

4-6. Part Load Tables

Specifications part load heating capacity and input (peak) LWT(°C) =35°C

▼Outdoor unit **HWS-P804HR-E**
Hydro unit **HWS-P804XWH**-E**

Capacity (kW)		Load (%)									
		100	90	80	70	60	50	40	30	20	10
TO (°C)	-25	6.18	5.56	4.94	4.33	3.71	3.09	2.15	2.15	2.15	2.24
	-20	7.77	7.00	6.22	5.44	4.66	3.89	2.70	2.70	2.70	2.82
	-15	9.37	8.43	7.50	6.56	5.62	4.68	3.25	3.25	3.25	3.40
	-7	11.92	10.73	9.54	8.34	7.15	5.96	4.14	4.14	4.14	4.32
	-2	13.74	12.36	10.99	9.62	8.24	6.87	4.77	4.77	4.77	4.98
	2	15.19	13.67	12.15	10.63	9.11	7.60	5.27	5.27	5.27	5.50
	7	16.92	15.23	13.54	11.84	10.15	8.46	6.77	5.08	3.38	2.07
	10	18.21	16.38	14.56	12.74	10.92	9.10	7.28	5.46	3.64	2.34
	12	19.06	17.16	15.25	13.34	11.44	9.53	7.62	5.72	3.81	2.52
	15	20.35	18.31	16.28	14.24	12.21	10.17	8.14	6.10	4.07	2.79
20	22.49	20.24	17.99	15.74	13.49	11.25	9.00	6.75	4.50	3.24	

Power input (kW)		Load (%)									
		100	90	80	70	60	50	40	30	20	10
TO (°C)	-25	3.40	2.99	2.58	2.17	1.76	1.49	0.99	0.99	0.99	1.11
	-20	3.66	3.22	2.78	2.33	1.89	1.60	1.07	1.07	1.07	1.20
	-15	3.85	3.39	2.92	2.46	2.00	1.69	1.13	1.13	1.13	1.26
	-7	4.08	3.59	3.10	2.60	2.11	1.78	1.19	1.19	1.19	1.33
	-2	4.22	3.71	3.20	2.69	2.18	1.84	1.23	1.23	1.23	1.38
	2	4.31	3.79	3.27	2.75	2.23	1.88	1.26	1.26	1.26	1.41
	7	4.25	3.68	3.11	2.54	2.19	1.85	1.50	1.15	0.80	0.53
	10	4.09	3.60	3.10	2.61	2.11	1.77	1.43	1.09	0.75	0.51
	12	4.00	3.52	3.04	2.56	2.08	1.74	1.40	1.06	0.73	0.50
	15	3.89	3.43	2.96	2.50	2.03	1.70	1.36	1.03	0.69	0.48
20	3.74	3.30	2.86	2.42	1.98	1.65	1.31	0.97	0.64	0.45	

COP		Load (%)									
		100	90	80	70	60	50	40	30	20	10
TO (°C)	-25	1.82	1.86	1.92	1.99	2.11	2.08	2.16	2.16	2.16	2.02
	-20	2.13	2.18	2.24	2.33	2.46	2.43	2.52	2.52	2.52	2.36
	-15	2.43	2.49	2.56	2.67	2.82	2.78	2.88	2.88	2.88	2.70
	-7	2.92	2.99	3.08	3.20	3.39	3.34	3.47	3.47	3.47	3.24
	-2	3.26	3.33	3.43	3.57	3.78	3.72	3.87	3.87	3.87	3.61
	2	3.53	3.61	3.72	3.87	4.09	4.03	4.19	4.19	4.19	3.91
	7	3.98	4.14	4.35	4.66	4.63	4.58	4.52	4.42	4.24	3.92
	10	4.45	4.56	4.70	4.89	5.17	5.14	5.08	5.00	4.84	4.59
	12	4.76	4.87	5.02	5.22	5.51	5.48	5.44	5.37	5.25	5.07
	15	5.23	5.35	5.50	5.70	6.00	5.99	5.98	5.95	5.89	5.82
20	6.01	6.13	6.29	6.50	6.81	6.83	6.87	6.93	7.06	7.21	

* Heating capacity and power input are include defrost cycle data.

* Heating capacity and power input at 100% load are shown at maximum compressor operating frequency.

* Power input does not include water pump power.

* Heating capacity and power input at 100% load are measured in accordance with EN14511.

TO : Outdoor temperature (DB°C) RH85%

LWT : Leaving water temperature (°C)