

Performance and Curves - Monobloc Heat Pump

Master Plus R290 Monobloc

Performance Table for Heating Operation

Maximum Heating Capacity

MASTER PLUS 120 / 120-TRI

Outdoor Temperature	-25°C DE	-20°C DE	-15°C DE	-10°C DE	-5°C DE	0°C DE	5°C DE	10°C DE	15°C DE	20°C DE	25°C DE	30°C DE	35°C DE	40°C DE	45°C DE
Outlet water temp.30°C	6.35	8.26	9.53	10.80	11.69	12.07	12.32	12.96	13.47	13.98	14.48	14.99	15.50	16.01	16.52
Outlet water temp.35°C	6.05	7.87	9.08	10.29	11.13	11.50	11.74	12.34	12.83	13.31	13.79	14.28	14.76	15.25	15.73
Outlet water temp.40°C	5.75	7.47	8.62	9.77	10.58	10.92	11.15	11.72	12.18	12.64	13.10	13.56	14.02	14.48	14.94
Outlet water temp.45°C	5.45	7.08	8.17	9.26	10.02	10.35	10.56	11.11	11.54	11.98	12.41	12.85	13.29	13.72	14.16
Outlet water temp.50°C	5.14	6.69	7.71	8.74	9.46	9.77	9.98	10.49	10.90	11.31	11.72	12.14	12.55	12.96	13.37
Outlet water temp.55°C	4.84	6.29	7.26	8.23	8.91	9.20	9.39	9.87	10.26	10.65	11.04	11.42	11.81	12.20	12.58
Outlet water temp.60°C	4.54	5.90	6.81	7.71	8.35	8.62	8.80	9.26	9.62	9.98	10.35	10.71	11.07	11.43	11.80
Outlet water temp.65°C	4.24	5.51	6.35	7.20	7.79	8.05	8.22	8.64	8.98	9.32	9.66	9.99	10.33	10.67	11.01
Outlet water temp.70°C			5.99	6.79	7.35	7.59	7.75	8.15	8.47	8.78	9.10	9.42	9.74	10.06	10.38
Outlet water temp.75°C			5.45	6.17	6.68	6.90	7.04	7.41	7.70	7.99	8.28	8.57	8.86	9.15	9.44

Note

1. DB : Dry Bulb Temperature (°C)
2. Direct interpolation is permissible. Do not extrapolate.
3. Measuring procedure follows EN-14511.
 - Rated values are based on standard conditions and it can be found on specifications.
 - Above table values may not be matched according to installation condition. Except for rated value, the performance is not guaranteed.
 - In accordance with the test standard (or nations), the rating will vary slightly.
4. The shaded areas are not guaranteed continuous operation.

Performance Table for Cooling Operation

Maximum Cooling Capacity

MASTER PLUS 120 / 120-TRI

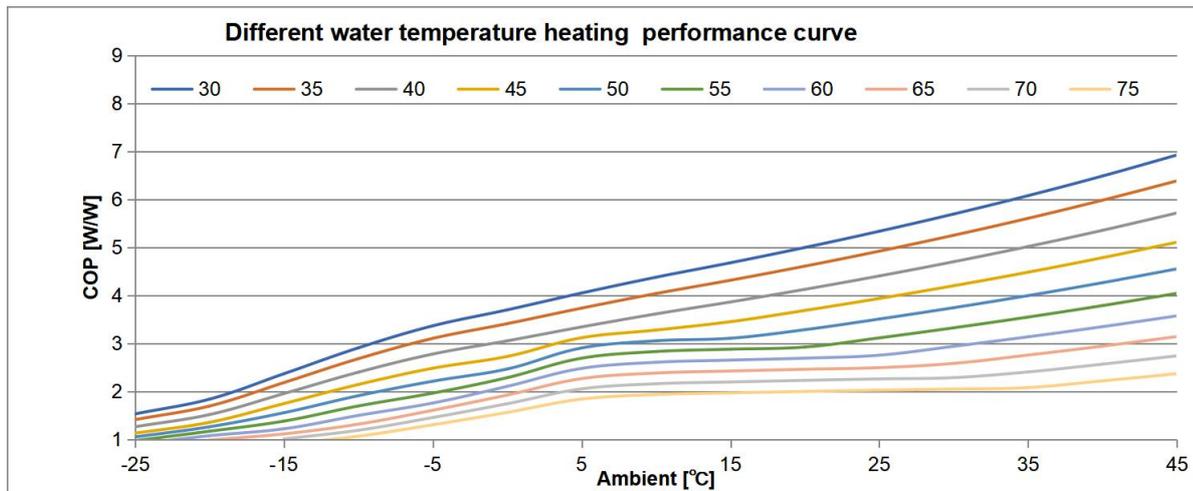
Outdoor Temperature	15°C DB	20°C DB	25°C DB	30°C DB	35°C DB	40°C DB	45°C DB
Outlet water temp.7°C	14.95	14.29	13.41	12.31	10.99	9.46	7.70
Outlet water temp.12°C	15.14	14.47	13.58	12.47	11.13	9.57	7.79
Outlet water temp.18°C	15.37	14.69	13.79	12.66	11.30	9.72	7.91

Note

1. DB : Dry Bulb Temperature (°C)
2. Direct interpolation is permissible. Do not extrapolate.
3. Measuring procedure follows EN-14511.
 - Rated values are based on standard conditions and it can be found on specifications.
 - Above table values may not be matched according to installation condition. Except for rated value, the performance is not guaranteed.
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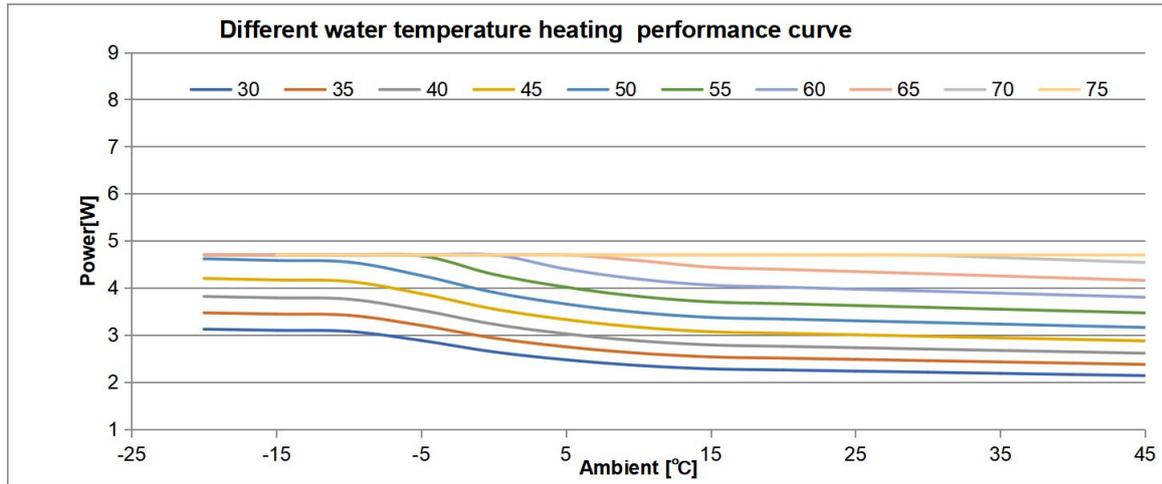
COP Curves for Heating Operation

MASTER PLUS 120 /120-TRI



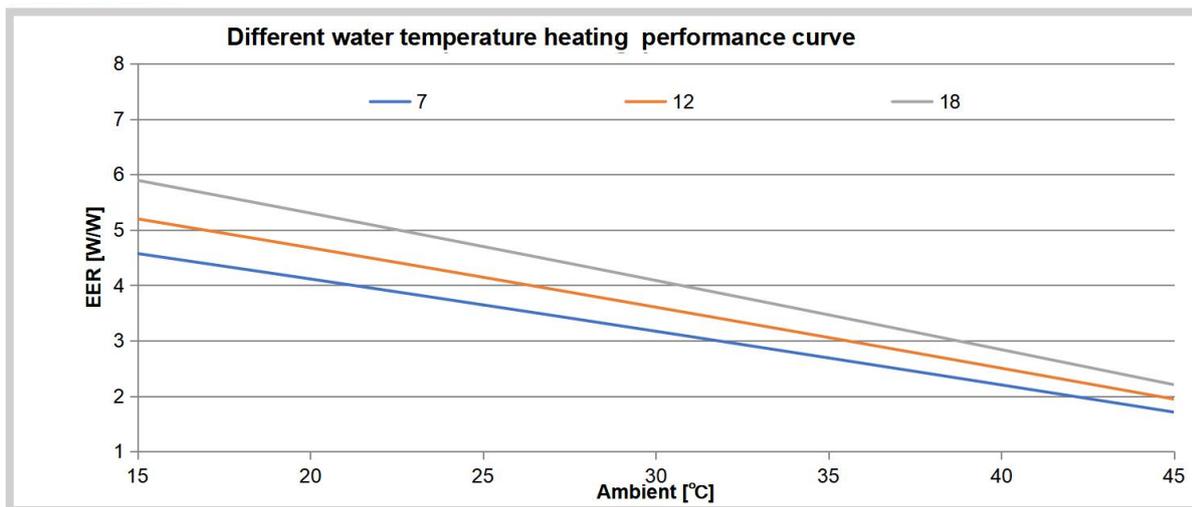
Power Curves for Heating Operation

MASTER PLUS 120 /120-TRI



EER Curves for Cooling Operation

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