IPK KNIPPEL GmbH
GROSSHANDEL FÜR KLIMA- & HEIZUNGSTECHNIK

R290

LG ThermaV R290 Premium Wärmepumpe 12,0kW

Leistungsdaten—Heizung / Kühlen



Leistungsdaten—Heizung

Outdoor Temp. [°C DB]	Water flow rate 34.5 LPM								Water flow rate 21.6 LPM				Water flow rate 17.3 LPM							
	LWT 30 °C		LWT 35 °C		LWT 40 °C		LWT 45 °C		LWT 50 °C		LWT 55 °C		LWT 60°C		LWT 65 °C		LWT 70°C		LWT 75 °C	
	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP
-25	8.36	2.42	8.07	2.23	7.79	2.02	7.54	1.82	7.32	1.60	6.37	1.33								
-20	9.60	2.76	9.39	2.53	9.20	2.33	9.09	2.13	9.08	1.92	8.27	1.70	6.77	1.42						
-15	10.84	3.09	10.69	2.88	10.55	2.66	10.55	2.44	10.84	2.27	10.76	2.14	8.71	1.78	7.17	1.49				
-7	12.00	3.62	12.00	3.30	12.00	3.08	12.00	2.88	12.00	2.66	12.00	2.48	11.27	2.19	10.00	1.97	8.99	1.78		
-4	12.00	3.84	12.00	3.49	12.00	3.29	12.00	3.05	12.00	2.84	12.00	2.60	12.00	2.35	10.88	2.13	9.65	1.91	8.91	1.77
-2	12.00	3.98	12.00	3.63	12.00	3.41	12.00	3.19	12.00	2.95	12.00	2.70	12.00	2.45	11.45	2.22	10.29	2.01	9.32	1.84
2	12.00	4.62	12.00	3.72	12.00	3.78	12.00	3.52	12.00	3.26	12.00	2.95	12.00	2.59	8.08	1.68	6.84	1.44	6.36	1.34
7	12.00	5.32	12.00	4.70	12.00	4.28	12.00	3.97	12.00	3.64	12.00	3.37	12.00	2.86	10.28	2.08	8.34	1.73	7.67	1.60
10	12.00	5.74	12.00	4.97	12.00	4.61	12.00	4.25	12.00	3.88	12.00	3.48	12.00	3.00	11.20	2.28	9.90	2.02	8.95	1.82
15	12.00	6.31	12.00	5.65	12.00	5.16	12.00	4.72	12.00	4.27	12.00	3.81	12.00	3.36	12.00	2.55	12.00	2.37	11.09	2.17
18	12.00	6.65	12.00	6.02	12.00	5.48	12.00	5.00	12.00	4.51	12.00	3.97	12.00	3.58	12.00	2.78	12.00	2.54	11.69	2.26
20	12.00	6.87	12.00	6.26	12.00	5.70	12.00	5.19	12.00	4.68	12.00	4.17	12.00	3.72	12.00	2.93	12.00	2.65	12.00	2.32
35					12.00	7.33	12.00	6.42	12.00	5.85	12.00	5.28	12.00	4.71	12.00	4.14	12.00	3.46	12.00	2.90

Note

1. DB : Dry bulb temperature(℃), LWT : Leaving water temperature(℃), LPM : Liter per minute (ℓ /min)
2. TC : Total capacity(kW), EER: Energy efficiency ratio(kW/kW), COP : Coefficient of performance (kW/kW)
3. Direct interpolation is permissible. Do not extrapolate.
4. Measuring procedure follows EN14511.
   - 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 results may vary.
5. The Shaded areas are not guaranteed continuous operation.
6. When used in Cascade, the desired temperature is up to 70℃ and the maximum leaving water temperature of 70℃ can be used in the capacity table.

Leistungsdaten—Kühlung

Outdoor Temperature [°C DB]	Water flow rate 33.1 LPM													
	LWT 7 °C		LWT 10 °C		LWT 13 °C		LWT 15 °C		LWT 18 °C		LWT 20 °C		LWT 22 °C	
	TC	EER	TC	EER	TC	EER	TC	EER	TC	EER	TC	EER	TC	EER
20	11.50	4.02	11.50	4.35	11.50	4.69	11.50	4.92	11.50	5.27	11.50	5.50	11.50	5.74
30	10.97	3.41	11.50	3.79	11.50	4.09	11.50	4.33	11.50	4.56	11.50	4.68	11.50	4.64
35	10.50	3.12	11.28	3.33	11.50	3.53	11.50	3.74	11.50	3.78	11.50	4.02	11.50	4.09
40	9.35	2.74	10.08	2.91	10.80	3.07	11.27	3.22	11.50	3.36	11.50	3.45	11.50	3.54
45	8.19	2.34	8.90	2.49	9.61	2.62	10.07	2.70	10.77	2.82	11.23	2.90	11.50	2.99

Note

1. DB : Dry bulb temperature(℃), LWT : Leaving water temperature(℃), LPM : Liter per minute (ℓ /min)
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3. Direct interpolation is permissible. Do not extrapolate.
4. Measuring procedure follows EN14511.
   - Rated values are based on standard conditions, and it can be found on specifications.
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   - In accordance with the test standard(or nations), the results may vary.
5. The Shaded areas are not guaranteed continuous operation.

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