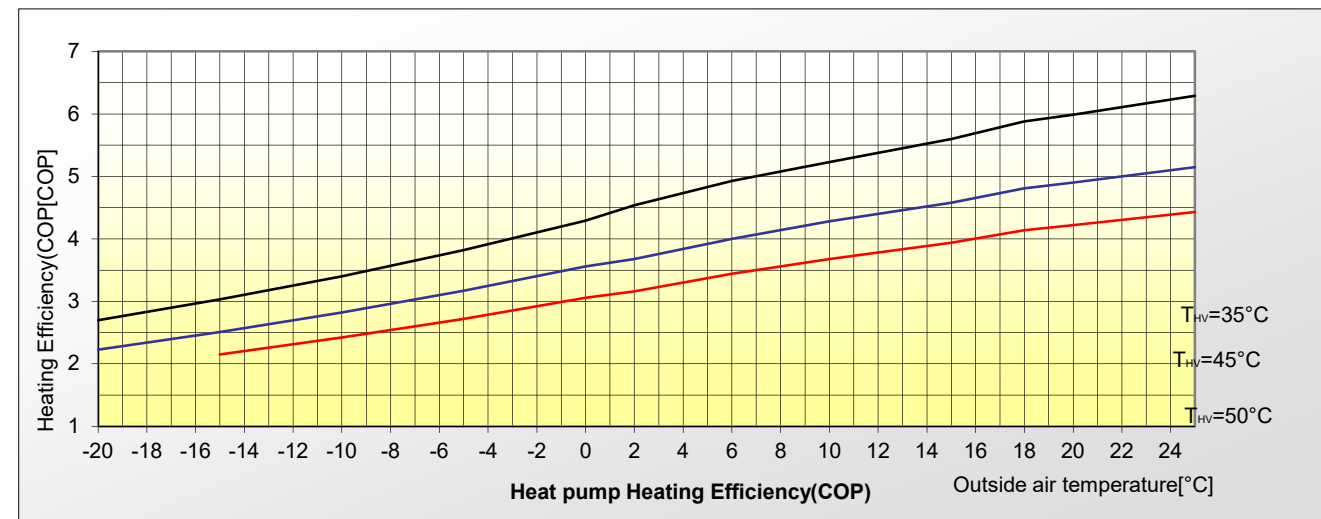
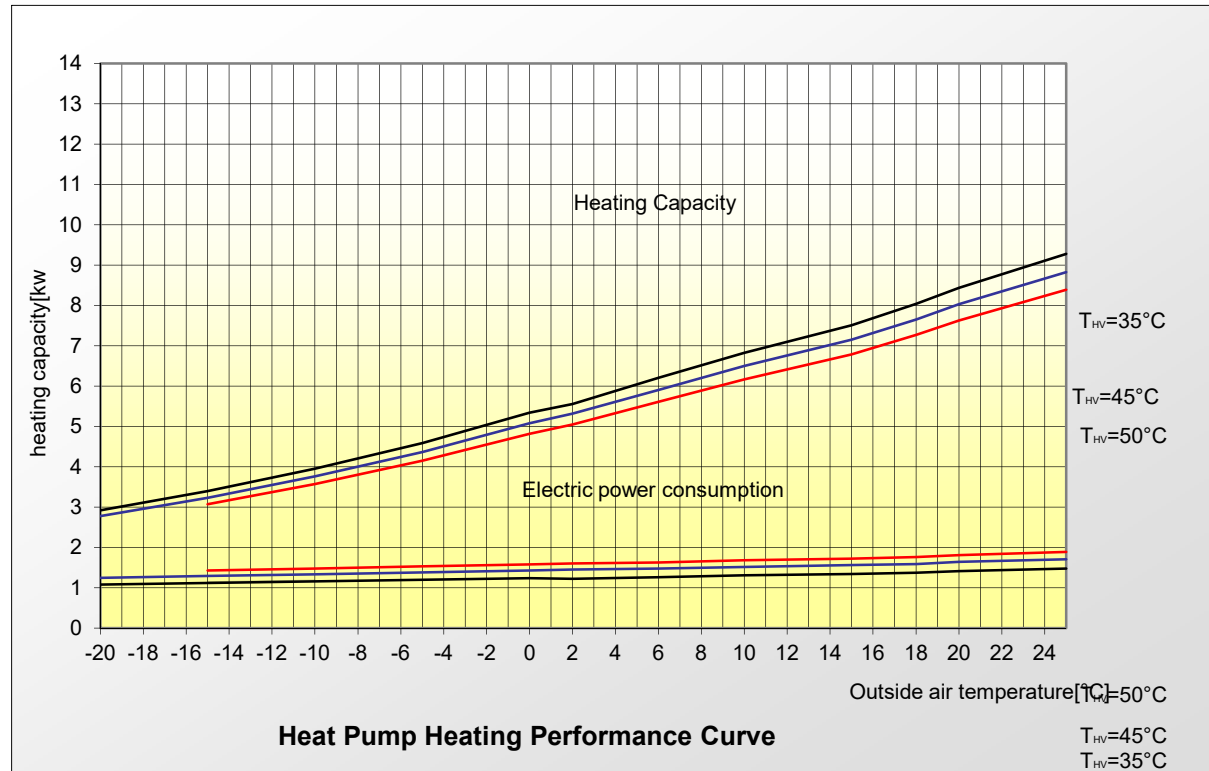


Heating and heat pump input power (WP100%)

Manufacturer: China Palm

AH6DCR-P32 Nominal Water Flow Rate 1 ton/hour

Water Outlet		Outdoor air wet bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	3.04	3.53	4.11	4.78	5.56	5.81	6.46	7.11	7.82	8.37	8.79	9.67
	Power Input	1.05	1.09	1.13	1.17	1.21	1.22	1.25	1.28	1.32	1.34	1.38	1.45
	COP	2.89	3.25	3.65	4.1	4.61	4.77	5.18	5.54	5.93	6.23	6.35	6.67
35	Capacity	2.92	3.4	3.95	4.59	5.34	5.56	6.21	6.83	7.51	8.04	8.44	9.28
	Power Input	1.08	1.12	1.16	1.2	1.24	1.22	1.26	1.31	1.34	1.37	1.41	1.48
	COP	2.7	3.03	3.4	3.82	4.29	4.54	4.93	5.23	5.6	5.88	5.99	6.29
40	Capacity	2.87	3.34	3.88	4.51	5.24	5.48	6.09	6.7	7.37	7.89	8.28	9.11
	Power Input	1.16	1.2	1.24	1.28	1.33	1.34	1.37	1.41	1.45	1.48	1.52	1.6
	COP	2.48	2.79	3.13	3.52	3.95	4.08	4.44	4.75	5.08	5.33	5.44	5.7
45	Capacity	2.78	3.23	3.76	4.37	5.08	5.32	5.91	6.5	7.15	7.65	8.03	8.83
	Power Input	1.25	1.29	1.33	1.38	1.43	1.45	1.48	1.52	1.56	1.59	1.64	1.71
	COP	2.23	2.51	2.82	3.17	3.56	3.68	4	4.28	4.58	4.81	4.9	5.15
50	Capacity		3.07	3.57	4.15	4.82	5.05	5.61	6.17	6.79	7.27	7.63	8.39
	Power Input		1.43	1.48	1.53	1.58	1.6	1.63	1.68	1.72	1.76	1.81	1.89
	COP		2.15	2.42	2.72	3.06	3.16	3.44	3.68	3.94	4.14	4.22	4.43
55	Capacity			3.39	3.94	4.58	4.8	5.33	5.86	6.45	6.9	7.25	7.98
	Power Input			1.63	1.68	1.74	1.76	1.8	1.85	1.9	1.94	2	2.09
	COP			2.08	2.34	2.63	2.72	2.96	3.17	3.39	3.56	3.63	3.81

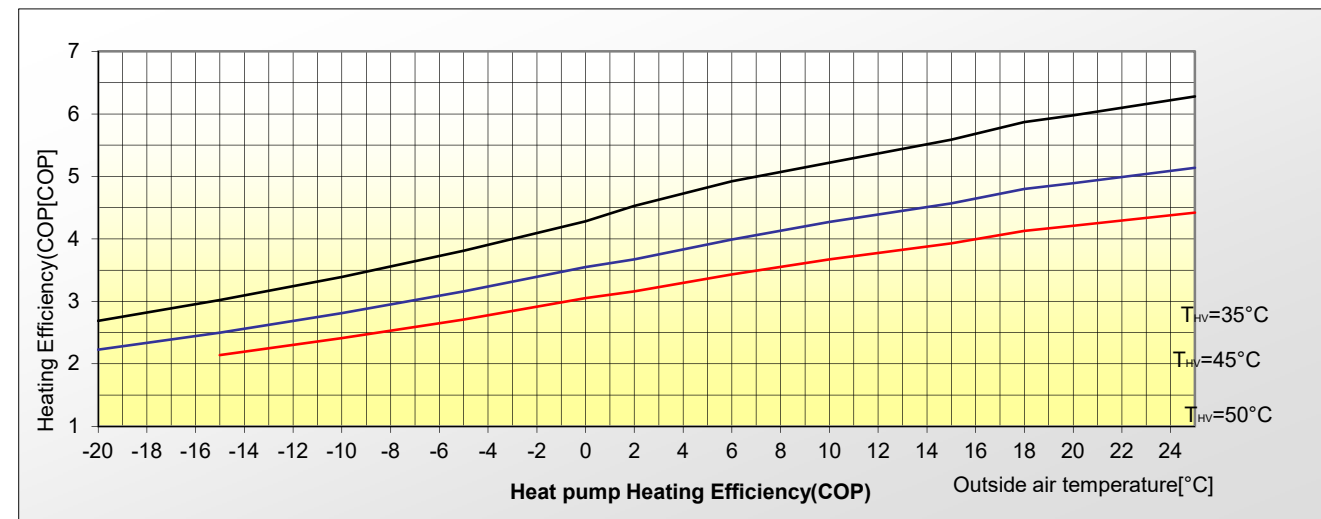
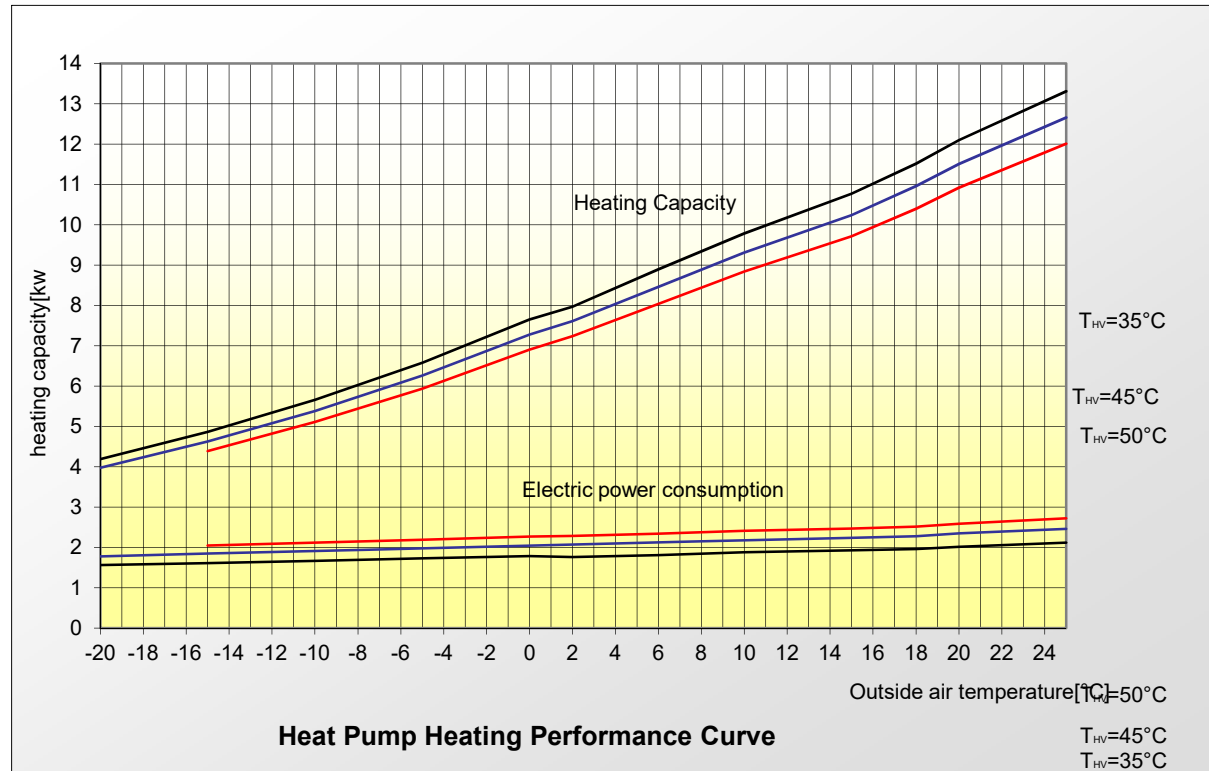


Heating and heat pump input power (WP100%)

Manufacturer:China Palm

AH9DCR-P32 Nominal Water Flow Rate 1.4 ton/hour

Water Outlet		Outdoor air wet bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	4.36	5.07	5.89	6.85	7.96	8.33	9.26	10.19	11.21	11.99	12.59	13.85
	Power Input	1.51	1.56	1.62	1.67	1.73	1.75	1.79	1.84	1.89	1.93	1.99	2.08
	COP	2.88	3.24	3.64	4.09	4.6	4.76	5.17	5.53	5.92	6.22	6.33	6.66
35	Capacity	4.19	4.87	5.66	6.58	7.65	7.97	8.9	9.79	10.77	11.52	12.1	13.31
	Power Input	1.56	1.61	1.67	1.73	1.79	1.76	1.81	1.88	1.93	1.96	2.02	2.12
	COP	2.69	3.02	3.39	3.81	4.28	4.53	4.92	5.22	5.59	5.87	5.98	6.28
40	Capacity	4.1	4.77	5.55	6.45	7.5	7.85	8.72	9.59	10.55	11.29	11.85	13.04
	Power Input	1.66	1.72	1.78	1.84	1.9	1.92	1.97	2.02	2.08	2.12	2.19	2.29
	COP	2.47	2.78	3.12	3.51	3.94	4.08	4.43	4.74	5.07	5.32	5.42	5.69
45	Capacity	3.98	4.63	5.38	6.26	7.28	7.61	8.46	9.31	10.24	10.96	11.51	12.66
	Power Input	1.78	1.85	1.91	1.98	2.05	2.07	2.12	2.18	2.24	2.28	2.35	2.46
	COP	2.23	2.5	2.81	3.16	3.55	3.67	3.99	4.27	4.57	4.8	4.89	5.14
50	Capacity		4.39	5.11	5.94	6.91	7.24	8.04	8.84	9.72	10.4	10.92	12.01
	Power Input		2.05	2.12	2.19	2.27	2.29	2.34	2.41	2.47	2.52	2.59	2.72
	COP		2.14	2.41	2.71	3.05	3.16	3.43	3.67	3.93	4.13	4.21	4.42
55	Capacity			4.86	5.65	6.57	6.88	7.64	8.4	9.24	9.89	10.38	11.42
	Power Input			2.34	2.41	2.5	2.54	2.59	2.66	2.73	2.79	2.87	3.01
	COP			2.08	2.34	2.63	2.71	2.95	3.16	3.38	3.55	3.62	3.8

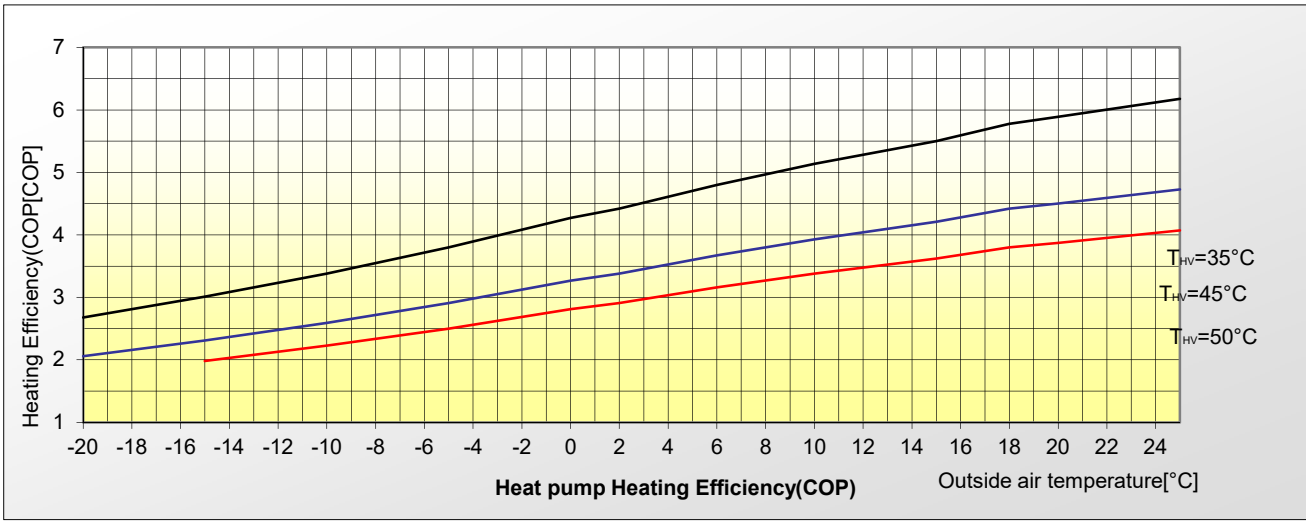
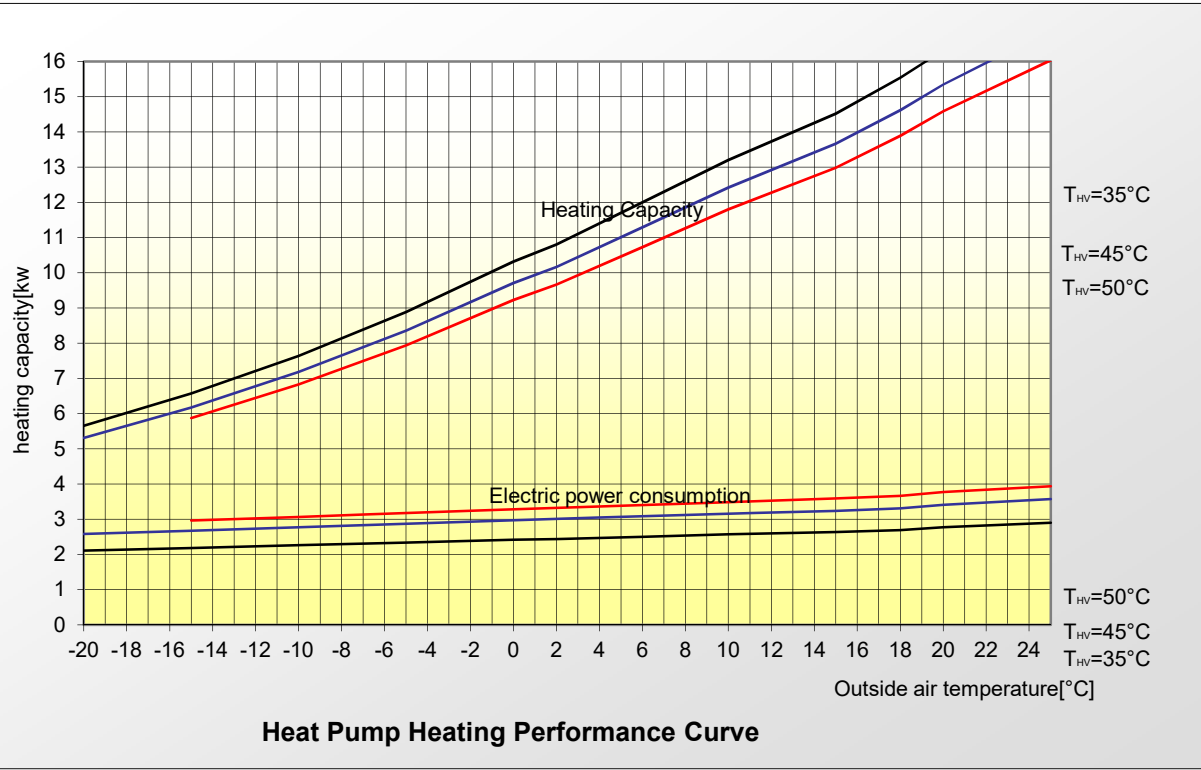


Heating and heat pump input power (WP100%)

Manufacturer:China Palm

AH12DCR-P32 Nominal Water Flow Rate 1.9 ton/hour

Water Outlet		Outdoor air wet bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	5.87	6.83	7.94	9.23	10.73	11.23	12.48	13.73	15.1	16.16	16.97	18.67
	Power Input	2.08	2.15	2.23	2.31	2.39	2.42	2.48	2.55	2.62	2.67	2.75	2.88
	COP	2.82	3.17	3.56	4	4.49	4.64	5.04	5.39	5.77	6.06	6.17	6.48
35	Capacity	5.65	6.57	7.64	8.88	10.32	10.8	12	13.2	14.52	15.54	16.32	17.95
	Power Input	2.11	2.18	2.26	2.34	2.42	2.44	2.5	2.57	2.64	2.69	2.77	2.9
	COP	2.68	3.01	3.38	3.8	4.27	4.42	4.8	5.14	5.5	5.78	5.89	6.18
40	Capacity	5.47	6.36	7.4	8.61	10.01	10.48	11.64	12.8	14.08	15.07	15.82	17.4
	Power Input	2.32	2.4	2.48	2.57	2.66	2.7	2.76	2.83	2.91	2.97	3.05	3.2
	COP	2.36	2.65	2.98	3.35	3.76	3.88	4.22	4.52	4.84	5.08	5.18	5.44
45	Capacity	5.31	6.17	7.18	8.35	9.71	10.16	11.29	12.42	13.66	14.62	15.35	16.89
	Power Input	2.58	2.67	2.77	2.87	2.97	3.01	3.08	3.16	3.24	3.31	3.41	3.57
	COP	2.06	2.31	2.59	2.91	3.27	3.38	3.67	3.93	4.21	4.42	4.5	4.73
50	Capacity		5.87	6.83	7.94	9.23	9.66	10.73	11.8	12.98	13.89	14.58	16.04
	Power Input		2.96	3.06	3.18	3.28	3.32	3.4	3.49	3.59	3.66	3.77	3.94
	COP		1.98	2.23	2.5	2.81	2.91	3.16	3.38	3.62	3.8	3.87	4.07
55	Capacity			6.48	7.53	8.76	9.17	10.19	11.21	12.33	13.19	13.85	15.24
	Power Input			3.39	3.5	3.62	3.67	3.75	3.85	3.96	4.03	4.16	4.35
	COP			1.91	2.15	2.42	2.5	2.72	2.91	3.11	3.27	3.33	3.5

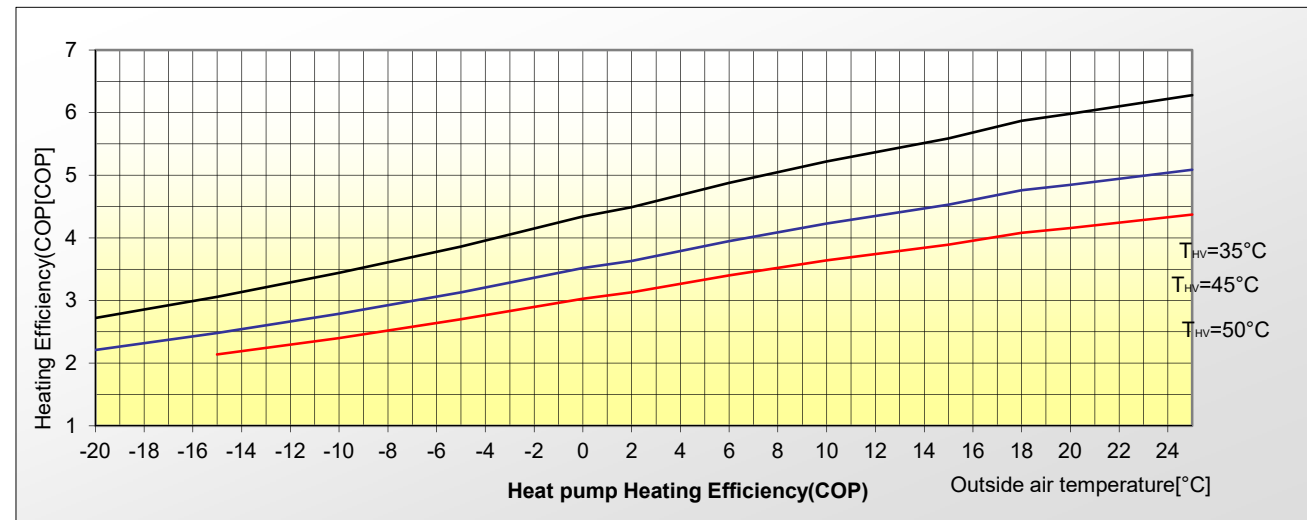
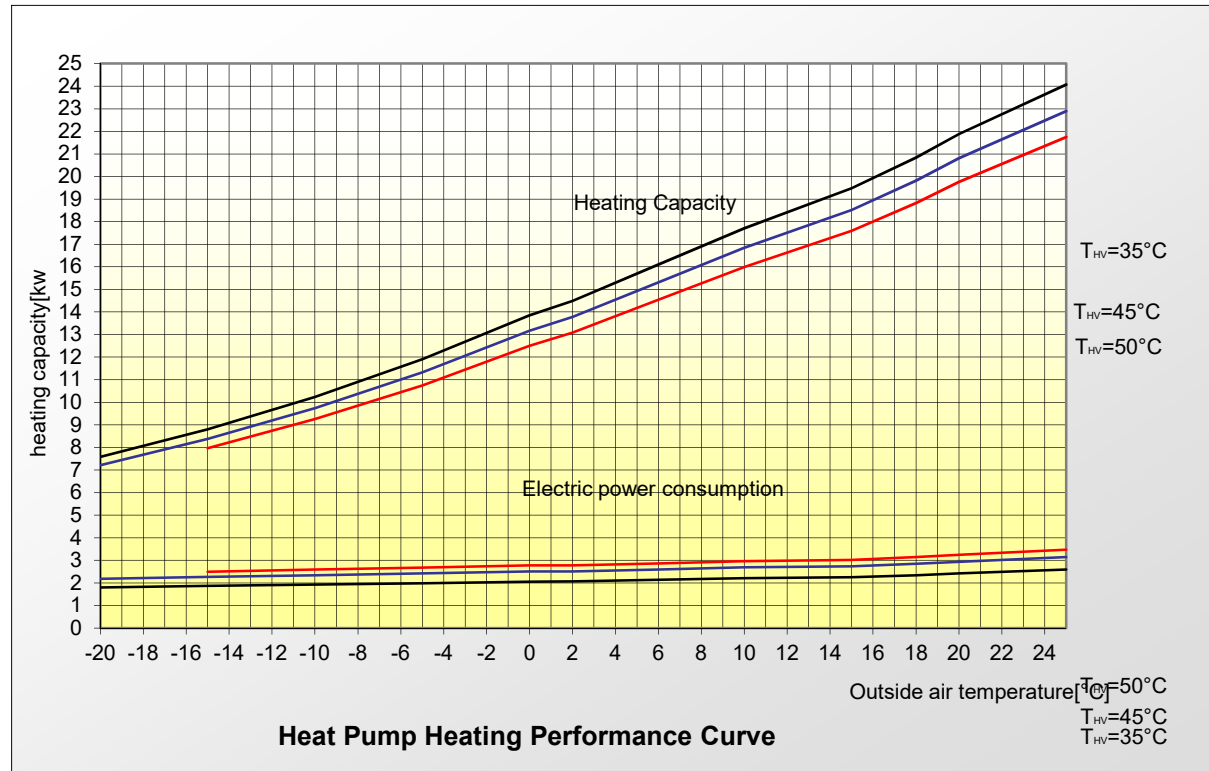


Heating and heat pump input power (WP100%)

Manufacturer: China Palm

AH16DCR-P32 Nominal Water Flow Rate 2.8 ton/hour

Water Outlet		Outdoor air wet bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	7.88	9.16	10.65	12.38	14.4	15.07	16.74	18.41	20.25	21.67	22.75	25.03
	Power Input	2.76	2.85	2.95	3.05	3.16	3.2	3.27	3.36	3.46	3.52	3.63	3.8
	COP	2.86	3.21	3.61	4.06	4.56	4.71	5.12	5.48	5.86	6.15	6.27	6.58
35	Capacity	7.58	8.81	10.24	11.91	13.85	14.49	16.1	17.71	19.48	20.84	21.88	24.07
	Power Input	2.79	2.88	2.98	3.09	3.19	3.23	3.3	3.39	3.48	3.55	3.66	3.83
	COP	2.72	3.06	3.44	3.86	4.34	4.49	4.88	5.22	5.59	5.87	5.98	6.28
40	Capacity	7.42	8.63	10.04	11.67	13.57	14.2	15.78	17.36	19.1	20.44	21.46	23.61
	Power Input	3.02	3.13	3.24	3.35	3.47	3.51	3.59	3.69	3.8	3.87	3.99	4.18
	COP	2.46	2.76	3.1	3.48	3.91	4.04	4.39	4.7	5.03	5.28	5.38	5.65
45	Capacity	7.21	8.38	9.74	11.33	13.17	13.78	15.31	16.84	18.52	19.82	20.81	22.89
	Power Input	3.26	3.38	3.49	3.62	3.74	3.8	3.88	3.98	4.09	4.16	4.29	4.5
	COP	2.21	2.48	2.79	3.13	3.52	3.63	3.95	4.23	4.53	4.76	4.85	5.09
50	Capacity		7.96	9.25	10.75	12.5	13.09	14.54	15.99	17.59	18.82	19.76	21.74
	Power Input		3.72	3.85	3.98	4.13	4.18	4.28	4.39	4.52	4.61	4.75	4.97
	COP		2.14	2.4	2.7	3.03	3.13	3.4	3.64	3.89	4.08	4.16	4.37
55	Capacity			8.79	10.22	11.88	12.43	13.81	15.19	16.71	17.88	18.77	20.65
	Power Input			4.27	4.42	4.57	4.62	4.73	4.87	5	5.09	5.26	5.49
	COP			2.06	2.31	2.6	2.69	2.92	3.12	3.34	3.51	3.57	3.76

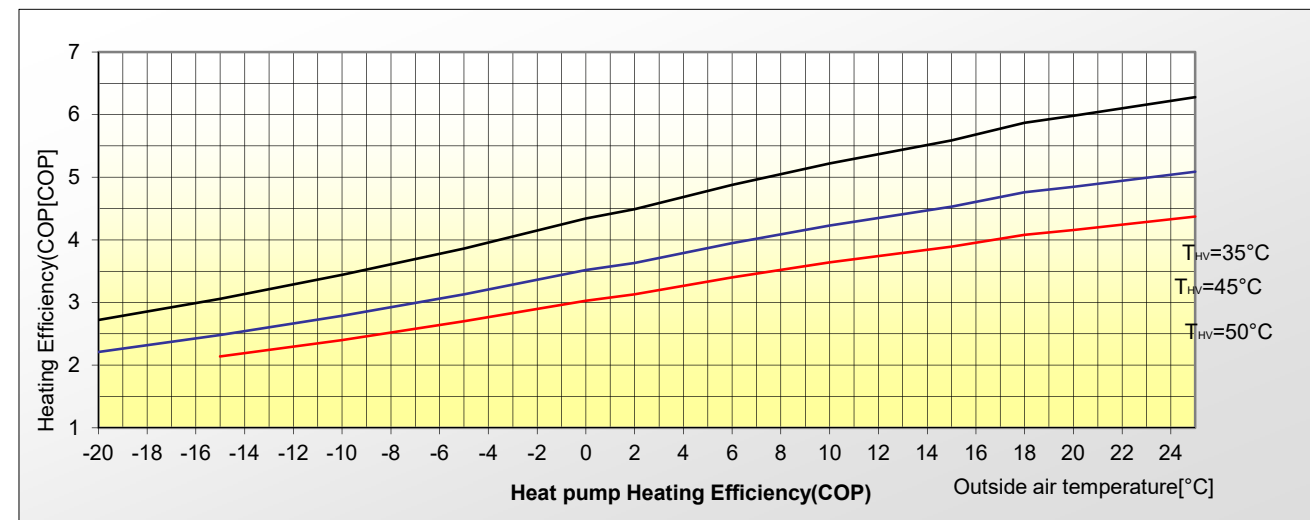
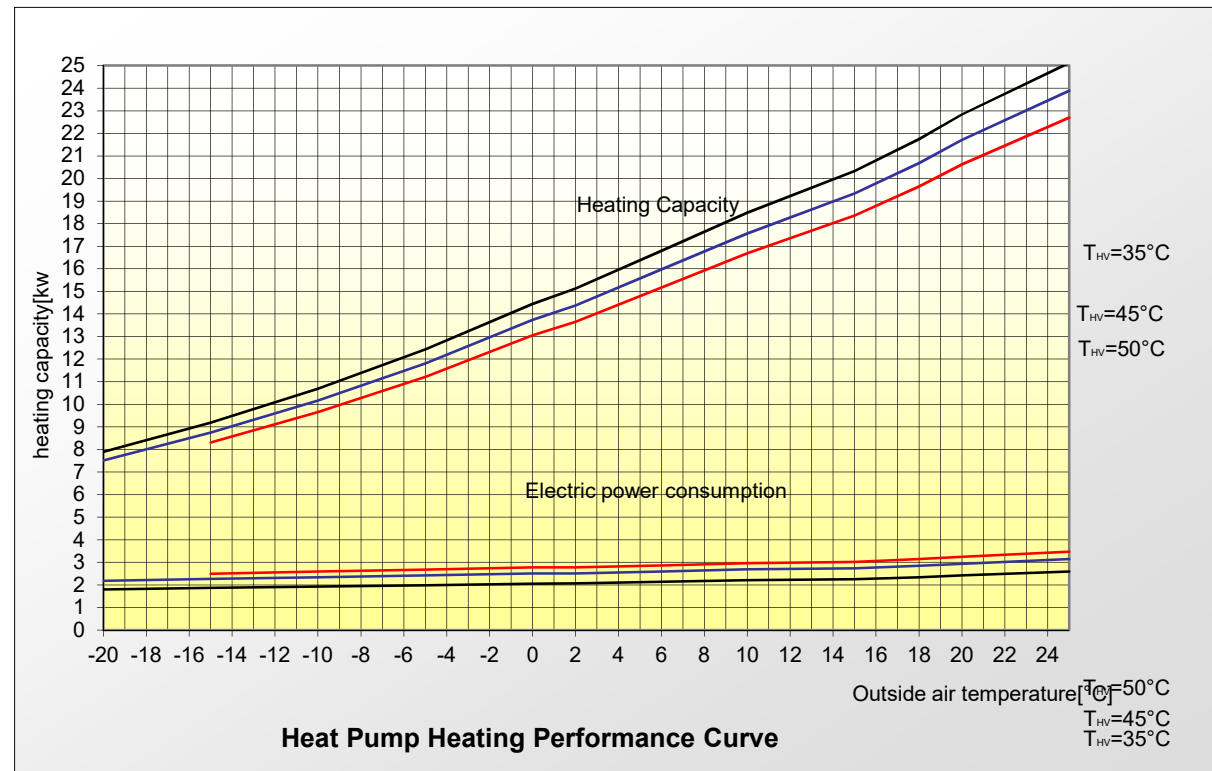


Heating and heat pump input power (WP100%)

Manufacturer: China Palm

AH17DCR-P32 Nominal Water Flow Rate 2.9 ton/hour

Water Outlet		Outdoor air dry bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	8.21	9.55	11.11	12.92	15.02	15.72	17.47	19.22	21.14	22.62	23.75	26.13
	Power Input	2.87	2.98	3.08	3.18	3.29	3.34	3.41	3.51	3.61	3.68	3.79	3.97
	COP	2.86	3.21	3.61	4.06	4.56	4.71	5.12	5.48	5.86	6.15	6.27	6.58
35	Capacity	7.9	9.19	10.69	12.43	14.45	15.12	16.8	18.48	20.33	21.75	22.84	25.12
	Power Input	2.9	3	3.11	3.22	3.33	3.37	3.44	3.54	3.64	3.71	3.82	4
	COP	2.72	3.06	3.44	3.86	4.34	4.49	4.88	5.22	5.59	5.87	5.98	6.28
40	Capacity	7.74	9	10.47	12.18	14.16	14.81	16.46	18.11	19.92	21.31	22.38	24.62
	Power Input	3.15	3.26	3.38	3.5	3.62	3.67	3.75	3.85	3.96	4.04	4.16	4.36
	COP	2.46	2.76	3.1	3.48	3.91	4.04	4.39	4.7	5.03	5.28	5.38	5.65
45	Capacity	7.52	8.74	10.16	11.81	13.73	14.37	15.97	17.57	19.33	20.68	21.71	23.88
	Power Input	3.4	3.52	3.64	3.77	3.9	3.96	4.04	4.15	4.27	4.34	4.48	4.69
	COP	2.21	2.48	2.79	3.13	3.52	3.63	3.95	4.23	4.53	4.76	4.85	5.09
50	Capacity		8.3	9.65	11.22	13.05	13.65	15.17	16.69	18.36	19.65	20.63	22.69
	Power Input		3.88	4.02	4.16	4.31	4.36	4.46	4.59	4.72	4.82	4.96	5.19
	COP		2.14	2.4	2.7	3.03	3.13	3.4	3.64	3.89	4.08	4.16	4.37
55	Capacity			9.17	10.66	12.39	12.97	14.41	15.85	17.44	18.66	19.59	21.55
	Power Input			4.45	4.61	4.77	4.82	4.93	5.08	5.22	5.32	5.49	5.73
	COP			2.06	2.31	2.6	2.69	2.92	3.12	3.34	3.51	3.57	3.76



Heating and heat pump input power (WP100%)

Manufacturer: China Palm

AH19DCR-P32 Nominal Water Flow Rate 3.2 ton/hour

Water Outlet		Outdoor air dry bulb temperature °C											
Temperature °C		-20	-15	-10	-5	0	2	6	10	15	18	20	25
30	Capacity	9.16	10.65	12.38	14.39	16.73	17.51	19.45	21.4	23.54	25.19	26.45	29.1
	Power Input	3.38	3.5	3.62	3.75	3.88	3.93	4.02	4.13	4.25	4.33	4.46	4.67
	COP	2.71	3.04	3.42	3.84	4.31	4.45	4.84	5.18	5.54	5.82	5.93	6.23
35	Capacity	8.8	10.23	11.89	13.83	16.08	16.83	18.7	20.57	22.63	24.21	25.42	27.96
	Power Input	3.42	3.54	3.66	3.79	3.92	3.97	4.06	4.17	4.29	4.37	4.5	4.72
	COP	2.57	2.89	3.25	3.65	4.1	4.24	4.61	4.93	5.28	5.54	5.65	5.93
40	Capacity	8.62	10.02	11.65	13.55	15.76	16.5	18.33	20.16	22.18	23.73	24.92	27.41
	Power Input	3.73	3.85	3.99	4.13	4.27	4.32	4.42	4.54	4.67	4.76	4.91	5.13
	COP	2.31	2.6	2.92	3.28	3.69	3.82	4.15	4.44	4.75	4.99	5.08	5.34
45	Capacity	8.37	9.73	11.31	13.15	15.29	16	17.78	19.56	21.52	23.03	24.18	26.6
	Power Input	4.02	4.16	4.3	4.44	4.59	4.65	4.75	4.89	5.03	5.13	5.28	5.54
	COP	2.08	2.34	2.63	2.96	3.33	3.44	3.74	4	4.28	4.49	4.58	4.8
50	Capacity		9.25	10.75	12.5	14.53	15.2	16.89	18.58	20.44	21.87	22.96	25.26
	Power Input		4.58	4.74	4.9	5.06	5.14	5.25	5.39	5.54	5.65	5.81	6.1
	COP		2.02	2.27	2.55	2.87	2.96	3.22	3.45	3.69	3.87	3.95	4.14
55	Capacity			10.21	11.87	13.8	14.45	16.05	17.66	19.43	20.79	21.83	24.01
	Power Input			5.21	5.4	5.59	5.67	5.79	5.97	6.13	6.24	6.44	6.74
	COP			1.96	2.2	2.47	2.55	2.77	2.96	3.17	3.33	3.39	3.56

