



AIR-TO-WATER HEAT PUMP · RESIDENTIAL MONOBLOC

BLIZZARD GX 2-10

Heating capacity, power input and COP across ambient and water outlet temperatures

MAX. HEATING CAPACITY, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	3.5	4.25	5.05	5.86	6.34	6.55	7.3	9.6	10.23	11.3	11.65	10.73	11.24	9.73	11
45	3.47	4.13	4.78	5.67	6.18	6.48	7.1	9.2	9.92	10.6	11.39	9.95	10.74	9.23	9.91
50	3	3.6	4.65	5.3	5.8	6.2	6.93	8.9	9.5	10.2	10.9	9.8	10.3	8.71	9.34
55	2.65	3.5	4.5	5.16	5.6	5.95	6.78	8.3	9	9.65	10.4	7.83	8.45	8.28	8.72
60	2.47	3.4	4.34	5.15	5.45	5.8	6.5	8	8.65	8.42	8.99	7.5	8	7.89	8.25
65	—	—	4.17	4.81	5.13	5.29	5.72	7.45	7.92	7.85	8.35	6.55	6.98	6.75	7.02
70	—	—	—	—	3.96	4.38	4.45	4.85	6	6.45	6.85	7.25	4.84	—	—
75	—	—	—	—	—	—	4.14	4.3	5.44	5.5	6.25	6.29	—	—	—

POWER INPUT, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	2	2.05	2.1	2.18	2.25	2.35	2.38	2.35	2.44	2.45	2.48	1.67	1.71	1.44	1.56
45	2.16	2.2	2.3	2.38	2.45	2.5	2.56	2.55	2.62	2.68	2.78	2.03	2.05	1.57	1.61
50	2.3	2.35	2.4	2.5	2.57	2.62	2.69	2.71	2.8	2.85	2.9	2.26	2.29	1.66	1.75
55	2.4	2.45	2.52	2.64	2.8	2.85	2.9	3.09	3.09	3.15	3.25	2.38	2.45	1.84	1.95
60	2.45	2.65	2.75	2.82	2.9	2.96	3.08	3.28	3.3	3.1	3.19	2.51	2.63	2.08	2.16
65	—	—	2.8	2.85	2.95	2.98	3.18	3.23	3.28	3.15	3.2	2.48	2.62	1.98	2.02
70	—	—	—	—	2.7	2.79	2.8	2.95	3.15	3.2	3.05	3.1	2.05	—	—
75	—	—	—	—	—	—	3.02	3.1	3.28	3.35	3.4	3.26	—	—	—

COP, KW/KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	1.75	2.07	2.4	2.69	2.82	2.79	3.07	4.09	4.19	4.61	4.7	6.43	6.57	6.76	7.051
45	1.6	1.88	2.08	2.38	2.52	2.6	2.77	3.61	3.79	3.96	4.11	4.9	5.24	5.879	6.155
50	1.3	1.53	1.94	2.12	2.26	2.37	2.58	3.28	3.39	3.58	3.76	4.34	4.5	5.247	5.337
55	1.1	1.43	1.79	1.96	2	2.09	2.34	2.69	2.91	3.06	3.2	3.29	3.45	4.5	4.472
60	1.01	1.28	1.58	1.83	1.88	1.96	2.11	2.44	2.62	2.72	2.82	2.99	3.04	3.793	3.819
65	—	—	1.49	1.69	1.74	1.78	1.8	2.31	2.41	2.492	2.61	2.64	2.66	3.41	3.48
70	—	—	—	—	1.47	1.57	1.59	1.64	1.9	2.02	2.25	2.34	2.36	—	—
75	—	—	—	—	—	—	1.37	1.39	1.66	1.64	1.84	1.93	—	—	—

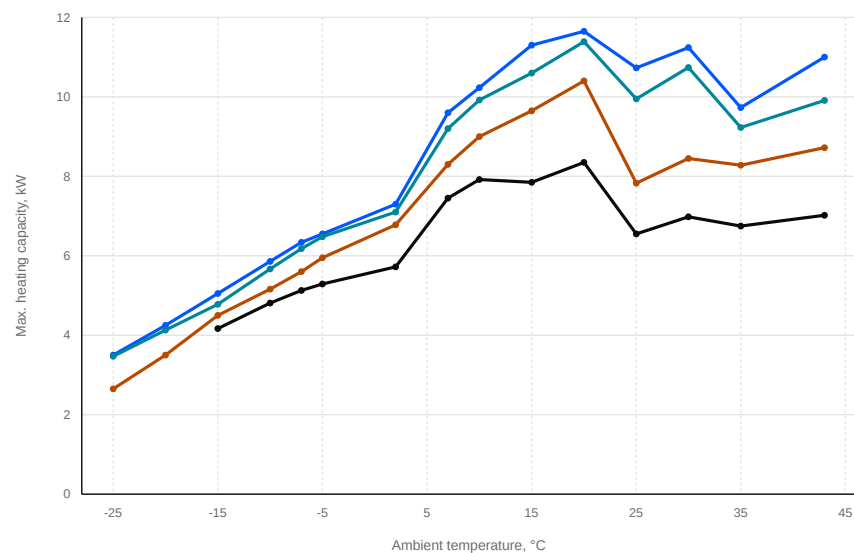
AIR-TO-WATER HEAT PUMP · RESIDENTIAL MONOBLOC

BLIZZARD GX 2-10

Performance curves at leaving water temperatures (LWT) 35 / 45 / 55 / 65°C

MAX. HEATING CAPACITY VS. AMBIENT TEMPERATURE

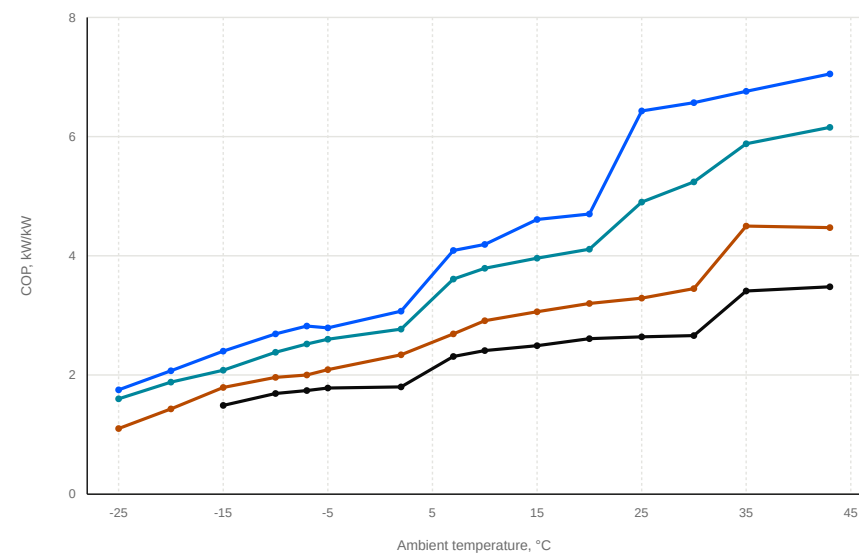
Capacity delivered at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

COP VS. AMBIENT TEMPERATURE

Coefficient of performance at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

Curves connect measured test points at each water outlet (LWT) setpoint; no data is interpolated. Not all LWT/ambient combinations are tested at the extremes of the operating envelope — see full data table on the previous page for exact tested points.

AIR-TO-WATER HEAT PUMP · RESIDENTIAL MONOBLOC

BLIZZARD GX 4-15

Heating capacity, power input and COP across ambient and water outlet temperatures

MAX. HEATING CAPACITY, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	6.97	8.18	9.38	10.68	11.42	11.91	12.6	14.7	16.32	17.29	18.71	18.88	20.26	17	18.92
45	6.06	7.5	8.94	10.29	11.08	11.61	12.46	14.58	15.33	16.57	18.14	18.18	19.54	16.42	17.69
50	5.42	6.8	8.18	9.46	9.96	10.74	11.62	13.65	14.14	15.13	16.84	16.56	17.7	16.13	17.07
55	5.15	6.61	7.97	9.28	10.07	10.82	11.56	13.5	13.99	13.74	15.56	16.23	17.48	15.84	16.76
60	4.9	5.91	7.24	8.23	8.93	9.72	10.49	11.55	12.26	12.4	14.28	15.12	15.86	14.91	15.94
65	—	—	6.12	6.97	7.88	8.74	10.26	11.29	11.98	11.1	12.99	13.78	14.87	12.19	12.57
70	—	—	—	—	6.28	6.97	7.99	9.06	10.18	10.8	9.85	11.69	10.38	—	—
75	—	—	—	—	—	—	5.5	6.13	6.91	7.6	7.95	7.16	—	—	—

POWER INPUT, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	3.69	3.97	4.13	4.3	4.37	4.41	4.52	4.12	4.17	4.31	4.55	4.27	4.24	2.66	2.63
45	3.85	4.2	4.56	4.72	4.82	4.88	5.07	4.55	4.7	4.8	4.98	4.57	4.63	3.16	3.22
50	3.64	4.12	4.53	4.66	4.7	4.79	4.99	4.67	4.73	4.77	5.03	4.45	4.48	3.52	3.56
55	3.9	4.38	4.83	4.93	5.06	5.13	5.23	5.2	5.42	4.87	4.92	4.83	4.91	3.94	3.99
60	4.26	4.31	4.61	4.75	4.8	4.91	5.02	5.25	5.35	4.61	4.67	4.71	4.75	3.92	4.03
65	—	—	4.37	4.41	4.55	4.72	5.21	5.3	5.5	4.39	4.57	4.62	4.65	3.33	3.41
70	—	—	—	—	4.43	4.78	4.81	4.82	5.17	5.24	4.28	4.71	3.99	—	—
75	—	—	—	—	—	—	4.91	4.94	5.08	5.24	5.27	4.42	—	—	—

COP, KW/KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	1.89	2.06	2.27	2.48	2.61	2.7	2.79	3.57	3.91	4.01	4.11	4.42	4.78	6.39	7.18
45	1.57	1.79	1.96	2.18	2.3	2.38	2.46	3.17	3.26	3.45	3.64	3.98	4.22	5.2	5.5
50	1.49	1.65	1.81	2.03	2.12	2.25	2.33	2.92	2.99	3.17	3.35	3.72	3.95	4.58	4.79
55	1.32	1.51	1.65	1.88	1.99	2.11	2.21	2.51	2.58	2.82	3.16	3.36	3.56	4.02	4.2
60	1.15	1.37	1.57	1.73	1.86	1.98	2.09	2.18	2.29	2.69	3.06	3.21	3.34	3.96	4.11
65	—	—	1.4	1.58	1.73	1.85	1.97	2.08	2.18	2.53	2.84	2.98	3.2	3.73	4.01
70	—	—	—	—	1.39	1.43	1.63	1.84	1.97	2.06	2.3	2.48	2.6	—	—
75	—	—	—	—	—	—	1.12	1.24	1.36	1.48	1.54	1.62	—	—	—

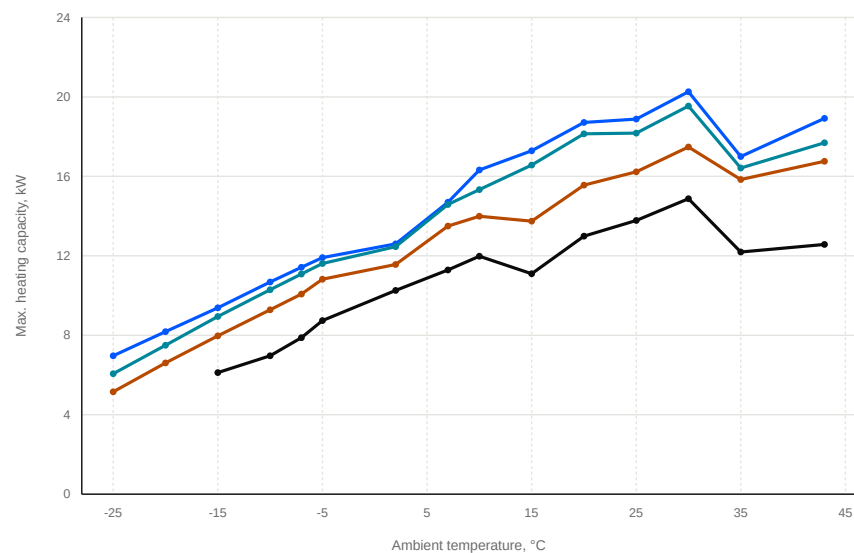
AIR-TO-WATER HEAT PUMP · RESIDENTIAL MONOBLOC

BLIZZARD GX 4-15

Performance curves at leaving water temperatures (LWT) 35 / 45 / 55 / 65°C

MAX. HEATING CAPACITY VS. AMBIENT TEMPERATURE

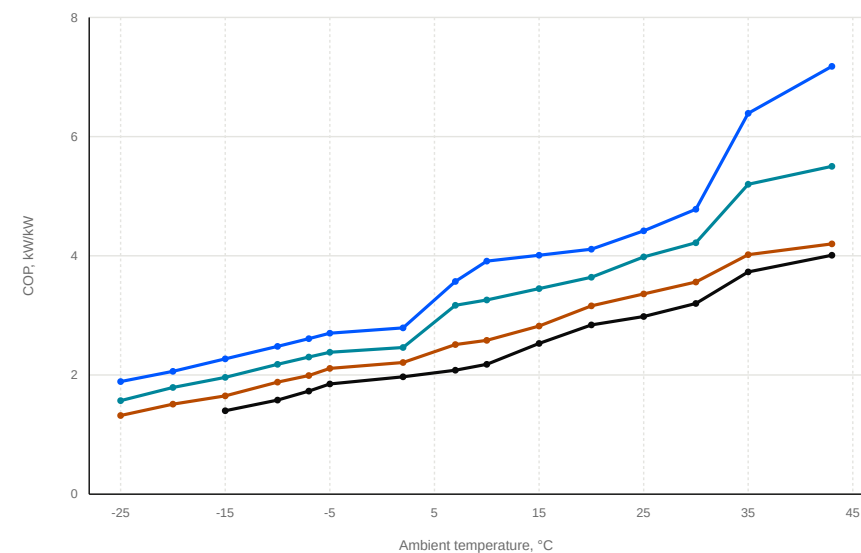
Capacity delivered at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

COP VS. AMBIENT TEMPERATURE

Coefficient of performance at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

Curves connect measured test points at each water outlet (LWT) setpoint; no data is interpolated. Not all LWT/ambient combinations are tested at the extremes of the operating envelope — see full data table on the previous page for exact tested points.

AIR-TO-WATER HEAT PUMP · RESIDENTIAL MONOBLOC

BLIZZARD GX 5-23

Heating capacity, power input and COP across ambient and water outlet temperatures

MAX. HEATING CAPACITY, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	9.58	11.49	13.3	15.25	16.08	16.49	17.02	23.2	24.28	25.97	27.33	24.28	25.97	21.32	23.5
45	9.25	10.84	12.67	15.19	15.62	16.09	16.63	22.92	23.63	24.77	26.56	23.34	24.86	20.69	22.51
50	9.14	10.77	12.28	14.94	15.21	15.52	16.36	22.75	23.27	24.18	26.16	22.91	24.34	20.35	21.95
55	8.93	10.6	12.14	14.63	14.79	15.05	16.22	22.53	22.93	23.53	25.72	22.43	24.11	19.96	21.24
60	7.73	9.33	10.82	12.49	13.33	14.35	16.17	20.74	21.55	22.36	23.14	22.05	23.93	19.48	20.47
65	—	—	10.25	11.49	12.53	13.31	15.92	18.61	19.87	20.37	22.1	21.57	23.41	18.97	19.6
70	—	—	—	—	9.79	10.46	10.92	10.96	13.12	14.2	12.04	13.86	15.18	—	—
75	—	—	—	—	—	—	8.36	8.87	8.7	10.47	11.48	9.39	—	—	—

POWER INPUT, KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	5.12	5.41	5.49	5.6	5.7	5.77	5.92	6.5	6.61	6.67	6.76	4.19	4.29	2.91	3.01
45	5.48	5.81	6.09	6.23	6.31	6.26	6.36	7.02	7.22	7.44	7.54	4.91	5.05	3.58	3.62
50	5.74	6.11	6.38	6.51	6.59	6.67	6.75	7.42	7.52	7.82	7.94	5.23	5.38	3.81	3.93
55	6.06	6.37	6.65	6.93	6.99	7.08	7.36	7.98	8.03	8.11	8.18	5.81	6.03	4.37	4.46
60	5.89	6.21	6.56	6.83	7.26	7.37	7.43	7.53	7.61	7.71	7.85	6.47	6.82	5.05	5.17
65	—	—	6.98	7.22	7.78	8.2	7.46	7.63	7.76	7.82	8.09	6.92	7.33	5.3	5.45
70	—	—	—	—	6.89	7.31	7.53	6.3	6.44	6.49	5.18	5.32	5.54	—	—
75	—	—	—	—	—	—	7.9	8.14	6.45	6.57	6.75	5.46	—	—	—

COP, KW/KW															
WATER OUTLET TEMP, °C	AMBIENT TEMPERATURE, °C														
	-25	-20	-15	-10	-7	-5	2	7	10	15	20	25	30	35	43
35	1.87	2.12	2.42	2.73	2.82	2.86	2.88	3.57	3.67	3.89	4.04	5.79	6.05	7.34	7.81
45	1.69	1.87	2.08	2.44	2.48	2.57	2.61	3.26	3.27	3.33	3.52	4.75	4.92	5.78	6.22
50	1.59	1.76	1.92	2.29	2.31	2.33	2.42	3.07	3.09	3.09	3.29	4.38	4.52	5.34	5.59
55	1.47	1.67	1.82	2.11	2.12	2.13	2.2	2.82	2.86	2.9	3.14	3.86	4	4.56	4.76
60	1.31	1.5	1.65	1.83	1.84	1.95	2.18	2.75	2.83	2.9	2.95	3.41	3.51	3.86	3.96
65	—	—	1.47	1.59	1.61	1.62	2.13	2.44	2.56	2.6	2.73	3.12	3.19	3.58	3.6
70	—	—	—	—	1.42	1.43	1.45	1.74	2.04	2.19	2.32	2.61	2.74	—	—
75	—	—	—	—	—	—	1.06	1.09	1.35	1.59	1.7	1.72	—	—	—

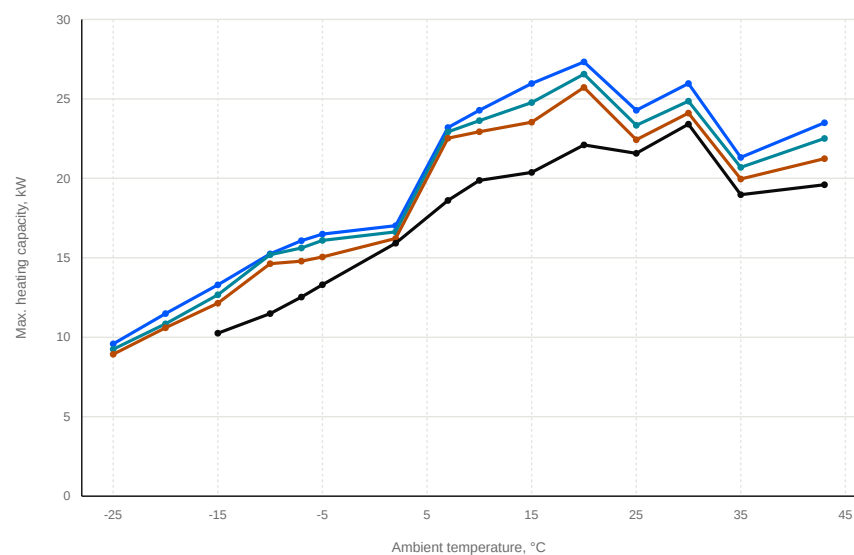
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BLIZZARD GX 5-23

Performance curves at leaving water temperatures (LWT) 35 / 45 / 55 / 65°C

MAX. HEATING CAPACITY VS. AMBIENT TEMPERATURE

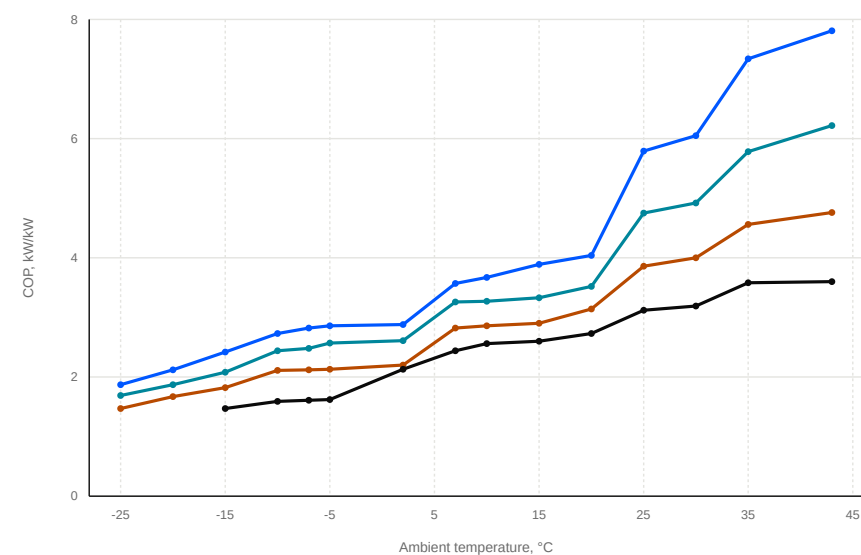
Capacity delivered at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

COP VS. AMBIENT TEMPERATURE

Coefficient of performance at each water outlet (LWT) setpoint



— LWT 35°C — LWT 45°C — LWT 55°C — LWT 65°C

Curves connect measured test points at each water outlet (LWT) setpoint; no data is interpolated. Not all LWT/ambient combinations are tested at the extremes of the operating envelope — see full data table on the previous page for exact tested points.