60	24.46	7.76	
	15	10	28.06	7.16	27.39	7.30	26.72	7.45	26.05	7.61	25.38	7.71	
20	15	25.25	6.25	24.64	6.37	24.04	6.50	23.44	6.64	22.83	6.72		
24	18	25.81	6.21	25.19	6.33	24.58	6.47	23.96	6.61	23.35	6.69		

■ Model: ARYG90LHTA / AOYG90LRLA

AFR	m ³ /h	4,300
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		Indoor temperature											
		°CDB	°CWB	16		18		20		22		24	
				TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
Outdoor temperature			kW		kW		kW		kW		kW		
	-20	-21	12.77	6.65	12.47	6.79	12.16	6.93	11.86	7.07	11.56	7.19	
	-15	-16	19.57	7.68	19.11	7.84	18.64	8.00	18.18	8.16	17.72	8.31	
	-10	-11	22.81	8.16	22.27	8.32	21.73	8.49	21.19	8.66	20.65	8.83	
	-5	-7	25.33	8.50	24.73	8.68	24.12	8.86	23.52	9.03	22.92	9.21	
	0	-2	27.31	8.59	26.66	8.77	26.00	8.95	25.35	9.13	24.71	9.29	
	5	3	30.86	8.61	30.12	8.79	29.39	8.97	28.65	9.13	27.92	9.27	
	7	6	31.19	8.62	30.44	8.80	29.70	8.98	28.96	9.16	28.22	9.28	
	10	8	32.64	8.56	31.86	8.73	31.08	8.92	30.29	9.09	29.53	9.28	
	15	10	33.88	8.56	33.07	8.72	32.26	8.91	31.45	9.10	30.65	9.22	
20	15	30.48	7.47	29.75	7.61	29.02	7.77	28.30	7.94	27.57	8.04		
24	18	31.16	7.43	30.42	7.57	29.67	7.73	28.93	7.90	28.20	8.00		