

ERQ140AV1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100% 18.00 kW (150.0)	-19.8	-20.0	11.1	3.70	11.1	3.87	11.1	4.03	11.1	4.12	11.0	4.20	11.0	4.37
	-18.8	-19.0	11.5	3.79	11.4	3.95	11.4	4.12	11.4	4.20	11.4	4.28	11.3	4.44
	-16.7	-17.0	12.1	3.96	12.1	4.11	12.1	4.27	12.1	4.34	12.0	4.42	12.0	4.58
	-14.7	-15.0	12.8	4.11	12.8	4.26	12.7	4.40	12.7	4.47	12.7	4.55	12.7	4.69
	-12.6	-13.0	13.5	4.25	13.4	4.38	13.4	4.52	13.4	4.59	13.4	4.66	13.3	4.80
	-10.5	-11.0	14.1	4.37	14.1	4.50	14.1	4.63	14.1	4.70	14.0	4.76	14.0	4.90
	-9.5	-10.0	14.5	4.43	14.4	4.56	14.4	4.68	14.4	4.75	14.4	4.81	14.3	4.94
	-8.5	-9.1	14.8	4.48	14.7	4.60	14.7	4.73	14.7	4.79	14.7	4.85	14.6	4.98
	-7.0	-7.6	15.3	4.55	15.2	4.68	15.2	4.80	15.2	4.86	15.2	4.92	15.1	5.04
	-5.0	-5.6	15.9	4.65	15.9	4.77	15.9	4.88	15.9	4.94	15.8	5.00	15.7	5.05
	-3.0	-3.7	16.6	4.74	16.5	4.85	16.5	4.96	16.5	5.02	16.5	5.07	15.7	4.81
	0.0	-0.7	17.6	4.86	17.5	4.96	17.5	5.07	17.4	5.09	16.8	4.88	15.7	4.48
	3.0	2.2	18.5	4.96	18.5	5.06	18.0	4.95	17.4	4.76	16.8	4.57	15.7	4.20
	5.0	4.1	19.2	5.03	19.1	5.12	18.0	4.75	17.4	4.57	16.8	4.39	15.7	4.04
	7.0	6.0	19.8	5.09	19.2	4.93	18.0	4.57	17.4	4.40	16.8	4.22	15.7	3.89
9.0	7.9	20.3	5.09	19.2	4.74	18.0	4.40	17.4	4.23	16.8	4.07	15.7	3.75	
11.0	9.8	20.3	4.90	19.2	4.57	18.0	4.24	17.4	4.08	16.8	3.93	15.7	3.62	
13.0	11.8	20.3	4.72	19.2	4.40	18.0	4.09	17.4	3.94	16.8	3.79	15.7	3.49	
15.0	13.7	20.3	4.56	19.2	4.25	18.0	3.96	17.4	3.81	16.8	3.66	15.7	3.38	
90% 16.20 kW (135.0)	-19.8	-20.0	11.1	3.99	11.0	4.15	11.0	4.30	11.0	4.37	11.0	4.45	10.96	4.60
	-18.8	-19.0	11.4	4.08	11.4	4.22	11.4	4.37	11.3	4.45	11.3	4.52	11.30	4.67
	-16.7	-17.0	12.1	4.23	12.1	4.37	12.0	4.51	12.0	4.58	12.0	4.65	11.97	4.79
	-14.7	-15.0	12.7	4.37	12.7	4.50	12.7	4.63	12.7	4.70	12.7	4.76	12.63	4.89
	-12.6	-13.0	13.4	4.49	13.4	4.61	13.4	4.74	13.3	4.80	13.3	4.86	13.30	4.99
	-10.5	-11.0	14.1	4.60	14.1	4.72	14.0	4.84	14.0	4.90	14.0	4.96	13.97	5.08
	-9.5	-10.0	14.4	4.65	14.4	4.77	14.4	4.88	14.3	4.94	14.3	5.00	14.12	5.01
	-8.5	-9.1	14.7	4.70	14.7	4.81	14.7	4.92	14.6	4.98	14.6	5.04	14.12	4.89
	-7.0	-7.6	15.2	4.77	15.2	4.88	15.2	4.99	15.1	5.04	15.1	5.10	14.12	4.69
	-5.0	-5.6	15.9	4.86	15.9	4.96	15.8	5.07	15.7	5.05	15.2	4.85	14.12	4.45
	-3.0	-3.7	16.5	4.93	16.5	5.03	16.2	5.01	15.7	4.81	15.2	4.62	14.12	4.25
	0.0	-0.7	17.5	5.04	17.2	5.02	16.2	4.66	15.7	4.48	15.2	4.30	14.12	3.96
	3.0	2.2	18.3	5.05	17.2	4.70	16.2	4.37	15.7	4.20	15.2	4.04	14.12	3.72
	5.0	4.1	18.3	4.84	17.2	4.51	16.2	4.19	15.7	4.04	15.2	3.88	14.12	3.58
	7.0	6.0	18.3	4.66	17.2	4.34	16.2	4.04	15.7	3.89	15.2	3.74	14.12	3.45
9.0	7.9	18.3	4.48	17.2	4.18	16.2	3.89	15.7	3.75	15.2	3.61	14.12	3.33	
11.0	9.8	18.3	4.32	17.2	4.03	16.2	3.75	15.7	3.62	15.2	3.48	14.12	3.22	
13.0	11.8	18.3	4.17	17.2	3.89	16.2	3.62	15.7	3.49	15.2	3.36	14.12	3.11	
15.0	13.7	18.3	4.03	17.2	3.76	16.2	3.51	15.7	3.38	15.2	3.26	14.12	3.01	
80% 14.40 kW (120.0)	-19.8	-20.0	11.0	4.29	11.0	4.43	11.0	4.56	10.96	4.63	10.95	4.70	10.92	4.83
	-18.8	-19.0	11.4	4.36	11.3	4.50	11.3	4.63	11.29	4.69	11.28	4.76	11.25	4.89
	-16.7	-17.0	12.0	4.50	12.0	4.62	12.0	4.75	11.96	4.81	11.95	4.87	11.92	5.00
	-14.7	-15.0	12.7	4.62	12.7	4.74	12.6	4.86	12.63	4.92	12.62	4.97	12.55	5.07
	-12.6	-13.0	13.4	4.73	13.3	4.84	13.3	4.96	13.30	5.01	13.28	5.07	12.55	4.75
	-10.5	-11.0	14.0	4.83	14.0	4.94	14.0	5.04	13.94	5.08	13.47	4.88	12.55	4.48
	-9.5	-10.0	14.4	4.88	14.3	4.98	14.3	5.09	13.94	4.94	13.47	4.74	12.55	4.35
	-8.5	-9.1	14.7	4.92	14.6	5.02	14.4	5.01	13.94	4.81	13.47	4.62	12.55	4.24
	-7.0	-7.6	15.2	4.98	15.1	5.08	14.4	4.80	13.94	4.62	13.47	4.43	12.55	4.08
	-5.0	-5.6	15.8	5.06	15.3	4.91	14.4	4.56	13.94	4.38	13.47	4.21	12.55	3.88
	-3.0	-3.7	16.3	5.03	15.3	4.68	14.4	4.35	13.94	4.18	13.47	4.02	12.55	3.70
	0.0	-0.7	16.3	4.68	15.3	4.36	14.4	4.05	13.94	3.90	13.47	3.75	12.55	3.46
	3.0	2.2	16.3	4.38	15.3	4.09	14.4	3.80	13.94	3.67	13.47	3.53	12.55	3.26
	5.0	4.1	16.3	4.21	15.3	3.93	14.4	3.66	13.94	3.53	13.47	3.40	12.55	3.14
	7.0	6.0	16.3	4.05	15.3	3.78	14.4	3.53	13.94	3.40	13.47	3.27	12.55	3.03
9.0	7.9	16.3	3.90	15.3	3.65	14.4	3.40	13.94	3.28	13.47	3.16	12.55	2.92	
11.0	9.8	16.3	3.77	15.3	3.53	14.4	3.29	13.94	3.17	13.47	3.06	12.55	2.83	
13.0	11.8	16.3	3.64	15.3	3.40	14.4	3.18	13.94	3.06	13.47	2.95	12.55	2.74	
15.0	13.7	16.3	3.52	15.3	3.30	14.4	3.08	13.94	2.97	13.47	2.86	12.55	2.65	