

3. Part Load of Outdoor Unit

3-1. U-8ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	14.9	1.31	17.9	1.57	20.9	1.83	22.4	1.96	25.4	2.22	28.4	2.48	31.4	2.74
		-5.0	14.9	1.31	17.9	1.57	20.9	1.83	22.4	1.96	25.4	2.22	28.4	2.49	31.4	2.75
		0.0	14.9	1.31	17.9	1.58	20.9	1.84	22.4	1.97	25.4	2.23	28.4	2.49	31.4	2.75
		5.0	14.9	1.32	17.9	1.58	20.9	1.84	22.4	1.97	25.4	2.24	28.4	2.50	31.4	2.77
		10.0	14.9	1.33	17.9	1.59	20.9	1.86	22.4	1.99	25.4	2.27	28.4	2.56	31.4	2.83
		15.0	14.9	1.35	17.9	1.64	20.9	1.94	22.4	2.09	25.4	2.40	28.4	2.72	31.4	3.00
		20.0	14.9	1.53	17.9	1.89	20.9	2.28	22.4	2.48	25.4	2.93	28.4	3.42	31.4	3.96
		25.0	14.9	1.98	17.9	2.43	20.9	2.92	22.4	3.19	25.4	3.75	28.4	4.36	31.4	5.01
		30.0	14.9	2.46	17.9	3.02	20.9	3.63	22.4	3.95	25.4	4.63	28.4	5.36	31.4	6.14
		35.0	14.9	2.98	17.9	3.66	20.9	4.39	22.4	4.77	25.4	5.58	28.4	6.44	30.0	6.68
		40.0	14.9	3.55	17.9	4.35	20.9	5.21	22.4	5.66	25.4	6.61	26.6	6.68	27.7	6.68
		43.0	14.9	3.91	17.9	4.79	20.9	5.73	22.4	6.23	24.3	6.68	25.4	6.68	25.9	6.33
		46.0	14.8	4.24	17.7	5.20	18.8	5.29	19.0	5.15	19.6	4.92	20.2	4.73	21.0	4.59
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	13.4	1.05	16.1	1.32	18.8	1.58	20.2	1.71	22.8	1.96	25.5	2.21	28.2	2.45
		-5.0	13.4	1.06	16.1	1.32	18.8	1.59	20.2	1.72	22.8	1.97	25.5	2.22	28.2	2.46
		0.0	13.4	1.06	16.1	1.33	18.8	1.59	20.2	1.72	22.8	1.97	25.5	2.22	28.2	2.46
		5.0	13.4	1.06	16.1	1.33	18.8	1.60	20.2	1.73	22.8	1.98	25.5	2.23	28.2	2.47
		10.0	13.4	1.07	16.1	1.34	18.8	1.60	20.2	1.73	22.8	1.99	25.5	2.25	28.2	2.50
		15.0	13.4	1.08	16.1	1.36	18.8	1.64	20.2	1.78	22.8	2.05	25.5	2.32	28.2	2.59
		20.0	13.4	1.18	16.1	1.51	18.8	1.83	20.2	1.98	22.8	2.29	25.5	2.62	28.2	2.97
		25.0	13.4	1.61	16.1	1.98	18.8	2.36	20.2	2.55	22.8	2.95	25.5	3.37	28.2	3.79
		30.0	13.4	2.06	16.1	2.51	18.8	2.96	20.2	3.19	22.8	3.66	25.5	4.13	28.2	4.62
		35.0	13.4	2.62	16.1	3.16	18.8	3.71	20.2	3.98	22.8	4.54	25.5	5.12	28.2	5.71
		40.0	13.4	3.12	16.1	3.74	18.8	4.36	20.2	4.68	22.8	5.33	25.5	6.00	27.7	6.68
		43.0	13.4	3.43	16.1	4.10	18.8	4.77	20.2	5.12	22.8	5.83	25.4	6.68	25.9	6.33
		46.0	13.4	3.67	16.1	4.44	18.8	5.24	19.0	5.15	19.6	4.92	20.2	4.73	21.0	4.59
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	11.9	0.90	14.3	1.14	16.7	1.38	17.9	1.50	20.3	1.73	22.7	1.95	25.1	2.18
		-5.0	11.9	0.90	14.3	1.15	16.7	1.39	17.9	1.50	20.3	1.73	22.7	1.96	25.1	2.18
		0.0	11.9	0.91	14.3	1.15	16.7	1.39	17.9	1.51	20.3	1.74	22.7	1.96	25.1	2.18
		5.0	11.9	0.91	14.3	1.16	16.7	1.39	17.9	1.51	20.3	1.74	22.7	1.97	25.1	2.19
		10.0	11.9	0.92	14.3	1.16	16.7	1.40	17.9	1.52	20.3	1.75	22.7	1.97	25.1	2.20
		15.0	11.9	0.93	14.3	1.17	16.7	1.41	17.9	1.53	20.3	1.77	22.7	2.00	25.1	2.24
		20.0	11.9	0.96	14.3	1.23	16.7	1.49	17.9	1.62	20.3	1.88	22.7	2.13	25.1	2.37
		25.0	11.9	1.32	14.3	1.60	16.7	1.88	17.9	2.02	20.3	2.31	22.7	2.61	25.1	2.90
		30.0	11.9	1.71	14.3	2.06	16.7	2.40	17.9	2.58	20.3	2.93	22.7	3.28	25.1	3.63
		35.0	11.9	2.21	14.3	2.63	16.7	3.06	17.9	3.27	20.3	3.69	22.7	4.12	25.1	4.54
		40.0	11.9	2.65	14.3	3.14	16.7	3.63	17.9	3.88	20.3	4.37	22.7	4.86	25.1	5.35
		43.0	11.9	2.92	14.3	3.46	16.7	3.99	17.9	4.26	20.3	4.79	22.7	5.33	25.1	5.88
		46.0	11.9	3.11	14.3	3.71	16.7	4.32	17.9	4.64	19.6	4.92	20.2	4.73	21.0	4.59
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	10.5	0.75	12.5	0.96	14.6	1.18	15.7	1.28	17.8	1.49	19.9	1.69	22.0	1.89
		-5.0	10.5	0.75	12.5	0.97	14.6	1.18	15.7	1.28	17.8	1.49	19.9	1.69	22.0	1.89
		0.0	10.5	0.75	12.5	0.97	14.6	1.18	15.7	1.29	17.8	1.49	19.9	1.70	22.0	1.89
		5.0	10.5	0.76	12.5	0.97	14.6	1.19	15.7	1.29	17.8	1.50	19.9	1.70	22.0	1.90
		10.0	10.5	0.76	12.5	0.98	14.6	1.19	15.7	1.30	17.8	1.50	19.9	1.71	22.0	1.91
		15.0	10.5	0.77	12.5	0.99	14.6	1.20	15.7	1.31	17.8	1.51	19.9	1.71	22.0	1.92
		20.0	10.5	0.78	12.5	1.01	14.6	1.23	15.7	1.33	17.8	1.55	19.9	1.76	22.0	1.97
		25.0	10.5	0.97	12.5	1.21	14.6	1.44	15.7	1.55	17.8	1.76	19.9	1.97	22.0	2.17
		30.0	10.5	1.39	12.5	1.65	14.6	1.91	15.7	2.03	17.8	2.28	19.9	2.53	22.0	2.77
		35.0	10.5	1.82	12.5	2.15	14.6	2.47	15.7	2.63	17.8	2.94	19.9	3.24	22.0	3.54
		40.0	10.5	2.20	12.5	2.59	14.6	2.97	15.7	3.15	17.8	3.52	19.9	3.87	22.0	4.22
		43.0	10.5	2.44	12.5	2.87	14.6	3.28	15.7	3.48	17.8	3.87	19.9	4.26	22.0	4.64
		46.0	10.5	2.60	12.5	3.06	14.6	3.52	15.7	3.74	17.8	4.20	19.9	4.50	21.0	4.59
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-8ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	9.0	0.59	10.8	0.78	12.5	0.97	13.4	1.06	15.2	1.24	17.0	1.42	18.8	1.59
		-5.0	9.0	0.59	10.8	0.78	12.5	0.97	13.4	1.06	15.2	1.24	17.0	1.42	18.8	1.59
		0.0	9.0	0.60	10.8	0.79	12.5	0.97	13.4	1.06	15.2	1.24	17.0	1.42	18.8	1.60
		5.0	9.0	0.60	10.8	0.79	12.5	0.97	13.4	1.07	15.2	1.25	17.0	1.43	18.8	1.60
		10.0	9.0	0.60	10.8	0.79	12.5	0.98	13.4	1.07	15.2	1.25	17.0	1.43	18.8	1.61
		15.0	9.0	0.61	10.8	0.80	12.5	0.99	13.4	1.08	15.2	1.26	17.0	1.44	18.8	1.61
		20.0	9.0	0.62	10.8	0.81	12.5	1.00	13.4	1.09	15.2	1.27	17.0	1.45	18.8	1.62
		25.0	9.0	0.68	10.8	0.87	12.5	1.06	13.4	1.16	15.2	1.34	17.0	1.52	18.8	1.70
		30.0	9.0	1.10	10.8	1.29	12.5	1.47	13.4	1.55	15.2	1.72	17.0	1.87	18.8	2.03
		35.0	9.0	1.46	10.8	1.71	12.5	1.94	13.4	2.05	15.2	2.26	17.0	2.47	18.8	2.66
		40.0	9.0	1.79	10.8	2.09	12.5	2.37	13.4	2.50	15.2	2.76	17.0	3.00	18.8	3.24
		43.0	9.0	2.00	10.8	2.32	12.5	2.63	13.4	2.78	15.2	3.06	17.0	3.33	18.8	3.59
		46.0	9.0	2.15	10.8	2.49	12.5	2.81	13.4	2.97	15.2	3.29	17.0	3.59	18.8	3.89
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	7.5	0.43	9.0	0.59	10.5	0.75	11.2	0.83	12.7	0.98	14.2	1.14	15.7	1.28
		-5.0	7.5	0.43	9.0	0.59	10.5	0.75	11.2	0.83	12.7	0.99	14.2	1.14	15.7	1.29
		0.0	7.5	0.44	9.0	0.60	10.5	0.75	11.2	0.83	12.7	0.99	14.2	1.14	15.7	1.29
		5.0	7.5	0.44	9.0	0.60	10.5	0.76	11.2	0.84	12.7	0.99	14.2	1.14	15.7	1.29
		10.0	7.5	0.44	9.0	0.60	10.5	0.76	11.2	0.84	12.7	0.99	14.2	1.15	15.7	1.29
		15.0	7.5	0.45	9.0	0.61	10.5	0.77	11.2	0.84	12.7	1.00	14.2	1.15	15.7	1.30
		20.0	7.5	0.46	9.0	0.62	10.5	0.78	11.2	0.85	12.7	1.01	14.2	1.16	15.7	1.31
		25.0	7.5	0.47	9.0	0.63	10.5	0.79	11.2	0.87	12.7	1.02	14.2	1.17	15.7	1.32
		30.0	7.5	0.85	9.0	0.96	10.5	1.02	11.2	1.07	12.7	1.18	14.2	1.30	15.7	1.43
		35.0	7.5	1.14	9.0	1.31	10.5	1.47	11.2	1.54	12.7	1.67	14.2	1.80	15.7	1.91
		40.0	7.5	1.41	9.0	1.63	10.5	1.82	11.2	1.91	12.7	2.08	14.2	2.24	15.7	2.39
		43.0	7.5	1.58	9.0	1.82	10.5	2.04	11.2	2.14	12.7	2.34	14.2	2.51	15.7	2.68
		46.0	7.5	1.75	9.0	1.98	10.5	2.21	11.2	2.31	12.7	2.52	14.2	2.71	15.7	2.89
		52.0	6.4	1.85	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	6.0	0.27	7.2	0.40	8.4	0.53	9.0	0.59	10.2	0.72	11.3	0.85	12.5	0.97
		-5.0	6.0	0.27	7.2	0.40	8.4	0.53	9.0	0.60	10.2	0.72	11.3	0.85	12.5	0.97
		0.0	6.0	0.27	7.2	0.40	8.4	0.53	9.0	0.60	10.2	0.72	11.3	0.85	12.5	0.97
		5.0	6.0	0.28	7.2	0.41	8.4	0.54	9.0	0.60	10.2	0.73	11.3	0.85	12.5	0.98
		10.0	6.0	0.28	7.2	0.41	8.4	0.54	9.0	0.60	10.2	0.73	11.3	0.85	12.5	0.98
		15.0	6.0	0.28	7.2	0.41	8.4	0.54	9.0	0.61	10.2	0.73	11.3	0.86	12.5	0.98
		20.0	6.0	0.29	7.2	0.42	8.4	0.55	9.0	0.61	10.2	0.74	11.3	0.86	12.5	0.99
		25.0	6.0	0.30	7.2	0.43	8.4	0.56	9.0	0.62	10.2	0.75	11.3	0.87	12.5	1.00
		30.0	6.0	0.42	7.2	0.50	8.4	0.60	9.0	0.66	10.2	0.77	11.3	0.90	12.5	1.04
		35.0	6.0	0.85	7.2	0.96	8.4	1.06	9.0	1.10	10.2	1.18	11.3	1.27	12.5	1.39
		40.0	6.0	1.07	7.2	1.21	8.4	1.34	9.0	1.39	10.2	1.50	11.3	1.58	12.5	1.66
		43.0	6.0	1.20	7.2	1.37	8.4	1.51	9.0	1.58	10.2	1.70	11.3	1.80	12.5	1.89
		46.0	6.0	1.39	7.2	1.54	8.4	1.69	9.0	1.75	10.2	1.88	11.3	1.98	12.5	2.08
		52.0	6.0	1.64	7.0	1.87	7.7	1.90	8.1	1.92	8.9	1.97	9.8	2.02	10.8	2.08

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	4.5	0.11	5.4	0.21	6.3	0.31	6.7	0.36	7.6	0.45	8.5	0.55	9.4	0.65
		-5.0	4.5	0.11	5.4	0.21	6.3	0.31	6.7	0.36	7.6	0.46	8.5	0.55	9.4	0.65
		0.0	4.5	0.11	5.4	0.21	6.3	0.31	6.7	0.36	7.6	0.46	8.5	0.56	9.4	0.65
		5.0	4.5	0.11	5.4	0.21	6.3	0.31	6.7	0.36	7.6	0.46	8.5	0.56	9.4	0.66
		10.0	4.5	0.11	5.4	0.21	6.3	0.31	6.7	0.36	7.6	0.46	8.5	0.56	9.4	0.66
		15.0	4.5	0.11	5.4	0.21	6.3	0.32	6.7	0.37	7.6	0.47	8.5	0.57	9.4	0.66
		20.0	4.5	0.12	5.4	0.22	6.3	0.32	6.7	0.37	7.6	0.47	8.5	0.57	9.4	0.67
		25.0	4.5	0.13	5.4	0.23	6.3	0.33	6.7	0.38	7.6	0.49	8.5	0.58	9.4	0.68
		30.0	4.5	0.15	5.4	0.24	6.3	0.34	6.7	0.40	7.6	0.52	8.5	0.64	9.4	0.75
		35.0	4.5	0.60	5.4	0.66	6.3	0.73	6.7	0.78	7.6	0.88	8.5	0.97	9.4	1.07
		40.0	4.5	0.76	5.4	0.84	6.3	0.92	6.7	0.95	7.6	1.00	8.5	1.04	9.4	1.07
		43.0	4.5	0.86	5.4	0.96	6.3	1.05	6.7	1.08	7.6	1.14	8.5	1.19	9.4	1.23
		46.0	4.5	1.07	5.4	1.17	6.3	1.25	6.7	1.28	7.6	1.35	8.5	1.40	9.4	1.44
		52.0	4.5	1.25	5.4	1.38	6.3	1.49	6.7	1.54	7.6	1.58	8.5	1.61	9.4	1.62

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-2. U-8ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	17.5	5.46	17.1	5.37	16.2	5.17	15.7	5.07	14.3	4.74	13.3	4.49	10.7	3.80
		-19.8	-20.0	18.4	5.57	17.9	5.48	17.0	5.28	16.5	5.17	15.1	4.83	14.0	4.57	11.3	3.86
		-14.7	-15.0	19.6	5.76	19.2	5.64	18.2	5.43	17.7	5.32	16.1	4.96	15.0	4.70	12.1	3.95
		-9.6	-10.0	21.3	5.98	20.8	5.89	19.7	5.68	19.2	5.56	17.5	5.16	16.3	4.86	13.2	4.07
		-4.4	-5.0	23.5	6.15	22.9	6.06	21.7	5.85	21.1	5.73	19.3	5.35	18.0	5.06	14.5	4.23
		-1.8	-2.5	24.8	6.23	24.2	6.13	22.9	5.91	22.3	5.79	20.3	5.39	19.0	5.10	15.3	4.26
		0.8	0.0	26.2	6.30	25.6	6.19	24.3	5.96	23.6	5.84	21.5	5.43	20.1	5.13	15.7	4.12
		2.8	2.0	27.7	6.36	27.1	6.25	25.7	6.02	25.0	5.89	22.2	5.26	20.4	4.84	15.7	3.81
		6.0	5.0	28.7	5.84	27.8	5.66	25.9	5.30	25.0	5.12	22.2	4.59	20.4	4.24	15.7	3.37
		7.0	6.0	28.7	5.54	27.8	5.37	25.9	5.04	25.0	4.87	22.2	4.37	20.4	4.05	15.7	3.23
		8.6	7.5	28.7	5.11	27.8	4.96	25.9	4.66	25.0	4.51	22.2	4.06	20.4	3.77	15.7	3.03
		11.2	10.0	28.7	4.42	27.8	4.30	25.9	4.06	25.0	3.94	22.2	3.58	20.4	3.33	15.7	2.71
		16.4	15.0	28.7	3.24	27.8	3.17	25.9	3.02	25.0	2.95	22.2	2.71	20.4	2.55	15.7	2.11
		24.0	18.0	28.7	3.03	27.8	2.95	25.9	2.78	25.0	2.69	22.2	2.43	20.4	2.26	15.7	1.84
100%	90%	-24.9	-25.0	17.5	5.46	17.1	5.37	16.2	5.17	15.7	5.07	14.3	4.74	13.3	4.49	10.7	3.80
		-19.8	-20.0	18.4	5.57	17.9	5.48	17.0	5.28	16.5	5.17	15.1	4.83	14.0	4.57	11.3	3.86
		-14.7	-15.0	19.6	5.76	19.2	5.64	18.2	5.43	17.7	5.32	16.1	4.96	15.0	4.70	12.1	3.95
		-9.6	-10.0	21.3	5.98	20.8	5.89	19.7	5.68	19.2	5.56	17.5	5.16	16.3	4.86	13.2	4.07
		-4.4	-5.0	23.5	6.15	22.9	6.06	21.7	5.85	21.1	5.73	19.3	5.35	18.0	5.06	14.2	3.96
		-1.8	-2.5	24.8	6.23	24.2	6.13	22.9	5.91	22.3	5.79	20.0	4.97	18.3	4.61	14.2	3.71
		0.8	0.0	25.8	5.65	25.0	5.50	23.3	5.20	22.5	5.05	20.0	4.59	18.3	4.27	14.2	3.46
		2.8	2.0	25.8	5.14	25.0	5.01	23.3	4.74	22.5	4.61	20.0	4.20	18.3	3.93	14.2	3.23
		6.0	5.0	25.8	4.44	25.0	4.35	23.3	4.16	22.5	4.06	20.0	3.75	18.3	3.51	14.2	2.87
		7.0	6.0	25.8	4.33	25.0	4.23	23.3	4.02	22.5	3.91	20.0	3.58	18.3	3.35	14.2	2.75
		8.6	7.5	25.8	3.97	25.0	3.88	23.3	3.70	22.5	3.60	20.0	3.31	18.3	3.11	14.2	2.58
		11.2	10.0	25.8	3.40	25.0	3.34	23.3	3.20	22.5	3.13	20.0	2.90	18.3	2.74	14.2	2.31
		16.4	15.0	25.8	2.77	25.0	2.69	23.3	2.54	22.5	2.46	20.0	2.23	18.3	2.08	14.2	1.78
		24.0	18.0	25.8	2.77	25.0	2.69	23.3	2.54	22.5	2.46	20.0	2.23	18.3	2.08	14.2	1.69
100%	80%	-24.9	-25.0	17.5	5.46	17.1	5.37	16.2	5.17	15.7	5.07	14.3	4.74	13.3	4.49	10.7	3.80
		-19.8	-20.0	18.4	5.57	17.9	5.48	17.0	5.28	16.5	5.17	15.1	4.83	14.0	4.57	11.3	3.86
		-14.7	-15.0	19.6	5.76	19.2	5.64	18.2	5.43	17.7	5.32	16.1	4.96	15.0	4.70	12.1	3.95
		-9.6	-10.0	21.3	5.98	20.8	5.89	19.7	5.68	19.2	5.56	17.5	5.16	16.3	4.86	12.6	3.70
		-4.4	-5.0	23.0	5.11	22.2	5.00	20.7	4.77	20.0	4.65	17.8	4.28	16.3	4.02	12.6	3.32
		-1.8	-2.5	23.0	4.70	22.2	4.61	20.7	4.41	20.0	4.31	17.8	3.98	16.3	3.75	12.6	3.13
		0.8	0.0	23.0	4.27	22.2	4.20	20.7	4.05	20.0	3.96	17.8	3.69	16.3	3.50	12.6	2.93
		2.8	2.0	23.0	3.93	22.2	3.87	20.7	3.74	20.0	3.67	17.8	3.43	16.3	3.25	12.6	2.74
		6.0	5.0	23.0	3.46	22.2	3.41	20.7	3.30	20.0	3.24	17.8	3.05	16.3	2.89	12.6	2.44
		7.0	6.0	23.0	3.35	22.2	3.29	20.7	3.17	20.0	3.11	17.8	2.90	16.3	2.75	12.6	2.33
		8.6	7.5	23.0	3.05	22.2	3.00	20.7	2.90	20.0	2.85	17.8	2.68	16.3	2.55	12.6	2.19
		11.2	10.0	23.0	2.59	22.2	2.56	20.7	2.49	20.0	2.46	17.8	2.34	16.3	2.24	12.6	1.95
		16.4	15.0	23.0	2.50	22.2	2.43	20.7	2.30	20.0	2.23	17.8	2.02	16.3	1.89	12.6	1.55
		24.0	18.0	23.0	2.50	22.2	2.43	20.7	2.30	20.0	2.23	17.8	2.02	16.3	1.89	12.6	1.55
100%	70%	-24.9	-25.0	17.5	5.46	17.1	5.37	16.2	5.17	15.7	5.07	14.3	4.74	13.3	4.49	10.7	3.80
		-19.8	-20.0	18.4	5.57	17.9	5.48	17.0	5.28	16.5	5.17	15.1	4.83	14.0	4.57	11.0	3.86
		-14.7	-15.0	19.6	5.76	19.2	5.64	18.1	5.43	17.5	4.61	15.6	4.27	14.3	4.03	11.0	3.35
		-9.6	-10.0	20.1	4.48	19.4	4.41	18.1	4.25	17.5	4.16	15.6	3.88	14.3	3.67	11.0	3.10
		-4.4	-5.0	20.1	3.91	19.4	3.86	18.1	3.75	17.5	3.69	15.6	3.47	14.3	3.30	11.0	2.81
		-1.8	-2.5	20.1	3.64	19.4	3.60	18.1	3.50	17.5	3.44	15.6	3.25	14.3	3.10	11.0	2.65
		0.8	0.0	20.1	3.36	19.4	3.32	18.1	3.24	17.5	3.19	15.6	3.02	14.3	2.88	11.0	2.48
		2.8	2.0	20.1	3.07	19.4	3.04	18.1	2.98	17.5	2.94	15.6	2.79	14.3	2.67	11.0	2.31
		6.0	5.0	20.1	2.67	19.4	2.65	18.1	2.60	17.5	2.57	15.6	2.46	14.3	2.36	11.0	2.05
		7.0	6.0	20.1	2.55	19.4	2.53	18.1	2.48	17.5	2.45	15.6	2.34	14.3	2.25	11.0	1.97
		8.6	7.5	20.1	2.32	19.4	2.30	18.1	2.26	17.5	2.24	15.6	2.15	14.3	2.08	11.0	1.84
		11.2	10.0	20.1	2.24	19.4	2.18	18.1	2.06	17.5	2.00	15.6	1.87	14.3	1.82	11.0	1.64
		16.4	15.0	20.1	2.24	19.4	2.18	18.1	2.06	17.5	2.00	15.6	1.82	14.3	1.70	11.0	1.40
		24.0	18.0	20.1	2.24	19.4	2.18	18.1	2.06	17.5	2.00	15.6	1.82	14.3	1.70	11.0	1.40

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-8ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	17.2	4.44	16.7	4.37	15.6	4.23	15.0	4.15	13.3	3.89	12.2	3.68	9.4	3.05
		-19.8	-20.0	17.2	4.17	16.7	4.12	15.6	3.99	15.0	3.92	13.3	3.69	12.2	3.51	9.4	2.96
		-14.7	-15.0	17.2	3.86	16.7	3.81	15.6	3.71	15.0	3.65	13.3	3.45	12.2	3.30	9.4	2.82
		-9.6	-10.0	17.2	3.51	16.7	3.47	15.6	3.39	15.0	3.34	13.3	3.17	12.2	3.03	9.4	2.61
		-4.4	-5.0	17.2	3.09	16.7	3.07	15.6	3.00	15.0	2.97	13.3	2.83	12.2	2.72	9.4	2.36
		-1.8	-2.5	17.2	2.86	16.7	2.84	15.6	2.79	15.0	2.76	13.3	2.64	12.2	2.54	9.4	2.22
		0.8	0.0	17.2	2.62	16.7	2.61	15.6	2.57	15.0	2.55	13.3	2.45	12.2	2.36	9.4	2.08
		2.8	2.0	17.2	2.39	16.7	2.38	15.6	2.36	15.0	2.34	13.3	2.26	12.2	2.19	9.4	1.94
		6.0	5.0	17.2	2.05	16.7	2.05	15.6	2.04	15.0	2.03	13.3	1.97	12.2	1.91	9.4	1.71
		7.0	6.0	17.2	1.97	16.7	1.93	15.6	1.92	15.0	1.91	13.3	1.87	12.2	1.82	9.4	1.65
		8.6	7.5	17.2	1.97	16.7	1.92	15.6	1.82	15.0	1.77	13.3	1.72	12.2	1.69	9.4	1.54
		11.2	10.0	17.2	1.97	16.7	1.92	15.6	1.82	15.0	1.77	13.3	1.62	12.2	1.51	9.4	1.38
		16.4	15.0	17.2	1.97	16.7	1.92	15.6	1.82	15.0	1.77	13.3	1.62	12.2	1.51	9.4	1.26
		24.0	18.0	17.2	1.97	16.7	1.92	15.6	1.82	15.0	1.77	13.3	1.62	12.2	1.51	9.4	1.26
100%	50%	-24.9	-25.0	14.4	3.47	13.9	3.44	13.0	3.36	12.5	3.31	11.1	3.14	10.2	3.01	7.9	2.55
		-19.8	-20.0	14.4	3.29	13.9	3.26	13.0	3.19	12.5	3.15	11.1	2.99	10.2	2.87	7.9	2.48
		-14.7	-15.0	14.4	3.05	13.9	3.03	13.0	2.97	12.5	2.93	11.1	2.80	10.2	2.69	7.9	2.35
		-9.6	-10.0	14.4	2.76	13.9	2.75	13.0	2.70	12.5	2.67	11.1	2.57	10.2	2.47	7.9	2.17
		-4.4	-5.0	14.4	2.42	13.9	2.41	13.0	2.39	12.5	2.37	11.1	2.29	10.2	2.21	7.9	1.96
		-1.8	-2.5	14.4	2.24	13.9	2.23	13.0	2.21	12.5	2.20	11.1	2.13	10.2	2.07	7.9	1.85
		0.8	0.0	14.4	2.04	13.9	2.04	13.0	2.03	12.5	2.03	11.1	1.98	10.2	1.92	7.9	1.73
		2.8	2.0	14.4	1.85	13.9	1.86	13.0	1.86	12.5	1.85	11.1	1.82	10.2	1.78	7.9	1.61
		6.0	5.0	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.58	11.1	1.56	10.2	1.54	7.9	1.41
		7.0	6.0	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.54	11.1	1.48	10.2	1.47	7.9	1.37
		8.6	7.5	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.54	11.1	1.41	10.2	1.36	7.9	1.28
		11.2	10.0	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.54	11.1	1.41	10.2	1.33	7.9	1.15
		16.4	15.0	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.54	11.1	1.41	10.2	1.33	7.9	1.11
		24.0	18.0	14.4	1.71	13.9	1.67	13.0	1.58	12.5	1.54	11.1	1.41	10.2	1.33	7.9	1.11
100%	40%	-24.9	-25.0	11.5	2.70	11.1	2.69	10.4	2.64	10.0	2.61	8.9	2.50	8.1	2.41	6.3	2.09
		-19.8	-20.0	11.5	2.56	11.1	2.55	10.4	2.51	10.0	2.48	8.9	2.38	8.1	2.30	6.3	2.02
		-14.7	-15.0	11.5	2.37	11.1	2.36	10.4	2.33	10.0	2.31	8.9	2.23	8.1	2.15	6.3	1.91
		-9.6	-10.0	11.5	2.14	11.1	2.14	10.4	2.12	10.0	2.10	8.9	2.04	8.1	1.98	6.3	1.77
		-4.4	-5.0	11.5	1.88	11.1	1.88	10.4	1.87	10.0	1.86	8.9	1.82	8.1	1.77	6.3	1.60
		-1.8	-2.5	11.5	1.73	11.1	1.73	10.4	1.73	10.0	1.73	8.9	1.70	8.1	1.66	6.3	1.51
		0.8	0.0	11.5	1.57	11.1	1.58	10.4	1.58	10.0	1.58	8.9	1.56	8.1	1.53	6.3	1.41
		2.8	2.0	11.5	1.44	11.1	1.41	10.4	1.43	10.0	1.43	8.9	1.42	8.1	1.40	6.3	1.31
		6.0	5.0	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.23	8.1	1.23	6.3	1.16
		7.0	6.0	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.21	8.1	1.17	6.3	1.12
		8.6	7.5	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.21	8.1	1.14	6.3	1.06
		11.2	10.0	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.21	8.1	1.14	6.3	0.97
		16.4	15.0	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.21	8.1	1.14	6.3	0.97
		24.0	18.0	11.5	1.44	11.1	1.41	10.4	1.34	10.0	1.31	8.9	1.21	8.1	1.14	6.3	0.97
100%	30%	-24.9	-25.0	8.6	2.03	8.3	2.02	7.8	2.00	7.5	1.98	6.7	1.91	6.1	1.85	4.7	1.64
		-19.8	-20.0	8.6	1.93	8.3	1.92	7.8	1.90	7.5	1.89	6.7	1.83	6.1	1.77	4.7	1.58
		-14.7	-15.0	8.6	1.79	8.3	1.78	7.8	1.77	7.5	1.76	6.7	1.71	6.1	1.66	4.7	1.50
		-9.6	-10.0	8.6	1.62	8.3	1.62	7.8	1.61	7.5	1.60	6.7	1.57	6.1	1.53	4.7	1.39
		-4.4	-5.0	8.6	1.40	8.3	1.41	7.8	1.41	7.5	1.41	6.7	1.39	6.1	1.37	4.7	1.26
		-1.8	-2.5	8.6	1.28	8.3	1.29	7.8	1.30	7.5	1.30	6.7	1.29	6.1	1.28	4.7	1.19
		0.8	0.0	8.6	1.18	8.3	1.17	7.8	1.19	7.5	1.19	6.7	1.19	6.1	1.18	4.7	1.11
		2.8	2.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.09	6.1	1.09	4.7	1.04
		6.0	5.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.96	4.7	0.94
		7.0	6.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.95	4.7	0.91
		8.6	7.5	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.95	4.7	0.86
		11.2	10.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.95	4.7	0.82
		16.4	15.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.95	4.7	0.82
		24.0	18.0	8.6	1.18	8.3	1.16	7.8	1.10	7.5	1.08	6.7	1.00	6.1	0.95	4.7	0.82

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 “1. Capacity of Outdoor Unit”.

3. Part Load of Outdoor Unit

3-3. U-10ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	18.7	1.77	22.4	2.13	26.1	2.48	28.0	2.66	31.7	3.01	35.5	3.37	39.2	3.72
		-5.0	18.7	1.77	22.4	2.13	26.1	2.48	28.0	2.66	31.7	3.02	35.5	3.37	39.2	3.72
		0.0	18.7	1.78	22.4	2.13	26.1	2.49	28.0	2.67	31.7	3.02	35.5	3.38	39.2	3.73
		5.0	18.7	1.78	22.4	2.14	26.1	2.50	28.0	2.67	31.7	3.03	35.5	3.39	39.2	3.75
		10.0	18.7	1.79	22.4	2.15	26.1	2.51	28.0	2.70	31.7	3.07	35.5	3.45	39.2	3.82
		15.0	18.7	1.82	22.4	2.21	26.1	2.60	28.0	2.81	31.7	3.22	35.5	3.63	39.2	4.02
		20.0	18.7	2.03	22.4	2.50	26.1	3.02	28.0	3.30	31.7	3.91	35.5	4.58	39.2	5.31
		25.0	18.7	2.61	22.4	3.22	26.1	3.90	28.0	4.26	31.7	5.02	35.5	5.85	39.2	6.74
		30.0	18.7	3.27	22.4	4.03	26.1	4.86	28.0	5.30	31.7	6.22	35.5	7.21	39.2	8.27
		35.0	18.7	3.98	22.4	4.90	26.1	5.89	28.0	6.42	31.7	7.51	35.5	8.68	37.5	8.97
		40.0	18.7	4.75	22.4	5.84	26.1	7.01	28.0	7.62	31.7	8.91	33.2	8.97	34.6	8.97
		43.0	18.7	5.23	22.4	6.43	26.1	7.72	28.0	8.39	30.3	8.97	31.7	8.97	32.4	8.53
		46.0	18.5	5.69	22.2	7.00	23.6	7.12	23.8	6.93	24.4	6.61	25.3	6.36	26.2	6.16
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	16.8	1.43	20.2	1.80	23.5	2.15	25.2	2.32	28.6	2.67	31.9	3.00	35.3	3.33
		-5.0	16.8	1.43	20.2	1.80	23.5	2.15	25.2	2.33	28.6	2.67	31.9	3.01	35.3	3.33
		0.0	16.8	1.44	20.2	1.80	23.5	2.16	25.2	2.33	28.6	2.68	31.9	3.01	35.3	3.34
		5.0	16.8	1.44	20.2	1.81	23.5	2.17	25.2	2.34	28.6	2.68	31.9	3.02	35.3	3.35
		10.0	16.8	1.45	20.2	1.82	23.5	2.17	25.2	2.35	28.6	2.70	31.9	3.04	35.3	3.38
		15.0	16.8	1.46	20.2	1.84	23.5	2.21	25.2	2.40	28.6	2.77	31.9	3.13	35.3	3.49
		20.0	16.8	1.58	20.2	2.01	23.5	2.43	25.2	2.63	28.6	3.03	31.9	3.49	35.3	3.97
		25.0	16.8	2.11	20.2	2.61	23.5	3.13	25.2	3.40	28.6	3.94	31.9	4.50	35.3	5.08
		30.0	16.8	2.73	20.2	3.33	23.5	3.95	25.2	4.26	28.6	4.90	31.9	5.55	35.3	6.22
		35.0	16.8	3.49	20.2	4.22	23.5	4.97	25.2	5.34	28.6	6.10	31.9	6.88	35.3	7.69
		40.0	16.8	4.17	20.2	5.01	23.5	5.86	25.2	6.29	28.6	7.17	31.9	8.08	34.6	8.97
		43.0	16.8	4.58	20.2	5.49	23.5	6.41	25.2	6.88	28.6	7.85	31.7	8.97	32.4	8.53
		46.0	16.8	4.91	20.2	5.96	23.5	7.05	23.8	6.93	24.4	6.61	25.3	6.36	26.2	6.16
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	14.9	1.23	17.9	1.56	20.9	1.88	22.4	2.04	25.4	2.35	28.4	2.65	31.4	2.95
		-5.0	14.9	1.23	17.9	1.56	20.9	1.88	22.4	2.04	25.4	2.35	28.4	2.66	31.4	2.96
		0.0	14.9	1.23	17.9	1.56	20.9	1.89	22.4	2.04	25.4	2.36	28.4	2.66	31.4	2.96
		5.0	14.9	1.24	17.9	1.57	20.9	1.89	22.4	2.05	25.4	2.36	28.4	2.67	31.4	2.97
		10.0	14.9	1.24	17.9	1.58	20.9	1.90	22.4	2.06	25.4	2.37	28.4	2.67	31.4	2.98
		15.0	14.9	1.26	17.9	1.59	20.9	1.91	22.4	2.07	25.4	2.39	28.4	2.71	31.4	3.02
		20.0	14.9	1.30	17.9	1.66	20.9	2.01	22.4	2.18	25.4	2.52	28.4	2.85	31.4	3.17
		25.0	14.9	1.71	17.9	2.09	20.9	2.48	22.4	2.67	25.4	3.07	28.4	3.47	31.4	3.87
		30.0	14.9	2.25	17.9	2.72	20.9	3.19	22.4	3.43	25.4	3.91	28.4	4.39	31.4	4.86
		35.0	14.9	2.92	17.9	3.50	20.9	4.08	22.4	4.37	25.4	4.95	28.4	5.52	31.4	6.10
		40.0	14.9	3.52	17.9	4.20	20.9	4.87	22.4	5.20	25.4	5.86	28.4	6.53	31.4	7.20
		43.0	14.9	3.89	17.9	4.63	20.9	5.35	22.4	5.71	25.4	6.43	28.4	7.17	31.4	7.91
		46.0	14.9	4.15	17.9	4.97	20.9	5.80	22.4	6.23	24.4	6.61	25.3	6.36	26.2	6.16
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	13.1	1.02	15.7	1.31	18.3	1.60	19.6	1.74	22.2	2.02	24.8	2.30	27.4	2.56
		-5.0	13.1	1.02	15.7	1.31	18.3	1.60	19.6	1.74	22.2	2.02	24.8	2.30	27.4	2.57
		0.0	13.1	1.02	15.7	1.32	18.3	1.61	19.6	1.75	22.2	2.03	24.8	2.30	27.4	2.57
		5.0	13.1	1.03	15.7	1.32	18.3	1.61	19.6	1.75	22.2	2.03	24.8	2.31	27.4	2.58
		10.0	13.1	1.03	15.7	1.33	18.3	1.62	19.6	1.76	22.2	2.04	24.8	2.31	27.4	2.58
		15.0	13.1	1.04	15.7	1.34	18.3	1.63	19.6	1.77	22.2	2.05	24.8	2.32	27.4	2.59
		20.0	13.1	1.06	15.7	1.36	18.3	1.66	19.6	1.80	22.2	2.09	24.8	2.38	27.4	2.65
		25.0	13.1	1.28	15.7	1.59	18.3	1.90	19.6	2.05	22.2	2.33	24.8	2.61	27.4	2.89
		30.0	13.1	1.81	15.7	2.17	18.3	2.51	19.6	2.69	22.2	3.02	24.8	3.36	27.4	3.69
		35.0	13.1	2.39	15.7	2.84	18.3	3.28	19.6	3.49	22.2	3.92	24.8	4.33	27.4	4.73
		40.0	13.1	2.92	15.7	3.45	18.3	3.96	19.6	4.21	22.2	4.70	24.8	5.19	27.4	5.66
		43.0	13.1	3.24	15.7	3.82	18.3	4.38	19.6	4.65	22.2	5.19	24.8	5.72	27.4	6.24
		46.0	13.1	3.47	15.7	4.08	18.3	4.70	19.6	5.02	22.2	5.64	24.8	6.04	26.2	6.16
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-10ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	11.2	0.81	13.4	1.06	15.7	1.32	16.8	1.44	19.0	1.68	21.3	1.93	23.5	2.16
		-5.0	11.2	0.81	13.4	1.07	15.7	1.32	16.8	1.44	19.0	1.69	21.3	1.93	23.5	2.16
		0.0	11.2	0.81	13.4	1.07	15.7	1.32	16.8	1.44	19.0	1.69	21.3	1.93	23.5	2.17
		5.0	11.2	0.81	13.4	1.07	15.7	1.32	16.8	1.45	19.0	1.69	21.3	1.94	23.5	2.17
		10.0	11.2	0.82	13.4	1.08	15.7	1.33	16.8	1.45	19.0	1.70	21.3	1.94	23.5	2.18
		15.0	11.2	0.83	13.4	1.08	15.7	1.34	16.8	1.46	19.0	1.71	21.3	1.95	23.5	2.19
		20.0	11.2	0.84	13.4	1.10	15.7	1.35	16.8	1.47	19.0	1.72	21.3	1.96	23.5	2.20
		25.0	11.2	0.91	13.4	1.17	15.7	1.43	16.8	1.55	19.0	1.80	21.3	2.04	23.5	2.28
		30.0	11.2	1.42	13.4	1.67	15.7	1.91	16.8	2.03	19.0	2.26	21.3	2.47	23.5	2.68
		35.0	11.2	1.91	13.4	2.24	15.7	2.55	16.8	2.71	19.0	3.00	21.3	3.28	23.5	3.54
		40.0	11.2	2.36	13.4	2.76	15.7	3.14	16.8	3.32	19.0	3.67	21.3	4.01	23.5	4.33
		43.0	11.2	2.63	13.4	3.08	15.7	3.50	16.8	3.70	19.0	4.08	21.3	4.45	23.5	4.81
		46.0	11.2	2.85	13.4	3.31	15.7	3.75	16.8	3.97	19.0	4.39	21.3	4.81	23.5	5.22
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	9.3	0.59	11.2	0.81	13.1	1.02	14.0	1.13	15.9	1.34	17.7	1.54	19.6	1.75
		-5.0	9.3	0.59	11.2	0.81	13.1	1.02	14.0	1.13	15.9	1.34	17.7	1.55	19.6	1.75
		0.0	9.3	0.59	11.2	0.81	13.1	1.03	14.0	1.13	15.9	1.34	17.7	1.55	19.6	1.75
		5.0	9.3	0.60	11.2	0.82	13.1	1.03	14.0	1.14	15.9	1.35	17.7	1.55	19.6	1.75
		10.0	9.3	0.60	11.2	0.82	13.1	1.03	14.0	1.14	15.9	1.35	17.7	1.56	19.6	1.76
		15.0	9.3	0.61	11.2	0.82	13.1	1.04	14.0	1.15	15.9	1.36	17.7	1.56	19.6	1.76
		20.0	9.3	0.62	11.2	0.83	13.1	1.05	14.0	1.16	15.9	1.36	17.7	1.57	19.6	1.77
		25.0	9.3	0.63	11.2	0.85	13.1	1.07	14.0	1.17	15.9	1.38	17.7	1.59	19.6	1.79
		30.0	9.3	1.07	11.2	1.23	13.1	1.33	14.0	1.40	15.9	1.56	17.7	1.73	19.6	1.91
		35.0	9.3	1.47	11.2	1.70	13.1	1.91	14.0	2.01	15.9	2.19	17.7	2.36	19.6	2.52
		40.0	9.3	1.84	11.2	2.13	13.1	2.40	14.0	2.52	15.9	2.75	17.7	2.97	19.6	3.17
		43.0	9.3	2.07	11.2	2.39	13.1	2.69	14.0	2.83	15.9	3.10	17.7	3.34	19.6	3.56
		46.0	9.3	2.30	11.2	2.62	13.1	2.92	14.0	3.07	15.9	3.35	17.7	3.61	19.6	3.85
		52.0	8.1	2.44	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	7.5	0.37	9.0	0.55	10.5	0.72	11.2	0.81	12.7	0.98	14.2	1.15	15.7	1.32
		-5.0	7.5	0.37	9.0	0.55	10.5	0.73	11.2	0.81	12.7	0.98	14.2	1.15	15.7	1.32
		0.0	7.5	0.37	9.0	0.55	10.5	0.73	11.2	0.81	12.7	0.98	14.2	1.15	15.7	1.32
		5.0	7.5	0.38	9.0	0.55	10.5	0.73	11.2	0.82	12.7	0.99	14.2	1.16	15.7	1.32
		10.0	7.5	0.38	9.0	0.56	10.5	0.73	11.2	0.82	12.7	0.99	14.2	1.16	15.7	1.33
		15.0	7.5	0.38	9.0	0.56	10.5	0.74	11.2	0.82	12.7	0.99	14.2	1.16	15.7	1.33
		20.0	7.5	0.39	9.0	0.57	10.5	0.74	11.2	0.83	12.7	1.00	14.2	1.17	15.7	1.34
		25.0	7.5	0.40	9.0	0.58	10.5	0.76	11.2	0.84	12.7	1.01	14.2	1.18	15.7	1.35
		30.0	7.5	0.54	9.0	0.66	10.5	0.80	11.2	0.88	12.7	1.04	14.2	1.22	15.7	1.40
		35.0	7.5	1.07	9.0	1.22	10.5	1.35	11.2	1.41	12.7	1.51	14.2	1.64	15.7	1.81
		40.0	7.5	1.37	9.0	1.56	10.5	1.73	11.2	1.81	12.7	1.95	14.2	2.07	15.7	2.17
		43.0	7.5	1.55	9.0	1.77	10.5	1.97	11.2	2.06	12.7	2.22	14.2	2.37	15.7	2.49
		46.0	7.5	1.81	9.0	2.03	10.5	2.22	11.2	2.31	12.7	2.47	14.2	2.62	15.7	2.75
		52.0	7.5	2.16	8.8	2.46	9.6	2.51	10.1	2.54	11.1	2.60	12.2	2.68	13.5	2.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	5.6	0.15	6.7	0.28	7.8	0.42	8.4	0.49	9.5	0.62	10.6	0.75	11.8	0.88
		-5.0	5.6	0.15	6.7	0.28	7.8	0.42	8.4	0.49	9.5	0.62	10.6	0.75	11.8	0.88
		0.0	5.6	0.15	6.7	0.29	7.8	0.42	8.4	0.49	9.5	0.62	10.6	0.76	11.8	0.89
		5.0	5.6	0.15	6.7	0.29	7.8	0.42	8.4	0.49	9.5	0.63	10.6	0.76	11.8	0.89
		10.0	5.6	0.15	6.7	0.29	7.8	0.43	8.4	0.49	9.5	0.63	10.6	0.76	11.8	0.89
		15.0	5.6	0.16	6.7	0.29	7.8	0.43	8.4	0.50	9.5	0.64	10.6	0.77	11.8	0.90
		20.0	5.6	0.16	6.7	0.30	7.8	0.43	8.4	0.50	9.5	0.64	10.6	0.78	11.8	0.91
		25.0	5.6	0.17	6.7	0.31	7.8	0.44	8.4	0.52	9.5	0.65	10.6	0.79	11.8	0.92
		30.0	5.6	0.20	6.7	0.33	7.8	0.46	8.4	0.54	9.5	0.69	10.6	0.85	11.8	1.00
		35.0	5.6	0.72	6.7	0.81	7.8	0.91	8.4	0.98	9.5	1.11	10.6	1.24	11.8	1.36
		40.0	5.6	0.94	6.7	1.06	7.8	1.16	8.4	1.20	9.5	1.27	10.6	1.32	11.8	1.36
		43.0	5.6	1.08	6.7	1.22	7.8	1.34	8.4	1.39	9.5	1.47	10.6	1.54	11.8	1.59
		46.0	5.6	1.38	6.7	1.51	7.8	1.62	8.4	1.67	9.5	1.76	10.6	1.83	11.8	1.88
		52.0	5.6	1.63	6.7	1.80	7.8	1.95	8.4	2.01	9.5	2.08	10.6	2.11	11.8	2.13

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-4. U-10ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	24.6	8.49	24.0	8.34	22.7	8.01	22.1	7.85	20.1	7.30	18.8	6.89	15.2	5.76
		-19.8	-20.0	25.7	8.66	25.1	8.50	23.8	8.17	23.2	7.99	21.1	7.43	19.7	7.01	16.0	5.85
		-14.7	-15.0	27.4	8.92	26.8	8.75	25.4	8.40	24.7	8.22	22.6	7.62	21.1	7.19	17.1	5.99
		-9.6	-10.0	29.7	9.27	29.0	9.12	27.6	8.74	26.8	8.54	24.5	7.91	22.9	7.45	18.6	6.18
		-4.4	-5.0	31.5	9.27	31.1	9.27	30.4	9.18	29.6	8.95	27.0	8.28	25.3	7.79	19.8	6.15
		-1.8	-2.5	32.8	9.27	32.4	9.27	31.6	9.27	31.2	9.26	28.0	8.32	25.7	7.61	19.8	5.89
		0.8	0.0	34.4	9.27	34.0	9.27	32.7	9.08	31.5	8.73	28.0	7.72	25.7	7.07	19.8	5.48
		2.8	2.0	36.2	9.26	35.0	8.94	32.7	8.32	31.5	8.01	28.0	7.10	25.7	6.51	19.8	5.07
		6.0	5.0	36.2	8.01	35.0	7.74	32.7	7.22	31.5	6.96	28.0	6.20	25.7	5.70	19.8	4.47
		7.0	6.0	36.2	7.60	35.0	7.35	32.7	6.87	31.5	6.62	28.0	5.90	25.7	5.43	19.8	4.29
		8.6	7.5	36.2	7.00	35.0	6.78	32.7	6.34	31.5	6.12	28.0	5.48	25.7	5.05	19.8	4.01
		11.2	10.0	36.2	6.06	35.0	5.88	32.7	5.52	31.5	5.34	28.0	4.81	25.7	4.46	19.8	3.58
		16.4	15.0	36.2	4.41	35.0	4.31	32.7	4.09	31.5	3.98	28.0	3.64	25.7	3.40	19.8	2.79
		24.0	18.0	36.2	3.93	35.0	3.82	32.7	3.60	31.5	3.48	28.0	3.15	25.7	2.92	19.8	2.36

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	90%	-24.9	-25.0	24.6	8.49	24.0	8.34	22.7	8.01	22.1	7.85	20.1	7.30	18.8	6.89	15.2	5.76
		-19.8	-20.0	25.7	8.66	25.1	8.50	23.8	8.17	23.2	7.99	21.1	7.43	19.7	7.01	16.0	5.85
		-14.7	-15.0	27.4	8.92	26.8	8.75	25.4	8.40	24.7	8.22	22.6	7.62	21.1	7.19	17.1	5.99
		-9.6	-10.0	29.7	9.27	29.0	9.12	27.6	8.74	26.8	8.54	24.5	7.91	22.9	7.45	17.9	5.70
		-4.4	-5.0	31.5	9.27	31.1	9.27	29.4	8.25	28.4	7.98	25.2	7.17	23.1	6.62	17.9	5.25
		-1.8	-2.5	32.6	8.40	31.5	8.15	29.4	7.66	28.4	7.41	25.2	6.67	23.1	6.17	17.9	4.92
		0.8	0.0	32.6	7.70	31.5	7.48	29.4	7.04	28.4	6.82	25.2	6.16	23.1	5.71	17.9	4.58
		2.8	2.0	32.6	6.99	31.5	6.80	29.4	6.42	28.4	6.22	25.2	5.63	23.1	5.26	17.9	4.28
		6.0	5.0	32.6	6.04	31.5	5.91	29.4	5.63	28.4	5.49	25.2	5.04	23.1	4.70	17.9	3.80
		7.0	6.0	32.6	5.92	31.5	5.76	29.4	5.44	28.4	5.28	25.2	4.80	23.1	4.47	17.9	3.63
		8.6	7.5	32.6	5.42	31.5	5.28	29.4	5.01	28.4	4.87	25.2	4.44	23.1	4.15	17.9	3.40
		11.2	10.0	32.6	4.64	31.5	4.53	29.4	4.32	28.4	4.21	25.2	3.88	23.1	3.65	17.9	3.03
		16.4	15.0	32.6	3.58	31.5	3.48	29.4	3.28	28.4	3.18	25.2	2.89	23.1	2.75	17.9	2.33
		24.0	18.0	32.6	3.58	31.5	3.48	29.4	3.28	28.4	3.18	25.2	2.87	23.1	2.67	17.9	2.16

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	80%	-24.9	-25.0	24.6	8.49	24.0	8.34	22.7	8.01	22.1	7.85	20.1	7.30	18.8	6.89	15.2	5.76
		-19.8	-20.0	25.7	8.66	25.1	8.50	23.8	8.17	23.2	7.99	21.1	7.43	19.7	7.01	15.9	5.85
		-14.7	-15.0	27.4	8.92	26.8	8.75	25.4	8.40	24.7	8.22	22.4	7.62	20.5	6.45	15.9	5.17
		-9.6	-10.0	28.9	7.89	28.0	7.70	26.1	7.29	25.2	7.09	22.4	6.46	20.5	6.02	15.9	4.88
		-4.4	-5.0	28.9	6.90	28.0	6.74	26.1	6.41	25.2	6.24	22.4	5.71	20.5	5.35	15.9	4.37
		-1.8	-2.5	28.9	6.35	28.0	6.21	26.1	5.92	25.2	5.77	22.4	5.31	20.5	4.98	15.9	4.13
		0.8	0.0	28.9	5.78	28.0	5.65	26.1	5.43	25.2	5.31	22.4	4.93	20.5	4.65	15.9	3.87
		2.8	2.0	28.9	5.30	28.0	5.22	26.1	5.02	25.2	4.92	22.4	4.57	20.5	4.32	15.9	3.61
		6.0	5.0	28.9	4.67	28.0	4.60	26.1	4.44	25.2	4.35	22.4	4.07	20.5	3.84	15.9	3.20
		7.0	6.0	28.9	4.54	28.0	4.45	26.1	4.27	25.2	4.17	22.4	3.87	20.5	3.65	15.9	3.06
		8.6	7.5	28.9	4.13	28.0	4.06	26.1	3.91	25.2	3.83	22.4	3.57	20.5	3.38	15.9	2.86
		11.2	10.0	28.9	3.50	28.0	3.45	26.1	3.35	25.2	3.29	22.4	3.10	20.5	2.96	15.9	2.55
		16.4	15.0	28.9	3.24	28.0	3.15	26.1	2.96	25.2	2.87	22.4	2.60	20.5	2.42	15.9	1.97
		24.0	18.0	28.9	3.24	28.0	3.15	26.1	2.96	25.2	2.87	22.4	2.60	20.5	2.42	15.9	1.97

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	
100%	70%	-24.9	-25.0	24.6	8.49	24.0	8.34	22.7	8.01	22.1	7.85	19.6	7.30	18.0	5.85	13.9	4.77
		-19.8	-20.0	25.3	7.27	24.5	7.12	22.9	6.79	22.1	6.62	19.6	6.05	18.0	5.61	13.9	4.59
		-14.7	-15.0	25.3	6.70	24.5	6.56	22.9	6.28	22.1	6.14	19.6	5.67	18.0	5.34	13.9	4.39
		-9.6	-10.0	25.3	6.00	24.5	5.89	22.9	5.66	22.1	5.54	19.6	5.14	18.0	4.85	13.9	4.07
		-4.4	-5.0	25.3	5.22	24.5	5.15	22.9	4.99	22.1	4.90	19.6	4.59	18.0	4.36	13.9	3.68
		-1.8	-2.5	25.3	4.86	24.5	4.80	22.9	4.66	22.1	4.58	19.6	4.30	18.0	4.09	13.9	3.47
		0.8	0.0	25.3	4.48	24.5	4.43	22.9	4.31	22.1	4.24	19.6	3.99	18.0	3.81	13.9	3.25
		2.8	2.0	25.3	4.11	24.5	4.06	22.9	3.96	22.1	3.90	19.6	3.69	18.0	3.53	13.9	3.03
		6.0	5.0	25.3	3.57	24.5	3.54	22.9	3.47	22.1	3.42	19.6	3.26	18.0	3.12	13.9	2.68
		7.0	6.0	25.3	3.44	24.5	3.40	22.9	3.31	22.1	3.26	19.6	3.09	18.0	2.96	13.9	2.57
		8.6	7.5	25.3	3.11	24.5	3.08	22.9	3.02	22.1	2.98	19.6	2.85	18.0	2.74	13.9	2.40
		11.2	10.0	25.3	2.89	24.5	2.81	22.9	2.65	22.1	2.57	19.6	2.47	18.0	2.39	13.9	2.13
		16.4	15.0	25.3	2.89	24.5	2.81	22.9	2.65	22.1	2.57	19.6	2.33	18.0	2.18	13.9	1.78
		24.0	18.0	25.3	2.89	24.5	2.81	22.9	2.65	22.1	2.57	19.6	2.33	18.0	2.18	13.9	1.78

3. Part Load of Outdoor Unit

U-10ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	21.7	5.90	21.0	5.81	19.6	5.60	18.9	5.49	16.8	5.12	15.4	4.83	11.9	3.98
		-19.8	-20.0	21.7	5.55	21.0	5.46	19.6	5.28	18.9	5.18	16.8	4.86	15.4	4.61	11.9	3.86
		-14.7	-15.0	21.7	5.10	21.0	5.04	19.6	4.90	18.9	4.82	16.8	4.54	15.4	4.33	11.9	3.68
		-9.6	-10.0	21.7	4.63	21.0	4.59	19.6	4.47	18.9	4.40	16.8	4.16	15.4	3.98	11.9	3.40
		-4.4	-5.0	21.7	4.09	21.0	4.05	19.6	3.96	18.9	3.91	16.8	3.72	15.4	3.56	11.9	3.08
		-1.8	-2.5	21.7	3.79	21.0	3.76	19.6	3.68	18.9	3.64	16.8	3.47	15.4	3.33	11.9	2.89
		0.8	0.0	21.7	3.47	21.0	3.45	19.6	3.39	18.9	3.35	16.8	3.21	15.4	3.09	11.9	2.70
		2.8	2.0	21.7	3.16	21.0	3.14	19.6	3.10	18.9	3.07	16.8	2.96	15.4	2.86	11.9	2.52
		6.0	5.0	21.7	2.71	21.0	2.71	19.6	2.69	18.9	2.67	16.8	2.59	15.4	2.50	11.9	2.21
		7.0	6.0	21.7	2.57	21.0	2.56	19.6	2.54	18.9	2.52	16.8	2.45	15.4	2.38	11.9	2.13
		8.6	7.5	21.7	2.54	21.0	2.47	19.6	2.33	18.9	2.30	16.8	2.25	15.4	2.20	11.9	1.99
		11.2	10.0	21.7	2.54	21.0	2.47	19.6	2.33	18.9	2.27	16.8	2.06	15.4	1.93	11.9	1.77
		16.4	15.0	21.7	2.54	21.0	2.47	19.6	2.33	18.9	2.27	16.8	2.06	15.4	1.93	11.9	1.59
		24.0	18.0	21.7	2.54	21.0	2.47	19.6	2.33	18.9	2.27	16.8	2.06	15.4	1.93	11.9	1.59
100%	50%	-24.9	-25.0	18.1	4.55	17.5	4.51	16.3	4.40	15.8	4.33	14.0	4.11	12.8	3.93	9.9	3.29
		-19.8	-20.0	18.1	4.32	17.5	4.27	16.3	4.18	15.8	4.12	14.0	3.91	12.8	3.75	9.9	3.22
		-14.7	-15.0	18.1	4.00	17.5	3.97	16.3	3.89	15.8	3.84	14.0	3.66	12.8	3.51	9.9	3.04
		-9.6	-10.0	18.1	3.62	17.5	3.60	16.3	3.53	15.8	3.49	14.0	3.35	12.8	3.22	9.9	2.81
		-4.4	-5.0	18.1	3.17	17.5	3.16	16.3	3.12	15.8	3.09	14.0	2.98	12.8	2.88	9.9	2.54
		-1.8	-2.5	18.1	2.93	17.5	2.92	16.3	2.89	15.8	2.87	14.0	2.77	12.8	2.69	9.9	2.38
		0.8	0.0	18.1	2.67	17.5	2.67	16.3	2.65	15.8	2.64	14.0	2.56	12.8	2.49	9.9	2.23
		2.8	2.0	18.1	2.41	17.5	2.42	16.3	2.42	15.8	2.41	14.0	2.36	12.8	2.30	9.9	2.07
		6.0	5.0	18.1	2.19	17.5	2.13	16.3	2.06	15.8	2.06	14.0	2.03	12.8	1.99	9.9	1.81
		7.0	6.0	18.1	2.19	17.5	2.13	16.3	2.02	15.8	1.96	14.0	1.92	12.8	1.89	9.9	1.75
		8.6	7.5	18.1	2.19	17.5	2.13	16.3	2.02	15.8	1.96	14.0	1.79	12.8	1.75	9.9	1.64
		11.2	10.0	18.1	2.19	17.5	2.13	16.3	2.02	15.8	1.96	14.0	1.79	12.8	1.68	9.9	1.47
		16.4	15.0	18.1	2.19	17.5	2.13	16.3	2.02	15.8	1.96	14.0	1.79	12.8	1.68	9.9	1.40
		24.0	18.0	18.1	2.19	17.5	2.13	16.3	2.02	15.8	1.96	14.0	1.79	12.8	1.68	9.9	1.40
100%	40%	-24.9	-25.0	14.5	3.52	14.0	3.50	13.1	3.43	12.6	3.39	11.2	3.24	10.3	3.12	7.9	2.70
		-19.8	-20.0	14.5	3.33	14.0	3.31	13.1	3.26	12.6	3.22	11.2	3.09	10.3	2.97	7.9	2.60
		-14.7	-15.0	14.5	3.09	14.0	3.07	13.1	3.03	12.6	3.00	11.2	2.89	10.3	2.79	7.9	2.45
		-9.6	-10.0	14.5	2.78	14.0	2.77	13.1	2.75	12.6	2.72	11.2	2.64	10.3	2.55	7.9	2.27
		-4.4	-5.0	14.5	2.43	14.0	2.43	13.1	2.42	12.6	2.40	11.2	2.34	10.3	2.28	7.9	2.05
		-1.8	-2.5	14.5	2.23	14.0	2.24	13.1	2.24	12.6	2.23	11.2	2.18	10.3	2.13	7.9	1.93
		0.8	0.0	14.5	2.03	14.0	2.04	13.1	2.05	12.6	2.05	11.2	2.02	10.3	1.98	7.9	1.80
		2.8	2.0	14.5	1.84	14.0	1.83	13.1	1.85	12.6	1.85	11.2	1.83	10.3	1.81	7.9	1.67
		6.0	5.0	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.57	10.3	1.57	7.9	1.47
		7.0	6.0	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.52	10.3	1.49	7.9	1.42
		8.6	7.5	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.52	10.3	1.43	7.9	1.34
		11.2	10.0	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.52	10.3	1.43	7.9	1.21
		16.4	15.0	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.52	10.3	1.43	7.9	1.21
		24.0	18.0	14.5	1.84	14.0	1.79	13.1	1.70	12.6	1.66	11.2	1.52	10.3	1.43	7.9	1.21
100%	30%	-24.9	-25.0	10.9	2.63	10.5	2.61	9.8	2.58	9.5	2.56	8.4	2.46	7.7	2.38	6.0	2.10
		-19.8	-20.0	10.9	2.48	10.5	2.48	9.8	2.45	9.5	2.43	8.4	2.35	7.7	2.27	6.0	2.02
		-14.7	-15.0	10.9	2.30	10.5	2.30	9.8	2.28	9.5	2.26	8.4	2.20	7.7	2.13	6.0	1.91
		-9.6	-10.0	10.9	2.08	10.5	2.08	9.8	2.07	9.5	2.06	8.4	2.01	7.7	1.96	6.0	1.77
		-4.4	-5.0	10.9	1.81	10.5	1.81	9.8	1.81	9.5	1.81	8.4	1.78	7.7	1.75	6.0	1.60
		-1.8	-2.5	10.9	1.65	10.5	1.65	9.8	1.67	9.5	1.67	8.4	1.65	7.7	1.63	6.0	1.50
		0.8	0.0	10.9	1.49	10.5	1.49	9.8	1.51	9.5	1.52	8.4	1.52	7.7	1.50	6.0	1.41
		2.8	2.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.37	8.4	1.39	7.7	1.38	6.0	1.31
		6.0	5.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.21	6.0	1.17
		7.0	6.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.18	6.0	1.13
		8.6	7.5	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.18	6.0	1.07
		11.2	10.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.18	6.0	1.01
		16.4	15.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.18	6.0	1.01
		24.0	18.0	10.9	1.49	10.5	1.45	9.8	1.39	9.5	1.35	8.4	1.25	7.7	1.18	6.0	1.01

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 “1. Capacity of Outdoor Unit”.

3. Part Load of Outdoor Unit

3-5. U-12ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	22.3	2.31	26.8	2.78	31.3	3.24	33.5	3.47	38.0	3.93	42.4	4.40	46.9	4.86
		-5.0	22.3	2.32	26.8	2.78	31.3	3.24	33.5	3.48	38.0	3.94	42.4	4.40	46.9	4.86
		0.0	22.3	2.32	26.8	2.79	31.3	3.25	33.5	3.48	38.0	3.94	42.4	4.41	46.9	4.88
		5.0	22.3	2.33	26.8	2.79	31.3	3.26	33.5	3.49	38.0	3.97	42.4	4.45	46.9	4.93
		10.0	22.3	2.34	26.8	2.81	31.3	3.30	33.5	3.55	38.0	4.05	42.4	4.56	46.9	5.05
		15.0	22.3	2.40	26.8	2.92	31.3	3.46	33.5	3.73	38.0	4.28	42.4	4.83	46.9	5.34
		20.0	22.3	2.74	26.8	3.36	31.3	4.04	33.5	4.41	38.0	5.21	42.4	6.08	46.9	7.03
		25.0	22.3	3.51	26.8	4.31	31.3	5.19	33.5	5.66	38.0	6.66	42.4	7.74	46.9	8.90
		30.0	22.3	4.37	26.8	5.37	31.3	6.45	33.5	7.02	38.0	8.22	42.4	9.52	46.9	10.90
		35.0	22.3	5.30	26.8	6.50	31.3	7.79	33.5	8.48	38.0	9.91	42.4	11.44	44.9	11.86
		40.0	22.3	6.30	26.8	7.72	31.3	9.25	33.5	10.05	38.0	11.73	39.8	11.86	41.5	11.86
		43.0	22.3	6.93	26.8	8.50	31.3	10.18	33.5	11.06	36.3	11.86	38.0	11.86	38.8	11.24
		46.0	22.1	7.53	26.5	9.24	28.2	9.40	28.5	9.15	29.2	8.73	30.2	8.40	31.4	8.15
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	20.1	1.86	24.1	2.34	28.1	2.80	30.2	3.03	34.2	3.48	38.2	3.92	42.2	4.35
		-5.0	20.1	1.87	24.1	2.34	28.1	2.81	30.2	3.04	34.2	3.48	38.2	3.92	42.2	4.35
		0.0	20.1	1.87	24.1	2.35	28.1	2.81	30.2	3.04	34.2	3.49	38.2	3.93	42.2	4.36
		5.0	20.1	1.88	24.1	2.36	28.1	2.82	30.2	3.05	34.2	3.50	38.2	3.94	42.2	4.38
		10.0	20.1	1.89	24.1	2.37	28.1	2.84	30.2	3.07	34.2	3.54	38.2	4.00	42.2	4.45
		15.0	20.1	1.91	24.1	2.42	28.1	2.92	30.2	3.17	34.2	3.66	38.2	4.15	42.2	4.62
		20.0	20.1	2.12	24.1	2.70	28.1	3.26	30.2	3.53	34.2	4.06	38.2	4.65	42.2	5.28
		25.0	20.1	2.86	24.1	3.51	28.1	4.19	30.2	4.53	34.2	5.24	38.2	5.97	42.2	6.72
		30.0	20.1	3.66	24.1	4.45	28.1	5.25	30.2	5.66	34.2	6.49	38.2	7.34	42.2	8.21
		35.0	20.1	4.66	24.1	5.61	28.1	6.58	30.2	7.07	34.2	8.07	38.2	9.09	42.2	10.14
		40.0	20.1	5.54	24.1	6.64	28.1	7.75	30.2	8.31	34.2	9.46	38.2	10.66	41.5	11.86
		43.0	20.1	6.08	24.1	7.27	28.1	8.48	30.2	9.09	34.2	10.35	38.0	11.86	38.8	11.24
		46.0	20.1	6.51	24.1	7.88	28.1	9.31	28.5	9.15	29.2	8.73	30.2	8.40	31.4	8.15
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	17.9	1.59	21.4	2.03	25.0	2.45	26.8	2.65	30.4	3.06	33.9	3.46	37.5	3.85
		-5.0	17.9	1.60	21.4	2.03	25.0	2.45	26.8	2.66	30.4	3.07	33.9	3.47	37.5	3.86
		0.0	17.9	1.60	21.4	2.03	25.0	2.46	26.8	2.66	30.4	3.07	33.9	3.47	37.5	3.86
		5.0	17.9	1.61	21.4	2.04	25.0	2.46	26.8	2.67	30.4	3.08	33.9	3.48	37.5	3.87
		10.0	17.9	1.62	21.4	2.05	25.0	2.47	26.8	2.68	30.4	3.09	33.9	3.50	37.5	3.90
		15.0	17.9	1.63	21.4	2.07	25.0	2.50	26.8	2.72	30.4	3.15	33.9	3.57	37.5	3.98
		20.0	17.9	1.72	21.4	2.20	25.0	2.67	26.8	2.90	30.4	3.36	33.9	3.80	37.5	4.22
		25.0	17.9	2.34	21.4	2.83	25.0	3.33	26.8	3.59	30.4	4.10	33.9	4.62	37.5	5.15
		30.0	17.9	3.04	21.4	3.65	25.0	4.27	26.8	4.58	30.4	5.20	33.9	5.82	37.5	6.45
		35.0	17.9	3.91	21.4	4.67	25.0	5.43	26.8	5.81	30.4	6.56	33.9	7.31	37.5	8.07
		40.0	17.9	4.70	21.4	5.58	25.0	6.45	26.8	6.89	30.4	7.75	33.9	8.62	37.5	9.50
		43.0	17.9	5.18	21.4	6.14	25.0	7.09	26.8	7.56	30.4	8.50	33.9	9.46	37.5	10.43
		46.0	17.9	5.52	21.4	6.58	25.0	7.68	26.8	8.23	29.2	8.73	30.2	8.40	31.4	8.15
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	15.6	1.32	18.8	1.71	21.9	2.08	23.5	2.27	26.6	2.63	29.7	2.99	32.8	3.35
		-5.0	15.6	1.32	18.8	1.71	21.9	2.09	23.5	2.27	26.6	2.64	29.7	3.00	32.8	3.35
		0.0	15.6	1.33	18.8	1.71	21.9	2.09	23.5	2.28	26.6	2.64	29.7	3.00	32.8	3.35
		5.0	15.6	1.33	18.8	1.72	21.9	2.10	23.5	2.28	26.6	2.65	29.7	3.01	32.8	3.36
		10.0	15.6	1.34	18.8	1.73	21.9	2.10	23.5	2.29	26.6	2.66	29.7	3.02	32.8	3.37
		15.0	15.6	1.35	18.8	1.74	21.9	2.12	23.5	2.30	26.6	2.67	29.7	3.04	32.8	3.40
		20.0	15.6	1.38	18.8	1.79	21.9	2.18	23.5	2.38	26.6	2.76	29.7	3.14	32.8	3.51
		25.0	15.6	1.75	18.8	2.17	21.9	2.57	23.5	2.76	26.6	3.14	29.7	3.50	32.8	3.86
		30.0	15.6	2.47	18.8	2.93	21.9	3.38	23.5	3.61	26.6	4.05	29.7	4.48	32.8	4.91
		35.0	15.6	3.23	18.8	3.81	21.9	4.38	23.5	4.66	26.6	5.21	29.7	5.75	32.8	6.28
		40.0	15.6	3.91	18.8	4.60	21.9	5.27	23.5	5.60	26.6	6.24	29.7	6.87	32.8	7.49
		43.0	15.6	4.33	18.8	5.09	21.9	5.82	23.5	6.18	26.6	6.88	29.7	7.57	32.8	8.24
		46.0	15.6	4.62	18.8	5.43	21.9	6.24	23.5	6.65	26.6	7.46	29.7	7.98	31.4	8.15
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-12ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	13.4	1.05	16.1	1.38	18.8	1.71	20.1	1.87	22.8	2.19	25.5	2.51	28.1	2.82
		-5.0	13.4	1.05	16.1	1.38	18.8	1.71	20.1	1.88	22.8	2.20	25.5	2.51	28.1	2.82
		0.0	13.4	1.05	16.1	1.39	18.8	1.72	20.1	1.88	22.8	2.20	25.5	2.52	28.1	2.83
		5.0	13.4	1.05	16.1	1.39	18.8	1.72	20.1	1.88	22.8	2.21	25.5	2.52	28.1	2.83
		10.0	13.4	1.06	16.1	1.40	18.8	1.73	20.1	1.89	22.8	2.21	25.5	2.53	28.1	2.84
		15.0	13.4	1.07	16.1	1.41	18.8	1.74	20.1	1.90	22.8	2.22	25.5	2.54	28.1	2.85
		20.0	13.4	1.08	16.1	1.42	18.8	1.76	20.1	1.92	22.8	2.25	25.5	2.57	28.1	2.88
		25.0	13.4	1.22	16.1	1.57	18.8	1.91	20.1	2.07	22.8	2.40	25.5	2.72	28.1	3.03
		30.0	13.4	1.96	16.1	2.29	18.8	2.60	20.1	2.75	22.8	3.05	25.5	3.33	28.1	3.59
		35.0	13.4	2.59	16.1	3.03	18.8	3.44	20.1	3.64	22.8	4.02	25.5	4.38	28.1	4.73
		40.0	13.4	3.18	16.1	3.70	18.8	4.20	20.1	4.44	22.8	4.90	25.5	5.33	28.1	5.75
		43.0	13.4	3.54	16.1	4.12	18.8	4.67	20.1	4.93	22.8	5.43	25.5	5.92	28.1	6.38
		46.0	13.4	3.82	16.1	4.41	18.8	4.99	20.1	5.28	22.8	5.84	25.5	6.38	28.1	6.91
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	11.2	0.76	13.4	1.05	15.6	1.33	16.8	1.47	19.0	1.74	21.2	2.01	23.5	2.27
		-5.0	11.2	0.77	13.4	1.05	15.6	1.33	16.8	1.47	19.0	1.74	21.2	2.01	23.5	2.28
		0.0	11.2	0.77	13.4	1.05	15.6	1.33	16.8	1.47	19.0	1.75	21.2	2.02	23.5	2.28
		5.0	11.2	0.77	13.4	1.06	15.6	1.34	16.8	1.48	19.0	1.75	21.2	2.02	23.5	2.28
		10.0	11.2	0.78	13.4	1.06	15.6	1.34	16.8	1.48	19.0	1.76	21.2	2.02	23.5	2.29
		15.0	11.2	0.78	13.4	1.07	15.6	1.35	16.8	1.49	19.0	1.76	21.2	2.03	23.5	2.30
		20.0	11.2	0.79	13.4	1.08	15.6	1.36	16.8	1.50	19.0	1.77	21.2	2.04	23.5	2.30
		25.0	11.2	0.83	13.4	1.12	15.6	1.40	16.8	1.54	19.0	1.81	21.2	2.08	23.5	2.35
		30.0	11.2	1.51	13.4	1.70	15.6	1.83	16.8	1.91	19.0	2.11	21.2	2.33	23.5	2.56
		35.0	11.2	2.02	13.4	2.32	15.6	2.60	16.8	2.73	19.0	2.97	21.2	3.19	23.5	3.39
		40.0	11.2	2.51	13.4	2.89	15.6	3.23	16.8	3.39	19.0	3.70	21.2	3.98	23.5	4.24
		43.0	11.2	2.81	13.4	3.23	15.6	3.62	16.8	3.80	19.0	4.15	21.2	4.46	23.5	4.75
		46.0	11.2	3.10	13.4	3.52	15.6	3.92	16.8	4.11	19.0	4.47	21.2	4.81	23.5	5.13
		52.0	9.6	3.28	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	8.9	0.48	10.7	0.71	12.5	0.94	13.4	1.05	15.2	1.27	17.0	1.50	18.8	1.71
		-5.0	8.9	0.48	10.7	0.71	12.5	0.94	13.4	1.05	15.2	1.28	17.0	1.50	18.8	1.72
		0.0	8.9	0.48	10.7	0.71	12.5	0.94	13.4	1.05	15.2	1.28	17.0	1.50	18.8	1.72
		5.0	8.9	0.48	10.7	0.71	12.5	0.94	13.4	1.06	15.2	1.28	17.0	1.50	18.8	1.72
		10.0	8.9	0.49	10.7	0.72	12.5	0.95	13.4	1.06	15.2	1.29	17.0	1.51	18.8	1.73
		15.0	8.9	0.49	10.7	0.72	12.5	0.95	13.4	1.07	15.2	1.29	17.0	1.51	18.8	1.73
		20.0	8.9	0.50	10.7	0.73	12.5	0.96	13.4	1.08	15.2	1.30	17.0	1.52	18.8	1.74
		25.0	8.9	0.52	10.7	0.75	12.5	0.98	13.4	1.09	15.2	1.31	17.0	1.53	18.8	1.76
		30.0	8.9	0.76	10.7	0.90	12.5	1.08	13.4	1.18	15.2	1.38	17.0	1.61	18.8	1.87
		35.0	8.9	1.51	10.7	1.70	12.5	1.87	13.4	1.95	15.2	2.08	17.0	2.25	18.8	2.47
		40.0	8.9	1.89	10.7	2.15	12.5	2.37	13.4	2.47	15.2	2.65	17.0	2.81	18.8	2.94
		43.0	8.9	2.13	10.7	2.42	12.5	2.68	13.4	2.80	15.2	3.01	17.0	3.19	18.8	3.35
		46.0	8.9	2.46	10.7	2.74	12.5	2.99	13.4	3.11	15.2	3.33	17.0	3.52	18.8	3.69
		52.0	8.9	2.91	10.5	3.31	11.5	3.37	12.1	3.41	13.3	3.49	14.6	3.59	16.1	3.70

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	6.7	0.19	8.0	0.36	9.4	0.54	10.1	0.63	11.4	0.80	12.7	0.97	14.1	1.14
		-5.0	6.7	0.19	8.0	0.36	9.4	0.54	10.1	0.63	11.4	0.80	12.7	0.98	14.1	1.14
		0.0	6.7	0.19	8.0	0.36	9.4	0.54	10.1	0.63	11.4	0.81	12.7	0.98	14.1	1.15
		5.0	6.7	0.19	8.0	0.37	9.4	0.54	10.1	0.63	11.4	0.81	12.7	0.98	14.1	1.15
		10.0	6.7	0.19	8.0	0.37	9.4	0.55	10.1	0.64	11.4	0.81	12.7	0.99	14.1	1.16
		15.0	6.7	0.20	8.0	0.37	9.4	0.55	10.1	0.64	11.4	0.82	12.7	0.99	14.1	1.17
		20.0	6.7	0.20	8.0	0.38	9.4	0.56	10.1	0.65	11.4	0.83	12.7	1.00	14.1	1.17
		25.0	6.7	0.21	8.0	0.39	9.4	0.57	10.1	0.66	11.4	0.84	12.7	1.03	14.1	1.21
		30.0	6.7	0.25	8.0	0.41	9.4	0.60	10.1	0.71	11.4	0.93	12.7	1.14	14.1	1.35
		35.0	6.7	1.06	8.0	1.17	9.4	1.30	10.1	1.39	11.4	1.56	12.7	1.73	14.1	1.89
		40.0	6.7	1.34	8.0	1.50	9.4	1.62	10.1	1.68	11.4	1.77	12.7	1.84	14.1	1.89
		43.0	6.7	1.52	8.0	1.70	9.4	1.85	10.1	1.92	11.4	2.03	12.7	2.12	14.1	2.18
		46.0	6.7	1.89	8.0	2.07	9.4	2.21	10.1	2.28	11.4	2.39	12.7	2.48	14.1	2.56
		52.0	6.7	2.22	8.0	2.44	9.4	2.64	10.1	2.72	11.4	2.81	12.7	2.86	14.1	2.87

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-6. U-12ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	27.6	9.44	26.9	9.27	25.4	8.89	24.7	8.70	22.4	8.07	20.8	7.62	16.6	6.34
		-19.8	-20.0	29.0	9.67	28.3	9.49	26.8	9.10	26.0	8.90	23.6	8.24	21.9	7.77	17.5	6.45
		-14.7	-15.0	31.0	10.01	30.2	9.83	28.6	9.41	27.8	9.20	25.2	8.51	23.4	8.01	18.8	6.62
		-9.6	-10.0	33.7	10.52	32.9	10.32	31.1	9.89	30.2	9.65	27.4	8.87	25.5	8.29	20.4	6.85
		-4.4	-5.0	37.2	10.90	36.2	10.69	34.3	10.25	33.3	10.02	30.2	9.25	28.1	8.70	22.5	7.14
		-1.8	-2.5	39.2	11.07	38.2	10.86	36.1	10.39	35.1	10.15	31.9	9.36	29.6	8.79	23.6	7.15
		0.8	0.0	41.2	11.09	40.4	11.02	38.3	10.54	37.2	10.29	33.3	9.29	30.6	8.53	23.6	6.65
		2.8	2.0	43.1	10.99	41.7	10.64	38.9	9.93	37.5	9.58	33.3	8.55	30.6	7.86	23.6	6.15
		6.0	5.0	43.1	9.51	41.7	9.21	38.9	8.63	37.5	8.34	33.3	7.46	30.6	6.87	23.6	5.41
		7.0	6.0	43.1	9.03	41.7	8.76	38.9	8.21	37.5	7.92	33.3	7.10	30.6	6.55	23.6	5.19
		8.6	7.5	43.1	8.32	41.7	8.07	38.9	7.58	37.5	7.33	33.3	6.60	30.6	6.10	23.6	4.85
		11.2	10.0	43.1	7.23	41.7	7.03	38.9	6.63	37.5	6.42	33.3	5.81	30.6	5.40	23.6	4.33
		16.4	15.0	43.1	5.31	41.7	5.18	38.9	4.92	37.5	4.79	33.3	4.37	30.6	4.08	23.6	3.31
		24.0	18.0	43.1	4.85	41.7	4.71	38.9	4.42	37.5	4.27	33.3	3.84	30.6	3.55	23.6	2.82
100%	90%	-24.9	-25.0	27.6	9.44	26.9	9.27	25.4	8.89	24.7	8.70	22.4	8.07	20.8	7.62	16.6	6.34
		-19.8	-20.0	29.0	9.67	28.3	9.49	26.8	9.10	26.0	8.90	23.6	8.24	21.9	7.77	17.5	6.45
		-14.7	-15.0	31.0	10.01	30.2	9.83	28.6	9.41	27.8	9.20	25.2	8.51	23.4	8.01	18.8	6.62
		-9.6	-10.0	33.7	10.52	32.9	10.32	31.1	9.89	30.2	9.65	27.4	8.87	25.5	8.29	20.4	6.85
		-4.4	-5.0	37.2	10.90	36.2	10.69	34.3	10.25	33.3	10.02	30.0	8.65	27.5	8.02	21.3	6.39
		-1.8	-2.5	38.8	10.01	37.5	9.74	35.0	9.18	33.8	8.91	30.0	8.05	27.5	7.47	21.3	5.97
		0.8	0.0	38.8	9.17	37.5	8.93	35.0	8.44	33.8	8.19	30.0	7.42	27.5	6.90	21.3	5.55
		2.8	2.0	38.8	8.32	37.5	8.11	35.0	7.68	33.8	7.47	30.0	6.79	27.5	6.33	21.3	5.15
		6.0	5.0	38.8	7.20	37.5	7.05	35.0	6.73	33.8	6.56	30.0	6.02	27.5	5.62	21.3	4.56
		7.0	6.0	38.8	6.96	37.5	6.80	35.0	6.45	33.8	6.28	30.0	5.73	27.5	5.36	21.3	4.36
		8.6	7.5	38.8	6.38	37.5	6.23	35.0	5.94	33.8	5.78	30.0	5.31	27.5	4.97	21.3	4.08
		11.2	10.0	38.8	5.47	37.5	5.36	35.0	5.13	33.8	5.01	30.0	4.64	27.5	4.37	21.3	3.63
		16.4	15.0	38.8	4.40	37.5	4.27	35.0	4.01	33.8	3.88	30.0	3.49	27.5	3.24	21.3	2.73
		24.0	18.0	38.8	4.40	37.5	4.27	35.0	4.01	33.8	3.88	30.0	3.49	27.5	3.23	21.3	2.58
100%	80%	-24.9	-25.0	27.6	9.44	26.9	9.27	25.4	8.89	24.7	8.70	22.4	8.07	20.8	7.62	16.6	6.34
		-19.8	-20.0	29.0	9.67	28.3	9.49	26.8	9.10	26.0	8.90	23.6	8.24	21.9	7.77	17.5	6.45
		-14.7	-15.0	31.0	10.01	30.2	9.83	28.6	9.41	27.8	9.20	25.2	8.51	23.4	8.01	18.8	6.62
		-9.6	-10.0	33.7	10.52	32.9	10.32	31.1	9.89	30.0	8.56	26.7	7.83	24.4	7.32	18.9	5.95
		-4.4	-5.0	34.4	8.26	33.3	8.08	31.1	7.71	30.0	7.52	26.7	6.91	24.4	6.48	18.9	5.31
		-1.8	-2.5	34.4	7.60	33.3	7.44	31.1	7.12	30.0	6.95	26.7	6.41	24.4	6.03	18.9	4.99
		0.8	0.0	34.4	6.92	33.3	6.80	31.1	6.54	30.0	6.40	26.7	5.95	24.4	5.61	18.9	4.66
		2.8	2.0	34.4	6.35	33.3	6.25	31.1	6.02	30.0	5.90	26.7	5.49	24.4	5.19	18.9	4.33
		6.0	5.0	34.4	5.54	33.3	5.46	31.1	5.27	30.0	5.17	26.7	4.83	24.4	4.56	18.9	3.80
		7.0	6.0	34.4	5.29	33.3	5.20	31.1	5.01	30.0	4.91	26.7	4.58	24.4	4.34	18.9	3.65
		8.6	7.5	34.4	4.81	33.3	4.74	31.1	4.58	30.0	4.50	26.7	4.22	24.4	4.01	18.9	3.40
		11.2	10.0	34.4	4.07	33.3	4.02	31.1	3.92	30.0	3.86	26.7	3.66	24.4	3.50	18.9	3.01
		16.4	15.0	34.4	3.95	33.3	3.84	31.1	3.61	30.0	3.49	26.7	3.14	24.4	2.91	18.9	2.33
		24.0	18.0	34.4	3.95	33.3	3.84	31.1	3.61	30.0	3.49	26.7	3.14	24.4	2.91	18.9	2.33
100%	70%	-24.9	-25.0	27.6	9.44	26.9	9.27	25.4	8.89	24.7	8.70	22.4	8.07	20.8	7.62	16.5	5.85
		-19.8	-20.0	29.0	9.67	28.3	9.49	26.8	9.10	26.0	8.90	23.3	7.43	21.4	6.95	16.5	5.62
		-14.7	-15.0	30.1	8.08	29.2	7.93	27.2	7.62	26.3	7.45	23.3	6.90	21.4	6.51	16.5	5.38
		-9.6	-10.0	30.1	7.23	29.2	7.11	27.2	6.84	26.3	6.70	23.3	6.26	21.4	5.93	16.5	4.96
		-4.4	-5.0	30.1	6.34	29.2	6.25	27.2	6.06	26.3	5.95	23.3	5.58	21.4	5.30	16.5	4.46
		-1.8	-2.5	30.1	5.87	29.2	5.80	27.2	5.63	26.3	5.53	23.3	5.20	21.4	4.95	16.5	4.19
		0.8	0.0	30.1	5.39	29.2	5.32	27.2	5.18	26.3	5.10	23.3	4.81	21.4	4.58	16.5	3.90
		2.8	2.0	30.1	4.91	29.2	4.86	27.2	4.74	26.3	4.67	23.3	4.42	21.4	4.22	16.5	3.61
		6.0	5.0	30.1	4.21	29.2	4.18	27.2	4.08	26.3	4.03	23.3	3.83	21.4	3.67	16.5	3.14
		7.0	6.0	30.1	3.95	29.2	3.92	27.2	3.84	26.3	3.79	23.3	3.62	21.4	3.48	16.5	3.02
		8.6	7.5	30.1	3.57	29.2	3.55	27.2	3.49	26.3	3.46	23.3	3.32	21.4	3.21	16.5	2.82
		11.2	10.0	30.1	3.50	29.2	3.40	27.2	3.20	26.3	3.10	23.3	2.87	21.4	2.79	16.5	2.49
		16.4	15.0	30.1	3.50	29.2	3.40	27.2	3.20	26.3	3.10	23.3	2.79	21.4	2.59	16.5	2.08
		24.0	18.0	30.1	3.50	29.2	3.40	27.2	3.20	26.3	3.10	23.3	2.79	21.4	2.59	16.5	2.08

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-12ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	25.8	7.16	25.0	7.06	23.3	6.82	22.5	6.69	20.0	6.27	18.3	5.93	14.2	4.88
		-19.8	-20.0	25.8	6.76	25.0	6.67	23.3	6.46	22.5	6.35	20.0	5.97	18.3	5.67	14.2	4.74
		-14.7	-15.0	25.8	6.26	25.0	6.19	23.3	6.01	22.5	5.91	20.0	5.57	18.3	5.30	14.2	4.49
		-9.6	-10.0	25.8	5.66	25.0	5.60	23.3	5.46	22.5	5.37	20.0	5.08	18.3	4.85	14.2	4.13
		-4.4	-5.0	25.8	4.95	25.0	4.91	23.3	4.80	22.5	4.74	20.0	4.50	18.3	4.31	14.2	3.71
		-1.8	-2.5	25.8	4.56	25.0	4.53	23.3	4.44	22.5	4.39	20.0	4.18	18.3	4.02	14.2	3.47
		0.8	0.0	25.8	4.15	25.0	4.13	23.3	4.07	22.5	4.02	20.0	3.86	18.3	3.71	14.2	3.23
		2.8	2.0	25.8	3.75	25.0	3.74	23.3	3.70	22.5	3.67	20.0	3.53	18.3	3.40	14.2	2.97
		6.0	5.0	25.8	3.12	25.0	3.12	23.3	3.10	22.5	3.08	20.0	3.00	18.3	2.91	14.2	2.57
		7.0	6.0	25.8	3.05	25.0	2.97	23.3	2.91	22.5	2.90	20.0	2.83	18.3	2.76	14.2	2.48
		8.6	7.5	25.8	3.05	25.0	2.97	23.3	2.79	22.5	2.71	20.0	2.59	18.3	2.54	14.2	2.31
		11.2	10.0	25.8	3.05	25.0	2.97	23.3	2.79	22.5	2.71	20.0	2.45	18.3	2.27	14.2	2.03
		16.4	15.0	25.8	3.05	25.0	2.97	23.3	2.79	22.5	2.71	20.0	2.45	18.3	2.27	14.2	1.84
		24.0	18.0	25.8	3.05	25.0	2.97	23.3	2.79	22.5	2.71	20.0	2.45	18.3	2.27	14.2	1.84
100%	50%	-24.9	-25.0	21.5	5.61	20.8	5.55	19.4	5.41	18.8	5.33	16.7	5.04	15.3	4.82	11.8	4.03
		-19.8	-20.0	21.5	5.30	20.8	5.25	19.4	5.12	18.8	5.05	16.7	4.79	15.3	4.58	11.8	3.92
		-14.7	-15.0	21.5	4.89	20.8	4.85	19.4	4.75	18.8	4.69	16.7	4.46	15.3	4.28	11.8	3.68
		-9.6	-10.0	21.5	4.40	20.8	4.37	19.4	4.29	18.8	4.24	16.7	4.06	15.3	3.90	11.8	3.38
		-4.4	-5.0	21.5	3.82	20.8	3.80	19.4	3.75	18.8	3.72	16.7	3.58	15.3	3.46	11.8	3.03
		-1.8	-2.5	21.5	3.50	20.8	3.49	19.4	3.46	18.8	3.43	16.7	3.32	15.3	3.21	11.8	2.84
		0.8	0.0	21.5	3.17	20.8	3.17	19.4	3.15	18.8	3.14	16.7	3.04	15.3	2.95	11.8	2.62
		2.8	2.0	21.5	2.80	20.8	2.81	19.4	2.81	18.8	2.80	16.7	2.74	15.3	2.67	11.8	2.40
		6.0	5.0	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.33	16.7	2.32	15.3	2.28	11.8	2.09
		7.0	6.0	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.31	16.7	2.19	15.3	2.16	11.8	2.01
		8.6	7.5	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.31	16.7	2.10	15.3	1.99	11.8	1.87
		11.2	10.0	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.31	16.7	2.10	15.3	1.95	11.8	1.65
		16.4	15.0	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.31	16.7	2.10	15.3	1.95	11.8	1.59
		24.0	18.0	21.5	2.60	20.8	2.53	19.4	2.39	18.8	2.31	16.7	2.10	15.3	1.95	11.8	1.59
100%	40%	-24.9	-25.0	17.2	4.30	16.7	4.26	15.6	4.18	15.0	4.13	13.3	3.94	12.2	3.79	9.4	3.26
		-19.8	-20.0	17.2	4.05	16.7	4.02	15.6	3.95	15.0	3.91	13.3	3.74	12.2	3.60	9.4	3.13
		-14.7	-15.0	17.2	3.73	16.7	3.71	15.6	3.66	15.0	3.62	13.3	3.48	12.2	3.36	9.4	2.94
		-9.6	-10.0	17.2	3.34	16.7	3.33	15.6	3.29	15.0	3.27	13.3	3.16	12.2	3.06	9.4	2.70
		-4.4	-5.0	17.2	2.88	16.7	2.88	15.6	2.87	15.0	2.85	13.3	2.77	12.2	2.70	9.4	2.41
		-1.8	-2.5	17.2	2.60	16.7	2.61	15.6	2.61	15.0	2.60	13.3	2.55	12.2	2.49	9.4	2.24
		0.8	0.0	17.2	2.31	16.7	2.32	15.6	2.34	15.0	2.34	13.3	2.31	12.2	2.27	9.4	2.07
		2.8	2.0	17.2	2.16	16.7	2.10	15.6	2.08	15.0	2.08	13.3	2.08	12.2	2.06	9.4	1.90
		6.0	5.0	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.76	12.2	1.76	9.4	1.67
		7.0	6.0	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.75	12.2	1.67	9.4	1.59
		8.6	7.5	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.75	12.2	1.63	9.4	1.49
		11.2	10.0	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.75	12.2	1.63	9.4	1.34
		16.4	15.0	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.75	12.2	1.63	9.4	1.34
		24.0	18.0	17.2	2.16	16.7	2.10	15.6	1.98	15.0	1.92	13.3	1.75	12.2	1.63	9.4	1.34
100%	30%	-24.9	-25.0	12.9	3.14	12.5	3.13	11.7	3.09	11.3	3.06	10.0	2.94	9.2	2.84	7.1	2.49
		-19.8	-20.0	12.9	2.96	12.5	2.95	11.7	2.92	11.3	2.89	10.0	2.79	9.2	2.70	7.1	2.38
		-14.7	-15.0	12.9	2.72	12.5	2.72	11.7	2.69	11.3	2.68	10.0	2.59	9.2	2.51	7.1	2.23
		-9.6	-10.0	12.9	2.40	12.5	2.41	11.7	2.40	11.3	2.39	10.0	2.33	9.2	2.27	7.1	2.04
		-4.4	-5.0	12.9	2.03	12.5	2.04	11.7	2.06	11.3	2.06	10.0	2.03	9.2	2.00	7.1	1.82
		-1.8	-2.5	12.9	1.83	12.5	1.85	11.7	1.87	11.3	1.88	10.0	1.87	9.2	1.85	7.1	1.70
		0.8	0.0	12.9	1.71	12.5	1.66	11.7	1.68	11.3	1.69	10.0	1.70	9.2	1.69	7.1	1.58
		2.8	2.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.54	9.2	1.53	7.1	1.46
		6.0	5.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.32	7.1	1.29
		7.0	6.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.31	7.1	1.23
		8.6	7.5	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.31	7.1	1.15
		11.2	10.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.31	7.1	1.10
		16.4	15.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.31	7.1	1.10
		24.0	18.0	12.9	1.71	12.5	1.66	11.7	1.58	11.3	1.53	10.0	1.40	9.2	1.31	7.1	1.10

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-7. U-14ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	26.7	2.84	32.0	3.41	37.3	3.98	40.0	4.26	45.3	4.83	50.7	5.40	56.0	5.97
		-5.0	26.7	2.85	32.0	3.41	37.3	3.98	40.0	4.27	45.3	4.84	50.7	5.40	56.0	5.97
		0.0	26.7	2.85	32.0	3.42	37.3	3.99	40.0	4.27	45.3	4.84	50.7	5.42	56.0	5.99
		5.0	26.7	2.86	32.0	3.43	37.3	4.00	40.0	4.29	45.3	4.87	50.7	5.46	56.0	6.04
		10.0	26.7	2.87	32.0	3.45	37.3	4.04	40.0	4.34	45.3	4.95	50.7	5.57	56.0	6.16
		15.0	26.7	2.93	32.0	3.56	37.3	4.20	40.0	4.53	45.3	5.19	50.7	5.85	56.0	6.46
		20.0	26.7	3.28	32.0	4.01	37.3	4.85	40.0	5.31	45.3	6.29	50.7	7.36	56.0	8.53
		25.0	26.7	4.19	32.0	5.18	37.3	6.26	40.0	6.84	45.3	8.07	50.7	9.40	56.0	10.83
		30.0	26.7	5.26	32.0	6.48	37.3	7.81	40.0	8.51	45.3	10.00	50.7	11.59	56.0	13.29
		35.0	26.7	6.40	32.0	7.88	37.3	9.47	40.0	10.31	45.3	12.07	50.7	13.95	53.5	14.42
		40.0	26.7	7.63	32.0	9.38	37.3	11.26	40.0	12.24	45.3	14.31	47.4	14.42	49.5	14.42
		43.0	26.7	8.41	32.0	10.34	37.3	12.40	40.0	13.49	43.3	14.42	45.3	14.42	46.3	13.71
		46.0	26.4	9.14	31.7	11.25	33.7	11.44	34.0	11.13	34.9	10.62	36.1	10.22	37.5	9.90
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	24.0	2.29	28.8	2.88	33.6	3.45	36.0	3.73	40.8	4.28	45.6	4.81	50.4	5.34
		-5.0	24.0	2.30	28.8	2.88	33.6	3.45	36.0	3.73	40.8	4.28	45.6	4.82	50.4	5.34
		0.0	24.0	2.30	28.8	2.89	33.6	3.46	36.0	3.74	40.8	4.29	45.6	4.82	50.4	5.35
		5.0	24.0	2.31	28.8	2.90	33.6	3.47	36.0	3.75	40.8	4.30	45.6	4.84	50.4	5.37
		10.0	24.0	2.32	28.8	2.91	33.6	3.48	36.0	3.77	40.8	4.34	45.6	4.90	50.4	5.44
		15.0	24.0	2.35	28.8	2.96	33.6	3.57	36.0	3.87	40.8	4.47	45.6	5.05	50.4	5.62
		20.0	24.0	2.56	28.8	3.25	33.6	3.91	36.0	4.24	40.8	4.87	45.6	5.60	50.4	6.38
		25.0	24.0	3.39	28.8	4.20	33.6	5.03	36.0	5.46	40.8	6.33	45.6	7.23	50.4	8.16
		30.0	24.0	4.38	28.8	5.35	33.6	6.35	36.0	6.85	40.8	7.87	45.6	8.92	50.4	9.99
		35.0	24.0	5.60	28.8	6.79	33.6	7.98	36.0	8.58	40.8	9.80	45.6	11.06	50.4	12.36
		40.0	24.0	6.69	28.8	8.05	33.6	9.41	36.0	10.10	40.8	11.52	45.6	12.99	49.5	14.42
		43.0	24.0	7.36	28.8	8.83	33.6	10.31	36.0	11.06	40.8	12.61	45.3	14.42	46.3	13.71
		46.0	24.0	7.89	28.8	9.57	33.6	11.33	34.0	11.13	34.9	10.62	36.1	10.22	37.5	9.90
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	21.3	1.96	25.6	2.49	29.9	3.01	32.0	3.27	36.3	3.77	40.5	4.26	44.8	4.74
		-5.0	21.3	1.97	25.6	2.50	29.9	3.02	32.0	3.27	36.3	3.77	40.5	4.26	44.8	4.74
		0.0	21.3	1.97	25.6	2.50	29.9	3.02	32.0	3.28	36.3	3.78	40.5	4.27	44.8	4.75
		5.0	21.3	1.98	25.6	2.51	29.9	3.03	32.0	3.28	36.3	3.78	40.5	4.27	44.8	4.75
		10.0	21.3	1.99	25.6	2.52	29.9	3.04	32.0	3.29	36.3	3.80	40.5	4.29	44.8	4.78
		15.0	21.3	2.00	25.6	2.54	29.9	3.07	32.0	3.33	36.3	3.86	40.5	4.37	44.8	4.87
		20.0	21.3	2.10	25.6	2.68	29.9	3.24	32.0	3.52	36.3	4.07	40.5	4.60	44.8	5.12
		25.0	21.3	2.75	25.6	3.36	29.9	3.98	32.0	4.29	36.3	4.93	40.5	5.57	44.8	6.22
		30.0	21.3	3.61	25.6	4.37	29.9	5.13	32.0	5.51	36.3	6.28	40.5	7.05	44.8	7.82
		35.0	21.3	4.69	25.6	5.63	29.9	6.56	32.0	7.02	36.3	7.95	40.5	8.87	44.8	9.80
		40.0	21.3	5.65	25.6	6.74	29.9	7.82	32.0	8.35	36.3	9.42	40.5	10.49	44.8	11.57
		43.0	21.3	6.25	25.6	7.43	29.9	8.60	32.0	9.18	36.3	10.34	40.5	11.51	44.8	12.72
		46.0	21.3	6.67	25.6	7.98	29.9	9.32	32.0	10.01	34.9	10.62	36.1	10.22	37.5	9.90
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	18.7	1.63	22.4	2.10	26.1	2.56	28.0	2.79	31.7	3.24	35.5	3.68	39.2	4.11
		-5.0	18.7	1.63	22.4	2.11	26.1	2.57	28.0	2.80	31.7	3.25	35.5	3.69	39.2	4.12
		0.0	18.7	1.64	22.4	2.11	26.1	2.57	28.0	2.80	31.7	3.25	35.5	3.69	39.2	4.12
		5.0	18.7	1.64	22.4	2.12	26.1	2.58	28.0	2.81	31.7	3.26	35.5	3.70	39.2	4.13
		10.0	18.7	1.65	22.4	2.12	26.1	2.59	28.0	2.82	31.7	3.27	35.5	3.70	39.2	4.14
		15.0	18.7	1.66	22.4	2.13	26.1	2.60	28.0	2.83	31.7	3.28	35.5	3.73	39.2	4.17
		20.0	18.7	1.69	22.4	2.18	26.1	2.67	28.0	2.91	31.7	3.38	35.5	3.83	39.2	4.28
		25.0	18.7	2.07	22.4	2.58	26.1	3.06	28.0	3.30	31.7	3.76	35.5	4.21	39.2	4.64
		30.0	18.7	2.91	22.4	3.48	26.1	4.04	28.0	4.31	31.7	4.86	35.5	5.39	39.2	5.92
		35.0	18.7	3.84	22.4	4.56	26.1	5.27	28.0	5.61	31.7	6.29	35.5	6.96	39.2	7.61
		40.0	18.7	4.68	22.4	5.54	26.1	6.36	28.0	6.77	31.7	7.56	35.5	8.33	39.2	9.09
		43.0	18.7	5.20	22.4	6.14	26.1	7.04	28.0	7.48	31.7	8.34	35.5	9.19	39.2	10.02
		46.0	18.7	5.57	22.4	6.56	26.1	7.56	28.0	8.06	31.7	9.06	35.5	9.70	37.5	9.90
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-14ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	16.0	1.29	19.2	1.70	22.4	2.11	24.0	2.31	27.2	2.70	30.4	3.09	33.6	3.47
		-5.0	16.0	1.29	19.2	1.71	22.4	2.11	24.0	2.31	27.2	2.70	30.4	3.09	33.6	3.47
		0.0	16.0	1.30	19.2	1.71	22.4	2.11	24.0	2.31	27.2	2.71	30.4	3.10	33.6	3.48
		5.0	16.0	1.30	19.2	1.71	22.4	2.12	24.0	2.32	27.2	2.71	30.4	3.10	33.6	3.48
		10.0	16.0	1.31	19.2	1.72	22.4	2.13	24.0	2.33	27.2	2.72	30.4	3.11	33.6	3.49
		15.0	16.0	1.32	19.2	1.73	22.4	2.14	24.0	2.34	27.2	2.73	30.4	3.12	33.6	3.50
		20.0	16.0	1.33	19.2	1.74	22.4	2.15	24.0	2.36	27.2	2.76	30.4	3.15	33.6	3.53
		25.0	16.0	1.47	19.2	1.90	22.4	2.31	24.0	2.52	27.2	2.91	30.4	3.30	33.6	3.69
		30.0	16.0	2.28	19.2	2.68	22.4	3.07	24.0	3.26	27.2	3.62	30.4	3.97	33.6	4.30
		35.0	16.0	3.06	19.2	3.59	22.4	4.10	24.0	4.35	27.2	4.82	30.4	5.26	33.6	5.69
		40.0	16.0	3.78	19.2	4.43	22.4	5.04	24.0	5.33	27.2	5.90	30.4	6.44	33.6	6.95
		43.0	16.0	4.23	19.2	4.94	22.4	5.62	24.0	5.94	27.2	6.56	30.4	7.16	33.6	7.72
		46.0	16.0	4.58	19.2	5.31	22.4	6.02	24.0	6.37	27.2	7.06	30.4	7.73	33.6	8.38
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	13.3	0.95	16.0	1.29	18.7	1.64	20.0	1.81	22.7	2.15	25.3	2.48	28.0	2.80
		-5.0	13.3	0.95	16.0	1.30	18.7	1.64	20.0	1.81	22.7	2.15	25.3	2.48	28.0	2.80
		0.0	13.3	0.95	16.0	1.30	18.7	1.64	20.0	1.81	22.7	2.15	25.3	2.48	28.0	2.81
		5.0	13.3	0.95	16.0	1.30	18.7	1.65	20.0	1.82	22.7	2.15	25.3	2.49	28.0	2.81
		10.0	13.3	0.96	16.0	1.31	18.7	1.65	20.0	1.82	22.7	2.16	25.3	2.49	28.0	2.82
		15.0	13.3	0.96	16.0	1.32	18.7	1.66	20.0	1.83	22.7	2.17	25.3	2.50	28.0	2.82
		20.0	13.3	0.98	16.0	1.33	18.7	1.67	20.0	1.84	22.7	2.18	25.3	2.51	28.0	2.83
		25.0	13.3	1.01	16.0	1.37	18.7	1.71	20.0	1.88	22.7	2.22	25.3	2.55	28.0	2.87
		30.0	13.3	1.72	16.0	1.97	18.7	2.15	20.0	2.27	22.7	2.53	25.3	2.80	28.0	3.09
		35.0	13.3	2.35	16.0	2.72	18.7	3.07	20.0	3.23	22.7	3.52	25.3	3.80	28.0	4.05
		40.0	13.3	2.95	16.0	3.42	18.7	3.85	20.0	4.05	22.7	4.42	25.3	4.77	28.0	5.09
		43.0	13.3	3.32	16.0	3.84	18.7	4.32	20.0	4.55	22.7	4.97	25.3	5.37	28.0	5.73
		46.0	13.3	3.69	16.0	4.21	18.7	4.70	20.0	4.93	22.7	5.38	25.3	5.80	28.0	6.19
		52.0	11.5	3.91	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	10.7	0.59	12.8	0.88	14.9	1.16	16.0	1.30	18.1	1.57	20.3	1.84	22.4	2.11
		-5.0	10.7	0.60	12.8	0.88	14.9	1.16	16.0	1.30	18.1	1.57	20.3	1.85	22.4	2.11
		0.0	10.7	0.60	12.8	0.88	14.9	1.16	16.0	1.30	18.1	1.58	20.3	1.85	22.4	2.12
		5.0	10.7	0.60	12.8	0.88	14.9	1.17	16.0	1.30	18.1	1.58	20.3	1.85	22.4	2.12
		10.0	10.7	0.60	12.8	0.89	14.9	1.17	16.0	1.31	18.1	1.58	20.3	1.86	22.4	2.13
		15.0	10.7	0.61	12.8	0.89	14.9	1.18	16.0	1.31	18.1	1.59	20.3	1.86	22.4	2.13
		20.0	10.7	0.62	12.8	0.90	14.9	1.18	16.0	1.32	18.1	1.60	20.3	1.87	22.4	2.14
		25.0	10.7	0.64	12.8	0.92	14.9	1.20	16.0	1.34	18.1	1.61	20.3	1.88	22.4	2.16
		30.0	10.7	0.89	12.8	1.07	14.9	1.30	16.0	1.43	18.1	1.68	20.3	1.96	22.4	2.27
		35.0	10.7	1.72	12.8	1.96	14.9	2.17	16.0	2.26	18.1	2.43	20.3	2.64	22.4	2.90
		40.0	10.7	2.20	12.8	2.51	14.9	2.78	16.0	2.91	18.1	3.13	20.3	3.33	22.4	3.49
		43.0	10.7	2.49	12.8	2.85	14.9	3.17	16.0	3.31	18.1	3.57	20.3	3.80	22.4	4.00
		46.0	10.7	2.91	12.8	3.25	14.9	3.56	16.0	3.71	18.1	3.97	20.3	4.21	22.4	4.42
		52.0	10.7	3.46	12.5	3.95	13.7	4.03	14.4	4.07	15.9	4.18	17.5	4.30	19.3	4.43

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	8.0	0.24	9.6	0.45	11.2	0.67	12.0	0.78	13.6	0.99	15.2	1.20	16.8	1.41
		-5.0	8.0	0.24	9.6	0.45	11.2	0.67	12.0	0.78	13.6	0.99	15.2	1.20	16.8	1.41
		0.0	8.0	0.24	9.6	0.46	11.2	0.67	12.0	0.78	13.6	1.00	15.2	1.21	16.8	1.41
		5.0	8.0	0.24	9.6	0.46	11.2	0.67	12.0	0.78	13.6	1.00	15.2	1.21	16.8	1.42
		10.0	8.0	0.24	9.6	0.46	11.2	0.68	12.0	0.79	13.6	1.00	15.2	1.22	16.8	1.42
		15.0	8.0	0.25	9.6	0.46	11.2	0.68	12.0	0.79	13.6	1.01	15.2	1.22	16.8	1.43
		20.0	8.0	0.25	9.6	0.47	11.2	0.69	12.0	0.80	13.6	1.02	15.2	1.23	16.8	1.44
		25.0	8.0	0.26	9.6	0.48	11.2	0.70	12.0	0.81	13.6	1.03	15.2	1.25	16.8	1.48
		30.0	8.0	0.30	9.6	0.50	11.2	0.73	12.0	0.86	13.6	1.12	15.2	1.38	16.8	1.62
		35.0	8.0	1.16	9.6	1.30	11.2	1.46	12.0	1.57	13.6	1.78	15.2	1.99	16.8	2.19
		40.0	8.0	1.51	9.6	1.70	11.2	1.86	12.0	1.92	13.6	2.04	15.2	2.12	16.8	2.19
		43.0	8.0	1.73	9.6	1.96	11.2	2.14	12.0	2.22	13.6	2.36	15.2	2.47	16.8	2.55
		46.0	8.0	2.21	9.6	2.42	11.2	2.60	12.0	2.68	13.6	2.82	15.2	2.94	16.8	3.02
		52.0	8.0	2.61	9.6	2.88	11.2	3.12	12.0	3.23	13.6	3.34	15.2	3.39	16.8	3.42

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-8. U-14ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	31.6	10.78	30.8	10.59	29.1	10.18	28.3	9.97	25.7	9.28	23.9	8.77	19.2	7.35
		-19.8	-20.0	33.2	11.03	32.3	10.82	30.6	10.40	29.7	10.18	27.0	9.46	25.2	8.94	20.2	7.48
		-14.7	-15.0	35.4	11.40	34.5	11.19	32.7	10.74	31.8	10.51	28.9	9.75	26.9	9.20	21.7	7.66
		-9.6	-10.0	38.4	11.96	37.5	11.74	35.5	11.25	34.5	10.99	31.4	10.11	29.3	9.55	23.6	7.92
		-4.4	-5.0	42.4	12.40	41.3	12.18	39.2	11.71	38.1	11.45	34.6	10.61	32.3	9.99	26.0	8.26
		-1.8	-2.5	44.7	12.60	43.6	12.36	41.3	11.87	40.1	11.60	36.5	10.74	34.0	10.11	27.4	8.35
		0.8	0.0	47.3	12.78	46.1	12.54	43.7	12.02	42.5	11.74	38.7	10.86	36.0	10.21	28.3	8.13
		2.8	2.0	50.1	12.97	48.9	12.72	46.4	12.19	45.0	11.88	40.0	10.54	36.7	9.67	28.3	7.53
		6.0	5.0	51.7	11.90	50.0	11.51	46.7	10.74	45.0	10.36	40.0	9.23	36.7	8.48	28.3	6.65
		7.0	6.0	51.7	11.32	50.0	10.95	46.7	10.23	45.0	9.86	40.0	8.80	36.7	8.10	28.3	6.37
		8.6	7.5	51.7	10.45	50.0	10.12	46.7	9.47	45.0	9.14	40.0	8.18	36.7	7.54	28.3	5.97
		11.2	10.0	51.7	9.10	50.0	8.83	46.7	8.29	45.0	8.02	40.0	7.22	36.7	6.69	28.3	5.34
		16.4	15.0	51.7	6.74	50.0	6.57	46.7	6.22	45.0	6.04	40.0	5.49	36.7	5.12	28.3	4.14
		24.0	18.0	51.7	5.83	50.0	5.66	46.7	5.32	45.0	5.15	40.0	4.63	36.7	4.29	28.3	3.44

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	90%	-24.9	-25.0	31.6	10.78	30.8	10.59	29.1	10.18	28.3	9.97	25.7	9.28	23.9	8.77	19.2	7.35
		-19.8	-20.0	33.2	11.03	32.3	10.82	30.6	10.40	29.7	10.18	27.0	9.46	25.2	8.94	20.2	7.48
		-14.7	-15.0	35.4	11.40	34.5	11.19	32.7	10.74	31.8	10.51	28.9	9.75	26.9	9.20	21.7	7.66
		-9.6	-10.0	38.4	11.96	37.5	11.74	35.5	11.25	34.5	10.99	31.4	10.11	29.3	9.55	23.6	7.92
		-4.4	-5.0	42.4	12.40	41.3	12.18	39.2	11.71	38.1	11.45	34.6	10.61	32.3	9.99	25.5	7.78
		-1.8	-2.5	44.7	12.60	43.6	12.36	41.3	11.87	40.1	11.60	36.0	9.88	33.0	9.15	25.5	7.29
		0.8	0.0	46.5	11.39	45.0	11.07	42.0	10.43	40.5	10.11	36.0	9.13	33.0	8.47	25.5	6.78
		2.8	2.0	46.5	10.36	45.0	10.08	42.0	9.52	40.5	9.24	36.0	8.37	33.0	7.79	25.5	6.31
		6.0	5.0	46.5	8.98	45.0	8.78	42.0	8.36	40.5	8.14	36.0	7.45	33.0	6.95	25.5	5.61
		7.0	6.0	46.5	8.75	45.0	8.52	42.0	8.06	40.5	7.82	36.0	7.11	33.0	6.63	25.5	5.37
		8.6	7.5	46.5	8.03	45.0	7.83	42.0	7.43	40.5	7.22	36.0	6.59	33.0	6.16	25.5	5.03
		11.2	10.0	46.5	6.91	45.0	6.76	42.0	6.44	40.5	6.28	36.0	5.78	33.0	5.43	25.5	4.49
		16.4	15.0	46.5	5.30	45.0	5.15	42.0	4.84	40.5	4.69	36.0	4.31	33.0	4.08	25.5	3.43
		24.0	18.0	46.5	5.30	45.0	5.15	42.0	4.84	40.5	4.69	36.0	4.23	33.0	3.92	25.5	3.15

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	80%	-24.9	-25.0	31.6	10.78	30.8	10.59	29.1	10.18	28.3	9.97	25.7	9.28	23.9	8.77	19.2	7.35
		-19.8	-20.0	33.2	11.03	32.3	10.82	30.6	10.40	29.7	10.18	27.0	9.46	25.2	8.94	20.2	7.48
		-14.7	-15.0	35.4	11.40	34.5	11.19	32.7	10.74	31.8	10.51	28.9	9.75	26.9	9.20	21.7	7.66
		-9.6	-10.0	38.4	11.96	37.5	11.74	35.5	11.25	34.5	10.99	31.4	10.11	29.3	9.55	22.7	7.22
		-4.4	-5.0	41.3	10.19	40.0	9.96	37.3	9.48	36.0	9.23	32.0	8.46	29.3	7.91	22.7	6.47
		-1.8	-2.5	41.3	9.40	40.0	9.19	37.3	8.77	36.0	8.55	32.0	7.86	29.3	7.37	22.7	6.09
		0.8	0.0	41.3	8.54	40.0	8.38	37.3	8.05	36.0	7.87	32.0	7.29	29.3	6.87	22.7	5.70
		2.8	2.0	41.3	7.87	40.0	7.73	37.3	7.43	36.0	7.27	32.0	6.76	29.3	6.38	22.7	5.31
		6.0	5.0	41.3	6.91	40.0	6.80	37.3	6.56	36.0	6.42	32.0	5.98	29.3	5.65	22.7	4.70
		7.0	6.0	41.3	6.66	40.0	6.54	37.3	6.27	36.0	6.14	32.0	5.70	29.3	5.38	22.7	4.50
		8.6	7.5	41.3	6.07	40.0	5.97	37.3	5.75	36.0	5.63	32.0	5.26	29.3	4.98	22.7	4.21
		11.2	10.0	41.3	5.16	40.0	5.09	37.3	4.94	36.0	4.86	32.0	4.58	29.3	4.37	22.7	3.74
		16.4	15.0	41.3	4.77	40.0	4.63	37.3	4.36	36.0	4.23	32.0	3.82	29.3	3.55	22.7	2.87
		24.0	18.0	41.3	4.77	40.0	4.63	37.3	4.36	36.0	4.23	32.0	3.82	29.3	3.55	22.7	2.87

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	70%	-24.9	-25.0	31.6	10.78	30.8	10.59	29.1	10.18	28.3	9.97	25.7	9.28	23.9	8.77	19.2	7.35
		-19.8	-20.0	33.2	11.03	32.3	10.82	30.6	10.40	29.7	10.18	27.0	9.46	25.2	8.94	19.8	6.79
		-14.7	-15.0	35.4	11.40	34.5	11.19	32.7	9.29	31.5	9.08	28.0	8.39	25.7	7.90	19.8	6.50
		-9.6	-10.0	36.2	8.87	35.0	8.71	32.7	8.37	31.5	8.19	28.0	7.61	25.7	7.18	19.8	6.02
		-4.4	-5.0	36.2	7.76	35.0	7.65	32.7	7.40	31.5	7.26	28.0	6.80	25.7	6.45	19.8	5.43
		-1.8	-2.5	36.2	7.21	35.0	7.11	32.7	6.89	31.5	6.77	28.0	6.36	25.7	6.04	19.8	5.11
		0.8	0.0	36.2	6.64	35.0	6.55	32.7	6.36	31.5	6.26	28.0	5.89	25.7	5.61	19.8	4.77
		2.8	2.0	36.2	6.07	35.0	6.00	32.7	5.84	31.5	5.75	28.0	5.44	25.7	5.19	19.8	4.43
		6.0	5.0	36.2	5.25	35.0	5.21	32.7	5.09	31.5	5.02	28.0	4.76	25.7	4.55	19.8	3.89
		7.0	6.0	36.2	4.99	35.0	4.94	32.7	4.82	31.5	4.75	28.0	4.52	25.7	4.33	19.8	3.74
		8.6	7.5	36.2	4.52	35.0	4.49	32.7	4.40	31.5	4.35	28.0	4.16	25.7	4.00	19.8	3.50
		11.2	10.0	36.2	4.24	35.0	4.12	32.7	3.89	31.5	3.77	28.0	3.60	25.7	3.49	19.8	3.10
		16.4	15.0	36.2	4.24	35.0	4.12	32.7	3.89	31.5	3.77	28.0	3.41	25.7	3.17	19.8	2.58
		24.0	18.0	36.2	4.24	35.0	4.12	32.7	3.89	31.5	3.77	28.0	3.41	25.7	3.17	19.8	2.58

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-14ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	31.0	8.72	30.0	8.58	28.0	8.29	27.0	8.12	24.0	7.58	22.0	7.15	17.0	5.88
		-19.8	-20.0	31.0	8.19	30.0	8.07	28.0	7.81	27.0	7.67	24.0	7.21	22.0	6.85	17.0	5.71
		-14.7	-15.0	31.0	7.60	30.0	7.50	28.0	7.28	27.0	7.16	24.0	6.74	22.0	6.41	17.0	5.44
		-9.6	-10.0	31.0	6.89	30.0	6.81	28.0	6.63	27.0	6.53	24.0	6.17	22.0	5.88	17.0	5.02
		-4.4	-5.0	31.0	6.06	30.0	6.00	28.0	5.86	27.0	5.78	24.0	5.49	22.0	5.25	17.0	4.52
		-1.8	-2.5	31.0	5.60	30.0	5.55	28.0	5.44	27.0	5.37	24.0	5.11	22.0	4.91	17.0	4.25
		0.8	0.0	31.0	5.12	30.0	5.08	28.0	5.00	27.0	4.94	24.0	4.73	22.0	4.55	17.0	3.96
		2.8	2.0	31.0	4.64	30.0	4.62	28.0	4.56	27.0	4.52	24.0	4.35	22.0	4.19	17.0	3.67
		6.0	5.0	31.0	3.95	30.0	3.94	28.0	3.90	27.0	3.87	24.0	3.75	22.0	3.63	17.0	3.20
		7.0	6.0	31.0	3.72	30.0	3.70	28.0	3.67	27.0	3.65	24.0	3.55	22.0	3.45	17.0	3.09
		8.6	7.5	31.0	3.72	30.0	3.61	28.0	3.41	27.0	3.33	24.0	3.26	22.0	3.18	17.0	2.88
		11.2	10.0	31.0	3.72	30.0	3.61	28.0	3.41	27.0	3.31	24.0	3.00	22.0	2.80	17.0	2.56
		16.4	15.0	31.0	3.72	30.0	3.61	28.0	3.41	27.0	3.31	24.0	3.00	22.0	2.80	17.0	2.29
		24.0	18.0	31.0	3.72	30.0	3.61	28.0	3.41	27.0	3.31	24.0	3.00	22.0	2.80	17.0	2.29
100%	50%	-24.9	-25.0	25.8	6.78	25.0	6.70	23.3	6.53	22.5	6.43	20.0	6.09	18.3	5.82	14.2	4.86
		-19.8	-20.0	25.8	6.41	25.0	6.35	23.3	6.20	22.5	6.11	20.0	5.79	18.3	5.54	14.2	4.75
		-14.7	-15.0	25.8	5.94	25.0	5.89	23.3	5.76	22.5	5.69	20.0	5.41	18.3	5.18	14.2	4.48
		-9.6	-10.0	25.8	5.36	25.0	5.32	23.3	5.22	22.5	5.16	20.0	4.94	18.3	4.74	14.2	4.12
		-4.4	-5.0	25.8	4.68	25.0	4.65	23.3	4.59	22.5	4.55	20.0	4.38	18.3	4.22	14.2	3.71
		-1.8	-2.5	25.8	4.30	25.0	4.29	23.3	4.24	22.5	4.21	20.0	4.07	18.3	3.94	14.2	3.48
		0.8	0.0	25.8	3.91	25.0	3.91	23.3	3.89	22.5	3.86	20.0	3.75	18.3	3.65	14.2	3.25
		2.8	2.0	25.8	3.53	25.0	3.54	23.3	3.52	22.5	3.51	20.0	3.42	18.3	3.33	14.2	2.99
		6.0	5.0	25.8	3.19	25.0	3.10	23.3	2.94	22.5	2.94	20.0	2.91	18.3	2.86	14.2	2.61
		7.0	6.0	25.8	3.19	25.0	3.10	23.3	2.93	22.5	2.85	20.0	2.76	18.3	2.72	14.2	2.52
		8.6	7.5	25.8	3.19	25.0	3.10	23.3	2.93	22.5	2.85	20.0	2.59	18.3	2.51	14.2	2.35
		11.2	10.0	25.8	3.19	25.0	3.10	23.3	2.93	22.5	2.85	20.0	2.59	18.3	2.42	14.2	2.09
		16.4	15.0	25.8	3.19	25.0	3.10	23.3	2.93	22.5	2.85	20.0	2.59	18.3	2.42	14.2	2.00
		24.0	18.0	25.8	3.19	25.0	3.10	23.3	2.93	22.5	2.85	20.0	2.59	18.3	2.42	14.2	2.00
100%	40%	-24.9	-25.0	20.7	5.21	20.0	5.17	18.7	5.07	18.0	5.01	16.0	4.78	14.7	4.60	11.3	3.96
		-19.8	-20.0	20.7	4.92	20.0	4.89	18.7	4.81	18.0	4.75	16.0	4.55	14.7	4.38	11.3	3.82
		-14.7	-15.0	20.7	4.54	20.0	4.52	18.7	4.46	18.0	4.41	16.0	4.24	14.7	4.09	11.3	3.59
		-9.6	-10.0	20.7	4.09	20.0	4.07	18.7	4.03	18.0	4.00	16.0	3.86	14.7	3.74	11.3	3.31
		-4.4	-5.0	20.7	3.55	20.0	3.55	18.7	3.53	18.0	3.51	16.0	3.42	14.7	3.33	11.3	2.98
		-1.8	-2.5	20.7	3.26	20.0	3.26	18.7	3.26	18.0	3.25	16.0	3.17	14.7	3.09	11.3	2.79
		0.8	0.0	20.7	2.92	20.0	2.93	18.7	2.94	18.0	2.94	16.0	2.89	14.7	2.84	11.3	2.59
		2.8	2.0	20.7	2.66	20.0	2.60	18.7	2.63	18.0	2.63	16.0	2.62	14.7	2.58	11.3	2.39
		6.0	5.0	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.24	14.7	2.23	11.3	2.10
		7.0	6.0	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.18	14.7	2.12	11.3	2.02
		8.6	7.5	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.18	14.7	2.05	11.3	1.89
		11.2	10.0	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.18	14.7	2.05	11.3	1.71
		16.4	15.0	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.18	14.7	2.05	11.3	1.71
		24.0	18.0	20.7	2.66	20.0	2.59	18.7	2.46	18.0	2.39	16.0	2.18	14.7	2.05	11.3	1.71
100%	30%	-24.9	-25.0	15.5	3.84	15.0	3.83	14.0	3.77	13.5	3.74	12.0	3.60	11.0	3.48	8.5	3.06
		-19.8	-20.0	15.5	3.63	15.0	3.62	14.0	3.58	13.5	3.55	12.0	3.43	11.0	3.31	8.5	2.94
		-14.7	-15.0	15.5	3.35	15.0	3.34	14.0	3.32	13.5	3.29	12.0	3.20	11.0	3.10	8.5	2.77
		-9.6	-10.0	15.5	3.00	15.0	3.00	14.0	2.99	13.5	2.98	12.0	2.90	11.0	2.83	8.5	2.55
		-4.4	-5.0	15.5	2.56	15.0	2.57	14.0	2.58	13.5	2.58	12.0	2.55	11.0	2.50	8.5	2.29
		-1.8	-2.5	15.5	2.33	15.0	2.34	14.0	2.36	13.5	2.37	12.0	2.35	11.0	2.32	8.5	2.14
		0.8	0.0	15.5	2.13	15.0	2.11	14.0	2.14	13.5	2.15	12.0	2.15	11.0	2.13	8.5	2.00
		2.8	2.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.94	12.0	1.96	11.0	1.95	8.5	1.85
		6.0	5.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.70	8.5	1.65
		7.0	6.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.67	8.5	1.59
		8.6	7.5	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.67	8.5	1.50
		11.2	10.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.67	8.5	1.42
		16.4	15.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.67	8.5	1.42
		24.0	18.0	15.5	2.13	15.0	2.08	14.0	1.98	13.5	1.93	12.0	1.78	11.0	1.67	8.5	1.42

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-9. U-16ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	30.0	3.55	36.0	4.26	42.0	4.97	45.0	5.33	51.0	6.04	57.0	6.75	63.0	7.46
		-5.0	30.0	3.56	36.0	4.27	42.0	4.98	45.0	5.33	51.0	6.04	57.0	6.75	63.0	7.46
		0.0	30.0	3.56	36.0	4.27	42.0	4.99	45.0	5.34	51.0	6.05	57.0	6.77	63.0	7.48
		5.0	30.0	3.57	36.0	4.28	42.0	4.99	45.0	5.35	51.0	6.08	57.0	6.81	63.0	7.54
		10.0	30.0	3.58	36.0	4.30	42.0	5.04	45.0	5.42	51.0	6.17	57.0	6.93	63.0	7.67
		15.0	30.0	3.65	36.0	4.43	42.0	5.22	45.0	5.62	51.0	6.43	57.0	7.25	63.0	8.01
		20.0	30.0	4.03	36.0	4.93	42.0	5.98	45.0	6.55	51.0	7.78	57.0	9.12	63.0	10.58
		25.0	30.0	5.16	36.0	6.39	42.0	7.75	45.0	8.47	51.0	10.01	57.0	11.67	63.0	13.46
		30.0	30.0	6.49	36.0	8.02	42.0	9.68	45.0	10.56	51.0	12.42	57.0	14.41	63.0	16.54
		35.0	30.0	7.92	36.0	9.77	42.0	11.76	45.0	12.81	51.0	15.02	57.0	17.37	60.2	17.92
		40.0	30.0	9.46	36.0	11.65	42.0	14.00	45.0	15.23	51.0	17.82	53.3	17.92	55.6	17.92
		43.0	30.0	10.44	36.0	12.85	42.0	15.43	45.0	16.79	48.6	17.92	51.0	17.92	52.1	17.07
		46.0	29.7	11.35	35.6	13.98	37.9	14.23	38.3	13.84	39.3	13.20	40.6	12.70	42.1	12.30
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	27.0	2.87	32.4	3.60	37.8	4.31	40.5	4.66	45.9	5.35	51.3	6.02	56.7	6.67
		-5.0	27.0	2.88	32.4	3.61	37.8	4.32	40.5	4.67	45.9	5.35	51.3	6.03	56.7	6.68
		0.0	27.0	2.88	32.4	3.61	37.8	4.33	40.5	4.68	45.9	5.36	51.3	6.03	56.7	6.69
		5.0	27.0	2.89	32.4	3.62	37.8	4.33	40.5	4.68	45.9	5.37	51.3	6.05	56.7	6.71
		10.0	27.0	2.90	32.4	3.63	37.8	4.35	40.5	4.71	45.9	5.42	51.3	6.11	56.7	6.79
		15.0	27.0	2.93	32.4	3.69	37.8	4.45	40.5	4.82	45.9	5.56	51.3	6.28	56.7	6.99
		20.0	27.0	3.17	32.4	4.01	37.8	4.83	40.5	5.23	45.9	6.01	51.3	6.92	56.7	7.89
		25.0	27.0	4.15	32.4	5.16	37.8	6.21	40.5	6.74	45.9	7.84	51.3	8.97	56.7	10.12
		30.0	27.0	5.39	32.4	6.61	37.8	7.85	40.5	8.48	45.9	9.76	51.3	11.07	56.7	12.41
		35.0	27.0	6.92	32.4	8.40	37.8	9.90	40.5	10.65	45.9	12.18	51.3	13.75	56.7	15.38
		40.0	27.0	8.28	32.4	9.98	37.8	11.69	40.5	12.56	45.9	14.32	51.3	16.16	55.6	17.92
		43.0	27.0	9.12	32.4	10.96	37.8	12.81	40.5	13.75	45.9	15.69	51.0	17.92	52.1	17.07
		46.0	27.0	9.78	32.4	11.89	37.8	14.09	38.3	13.84	39.3	13.20	40.6	12.70	42.1	12.30
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	24.0	2.46	28.8	3.12	33.6	3.77	36.0	4.09	40.8	4.71	45.6	5.32	50.4	5.92
		-5.0	24.0	2.46	28.8	3.13	33.6	3.77	36.0	4.09	40.8	4.72	45.6	5.33	50.4	5.93
		0.0	24.0	2.47	28.8	3.13	33.6	3.78	36.0	4.10	40.8	4.72	45.6	5.34	50.4	5.94
		5.0	24.0	2.48	28.8	3.14	33.6	3.79	36.0	4.11	40.8	4.73	45.6	5.34	50.4	5.94
		10.0	24.0	2.49	28.8	3.15	33.6	3.80	36.0	4.11	40.8	4.74	45.6	5.36	50.4	5.97
		15.0	24.0	2.50	28.8	3.17	33.6	3.83	36.0	4.16	40.8	4.81	45.6	5.45	50.4	6.07
		20.0	24.0	2.61	28.8	3.32	33.6	4.03	36.0	4.37	40.8	5.05	45.6	5.70	50.4	6.34
		25.0	24.0	3.34	28.8	4.11	33.6	4.89	36.0	5.28	40.8	6.08	45.6	6.88	50.4	7.70
		30.0	24.0	4.42	28.8	5.38	33.6	6.33	36.0	6.81	40.8	7.77	45.6	8.73	50.4	9.69
		35.0	24.0	5.77	28.8	6.95	33.6	8.12	36.0	8.70	40.8	9.86	45.6	11.02	50.4	12.18
		40.0	24.0	6.98	28.8	8.35	33.6	9.69	36.0	10.36	40.8	11.70	45.6	13.04	50.4	14.39
		43.0	24.0	7.73	28.8	9.21	33.6	10.67	36.0	11.40	40.8	12.85	45.6	14.32	50.4	15.82
		46.0	24.0	8.26	28.8	9.90	33.6	11.58	36.0	12.44	39.3	13.20	40.6	12.70	42.1	12.30
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	21.0	2.04	25.2	2.63	29.4	3.21	31.5	3.50	35.7	4.06	39.9	4.61	44.1	5.14
		-5.0	21.0	2.05	25.2	2.64	29.4	3.21	31.5	3.50	35.7	4.06	39.9	4.61	44.1	5.15
		0.0	21.0	2.05	25.2	2.64	29.4	3.22	31.5	3.50	35.7	4.07	39.9	4.62	44.1	5.15
		5.0	21.0	2.06	25.2	2.65	29.4	3.23	31.5	3.51	35.7	4.07	39.9	4.62	44.1	5.16
		10.0	21.0	2.06	25.2	2.66	29.4	3.24	31.5	3.52	35.7	4.08	39.9	4.63	44.1	5.17
		15.0	21.0	2.08	25.2	2.67	29.4	3.25	31.5	3.53	35.7	4.10	39.9	4.66	44.1	5.21
		20.0	21.0	2.11	25.2	2.72	29.4	3.33	31.5	3.62	35.7	4.20	39.9	4.77	44.1	5.33
		25.0	21.0	2.53	25.2	3.16	29.4	3.76	31.5	4.06	35.7	4.63	39.9	5.19	44.1	5.73
		30.0	21.0	3.55	25.2	4.26	29.4	4.96	31.5	5.31	35.7	5.99	39.9	6.66	44.1	7.32
		35.0	21.0	4.71	25.2	5.62	29.4	6.50	31.5	6.93	35.7	7.78	39.9	8.61	44.1	9.43
		40.0	21.0	5.77	25.2	6.84	29.4	7.87	31.5	8.38	35.7	9.37	39.9	10.34	44.1	11.29
		43.0	21.0	6.42	25.2	7.59	29.4	8.72	31.5	9.27	35.7	10.35	39.9	11.41	44.1	12.45
		46.0	21.0	6.88	25.2	8.12	29.4	9.37	31.5	9.99	35.7	11.25	39.9	12.05	42.1	12.30
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-16ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	18.0	1.62	21.6	2.13	25.2	2.64	27.0	2.89	30.6	3.38	34.2	3.86	37.8	4.34
		-5.0	18.0	1.62	21.6	2.14	25.2	2.64	27.0	2.89	30.6	3.38	34.2	3.87	37.8	4.34
		0.0	18.0	1.63	21.6	2.14	25.2	2.65	27.0	2.90	30.6	3.39	34.2	3.87	37.8	4.35
		5.0	18.0	1.63	21.6	2.15	25.2	2.65	27.0	2.90	30.6	3.39	34.2	3.88	37.8	4.35
		10.0	18.0	1.64	21.6	2.15	25.2	2.66	27.0	2.91	30.6	3.40	34.2	3.89	37.8	4.36
		15.0	18.0	1.65	21.6	2.16	25.2	2.67	27.0	2.92	30.6	3.41	34.2	3.90	37.8	4.37
		20.0	18.0	1.66	21.6	2.18	25.2	2.69	27.0	2.94	30.6	3.44	34.2	3.93	37.8	4.41
		25.0	18.0	1.82	21.6	2.35	25.2	2.87	27.0	3.12	30.6	3.62	34.2	4.10	37.8	4.58
		30.0	18.0	2.75	21.6	3.26	25.2	3.75	27.0	3.99	30.6	4.44	34.2	4.87	37.8	5.29
		35.0	18.0	3.73	21.6	4.40	25.2	5.04	27.0	5.34	30.6	5.93	34.2	6.49	37.8	7.03
		40.0	18.0	4.64	21.6	5.45	25.2	6.21	27.0	6.58	30.6	7.29	34.2	7.96	37.8	8.61
		43.0	18.0	5.20	21.6	6.09	25.2	6.94	27.0	7.34	30.6	8.12	34.2	8.87	37.8	9.58
		46.0	18.0	5.64	21.6	6.56	25.2	7.45	27.0	7.89	30.6	8.74	34.2	9.58	37.8	10.40
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	15.0	1.19	18.0	1.62	21.0	2.05	22.5	2.27	25.5	2.69	28.5	3.10	31.5	3.50
		-5.0	15.0	1.19	18.0	1.63	21.0	2.06	22.5	2.27	25.5	2.69	28.5	3.10	31.5	3.51
		0.0	15.0	1.19	18.0	1.63	21.0	2.06	22.5	2.27	25.5	2.69	28.5	3.11	31.5	3.51
		5.0	15.0	1.20	18.0	1.63	21.0	2.06	22.5	2.28	25.5	2.70	28.5	3.11	31.5	3.52
		10.0	15.0	1.20	18.0	1.64	21.0	2.07	22.5	2.28	25.5	2.70	28.5	3.12	31.5	3.52
		15.0	15.0	1.21	18.0	1.65	21.0	2.08	22.5	2.29	25.5	2.71	28.5	3.12	31.5	3.53
		20.0	15.0	1.22	18.0	1.66	21.0	2.09	22.5	2.31	25.5	2.72	28.5	3.14	31.5	3.54
		25.0	15.0	1.26	18.0	1.70	21.0	2.13	22.5	2.35	25.5	3.11	28.5	3.18	31.5	3.59
		30.0	15.0	2.05	18.0	2.38	21.0	2.62	22.5	2.78	25.5	3.11	28.5	3.46	31.5	3.83
		35.0	15.0	2.84	18.0	3.31	21.0	3.74	22.5	3.94	25.5	4.31	28.5	4.66	31.5	4.97
		40.0	15.0	3.60	18.0	4.18	21.0	4.72	22.5	4.97	25.5	5.44	28.5	5.87	31.5	6.27
		43.0	15.0	4.06	18.0	4.72	21.0	5.32	22.5	5.60	25.5	6.13	28.5	6.62	31.5	7.07
		46.0	15.0	4.53	18.0	5.18	21.0	5.79	22.5	6.08	25.5	6.64	28.5	7.16	31.5	7.66
		52.0	12.9	4.81	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	12.0	0.75	14.4	1.10	16.8	1.45	18.0	1.63	20.4	1.97	22.8	2.31	25.2	2.65
		-5.0	12.0	0.75	14.4	1.11	16.8	1.46	18.0	1.63	20.4	1.97	22.8	2.31	25.2	2.65
		0.0	12.0	0.75	14.4	1.11	16.8	1.46	18.0	1.63	20.4	1.98	22.8	2.32	25.2	2.65
		5.0	12.0	0.75	14.4	1.11	16.8	1.46	18.0	1.64	20.4	1.98	22.8	2.32	25.2	2.66
		10.0	12.0	0.76	14.4	1.11	16.8	1.47	18.0	1.64	20.4	1.98	22.8	2.32	25.2	2.66
		15.0	12.0	0.76	14.4	1.12	16.8	1.47	18.0	1.65	20.4	1.99	22.8	2.33	25.2	2.67
		20.0	12.0	0.77	14.4	1.13	16.8	1.48	18.0	1.66	20.4	2.00	22.8	2.34	25.2	2.68
		25.0	12.0	0.80	14.4	1.15	16.8	1.50	18.0	1.67	20.4	2.01	22.8	2.35	25.2	2.70
		30.0	12.0	1.08	14.4	1.32	16.8	1.62	18.0	1.77	20.4	2.09	22.8	2.44	25.2	2.82
		35.0	12.0	2.05	14.4	2.35	16.8	2.61	18.0	2.73	20.4	2.94	22.8	3.20	25.2	3.53
		40.0	12.0	2.65	14.4	3.04	16.8	3.38	18.0	3.54	20.4	3.82	22.8	4.07	25.2	4.27
		43.0	12.0	3.02	14.4	3.47	16.8	3.86	18.0	4.05	20.4	4.37	22.8	4.66	25.2	4.91
		46.0	12.0	3.55	14.4	3.98	16.8	4.37	18.0	4.55	20.4	4.89	22.8	5.18	25.2	5.45
		52.0	12.0	4.24	14.1	4.86	15.5	4.95	16.2	5.01	17.9	5.14	19.7	5.29	21.7	5.45

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	9.0	0.30	10.8	0.57	12.6	0.84	13.5	0.98	15.3	1.24	17.1	1.51	18.9	1.76
		-5.0	9.0	0.30	10.8	0.57	12.6	0.84	13.5	0.98	15.3	1.25	17.1	1.51	18.9	1.77
		0.0	9.0	0.30	10.8	0.57	12.6	0.85	13.5	0.98	15.3	1.25	17.1	1.51	18.9	1.77
		5.0	9.0	0.30	10.8	0.58	12.6	0.85	13.5	0.98	15.3	1.25	17.1	1.52	18.9	1.78
		10.0	9.0	0.31	10.8	0.58	12.6	0.85	13.5	0.99	15.3	1.26	17.1	1.52	18.9	1.78
		15.0	9.0	0.31	10.8	0.58	12.6	0.86	13.5	0.99	15.3	1.26	17.1	1.53	18.9	1.79
		20.0	9.0	0.32	10.8	0.59	12.6	0.86	13.5	1.00	15.3	1.28	17.1	1.54	18.9	1.80
		25.0	9.0	0.33	10.8	0.60	12.6	0.88	13.5	1.02	15.3	1.29	17.1	1.57	18.9	1.84
		30.0	9.0	0.37	10.8	0.63	12.6	0.91	13.5	1.07	15.3	1.39	17.1	1.70	18.9	2.00
		35.0	9.0	1.35	10.8	1.52	12.6	1.72	13.5	1.86	15.3	2.12	17.1	2.38	18.9	2.64
		40.0	9.0	1.79	10.8	2.03	12.6	2.22	13.5	2.31	15.3	2.45	17.1	2.56	18.9	2.64
		43.0	9.0	2.07	10.8	2.35	12.6	2.58	13.5	2.68	15.3	2.85	17.1	2.99	18.9	3.09
		46.0	9.0	2.68	10.8	2.94	12.6	3.17	13.5	3.27	15.3	3.44	17.1	3.58	18.9	3.70
		52.0	9.0	3.18	10.8	3.52	12.6	3.82	13.5	3.96	15.3	4.09	17.1	4.16	18.9	4.19

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-10. U-16ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB															
				16.0		17.0		19.0		20.0		23.0		25.0		30.0			
				TC	PI	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	kW	kW		
100%	100%	-24.9	-25.0	34.1	11.58	33.2	11.38	31.5	10.96	30.6	10.74	27.9	10.02	26.0	9.49	21.0	7.99		
		-19.8	-20.0	35.7	11.81	34.9	11.61	33.1	11.17	32.2	10.95	29.3	10.20	27.4	9.66	22.1	8.11		
		-14.7	-15.0	38.1	12.18	37.2	11.96	35.3	11.51	34.3	11.27	31.3	10.48	29.2	9.91	23.7	8.30		
		-9.6	-10.0	41.3	12.73	40.3	12.47	38.3	11.98	37.3	11.72	34.0	10.88	31.8	10.28	25.8	8.57		
		-4.4	-5.0	45.5	13.35	44.4	13.12	42.2	12.62	41.1	12.35	37.5	11.45	35.0	10.79	28.4	8.94		
		-1.8	-2.5	48.0	13.60	46.9	13.36	44.5	12.84	43.3	12.56	39.6	11.64	36.9	10.97	29.9	9.09		
		0.8	0.0	50.8	13.82	49.6	13.56	47.1	13.02	45.8	12.73	41.8	11.78	39.1	11.09	31.5	9.09		
		2.8	2.0	53.8	14.01	52.5	13.75	49.9	13.18	48.5	12.88	44.4	11.92	40.7	10.91	31.5	8.42		
		6.0	5.0	57.4	13.75	55.6	13.27	51.9	12.32	50.0	11.86	44.4	10.49	40.7	9.60	31.5	7.46		
		7.0	6.0	57.4	13.09	55.6	12.64	51.9	11.75	50.0	11.30	44.4	10.01	40.7	9.17	31.5	7.15		
		8.6	7.5	57.4	12.12	55.6	11.70	51.9	10.89	50.0	10.49	44.4	9.32	40.7	8.56	31.5	6.71		
		11.2	10.0	57.4	10.58	55.6	10.23	51.9	9.55	50.0	9.22	44.4	8.24	40.7	7.59	31.5	6.01		
		16.4	15.0	57.4	7.89	55.6	7.67	51.9	7.22	50.0	7.00	44.4	6.32	40.7	5.87	31.5	4.72		
		24.0	18.0	57.4	6.46	55.6	6.28	51.9	5.92	50.0	5.74	44.4	5.18	40.7	4.80	31.5	3.84		

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB															
				16.0		17.0		19.0		20.0		23.0		25.0		30.0			
				TC	PI	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	kW	kW		
100%	90%	-24.9	-25.0	34.1	11.58	33.2	11.38	31.5	10.96	30.6	10.74	27.9	10.02	26.0	9.49	21.0	7.99		
		-19.8	-20.0	35.7	11.81	34.9	11.61	33.1	11.17	32.2	10.95	29.3	10.20	27.4	9.66	22.1	8.11		
		-14.7	-15.0	38.1	12.18	37.2	11.96	35.3	11.51	34.3	11.27	31.3	10.48	29.2	9.91	23.7	8.30		
		-9.6	-10.0	41.3	12.73	40.3	12.47	38.3	11.98	37.3	11.72	34.0	10.88	31.8	10.28	25.8	8.57		
		-4.4	-5.0	45.5	13.35	44.4	13.12	42.2	12.62	41.1	12.35	37.5	11.45	35.0	10.79	28.3	8.94		
		-1.8	-2.5	48.0	13.60	46.9	13.36	44.5	12.84	43.3	12.56	39.6	11.64	36.7	10.97	28.3	8.12		
		0.8	0.0	50.8	13.82	49.6	13.56	46.7	11.85	45.0	11.46	40.0	10.29	36.7	9.51	28.3	7.55		
		2.8	2.0	51.7	11.88	50.0	11.54	46.7	10.84	45.0	10.50	40.0	9.43	36.7	8.78	28.3	7.08		
		6.0	5.0	51.7	10.33	50.0	10.08	46.7	9.57	45.0	9.30	40.0	8.48	36.7	7.86	28.3	6.30		
		7.0	6.0	51.7	10.13	50.0	9.83	46.7	9.25	45.0	8.96	40.0	8.09	36.7	7.50	28.3	6.03		
		8.6	7.5	51.7	9.32	50.0	9.06	46.7	8.54	45.0	8.28	40.0	7.50	36.7	6.98	28.3	5.65		
		11.2	10.0	51.7	8.05	50.0	7.84	46.7	7.43	45.0	7.23	40.0	6.60	36.7	6.17	28.3	5.06		
		16.4	15.0	51.7	5.85	50.0	5.73	46.7	5.49	45.0	5.37	40.0	4.97	36.7	4.69	28.3	3.92		
		24.0	18.0	51.7	5.78	50.0	5.61	46.7	5.29	45.0	5.12	40.0	4.63	36.7	4.31	28.3	3.49		

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB															
				16.0		17.0		19.0		20.0		23.0		25.0		30.0			
				TC	PI	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	kW	kW		
100%	80%	-24.9	-25.0	34.1	11.58	33.2	11.38	31.5	10.96	30.6	10.74	27.9	10.02	26.0	9.49	21.0	7.99		
		-19.8	-20.0	35.7	11.81	34.9	11.61	33.1	11.17	32.2	10.95	29.3	10.20	27.4	9.66	22.1	8.11		
		-14.7	-15.0	38.1	12.18	37.2	11.96	35.3	11.51	34.3	11.27	31.3	10.48	29.2	9.91	23.7	8.30		
		-9.6	-10.0	41.3	12.73	40.3	12.47	38.3	11.98	37.3	11.72	34.0	10.88	31.8	10.28	25.2	8.57		
		-4.4	-5.0	45.5	13.35	44.4	13.12	41.5	10.68	40.0	10.38	35.6	9.46	32.6	8.83	25.2	7.18		
		-1.8	-2.5	45.9	10.67	44.4	10.42	41.5	9.90	40.0	9.63	35.6	8.81	32.6	8.24	25.2	6.78		
		0.8	0.0	45.9	9.75	44.4	9.51	41.5	9.10	40.0	8.89	35.6	8.20	32.6	7.71	25.2	6.36		
		2.8	2.0	45.9	8.97	44.4	8.80	41.5	8.43	40.0	8.24	35.6	7.62	32.6	7.17	25.2	5.94		
		6.0	5.0	45.9	7.93	44.4	7.79	41.5	7.49	40.0	7.32	35.6	6.80	32.6	6.39	25.2	5.28		
		7.0	6.0	45.9	7.72	44.4	7.55	41.5	7.21	40.0	7.03	35.6	6.48	32.6	6.09	25.2	5.06		
		8.6	7.5	45.9	7.05	44.4	6.91	41.5	6.62	40.0	6.47	35.6	5.99	32.6	5.65	25.2	4.73		
		11.2	10.0	45.9	6.02	44.4	5.92	41.5	5.71	40.0	5.59	35.6	5.23	32.6	4.97	25.2	4.23		
		16.4	15.0	45.9	5.21	44.4	5.07	41.5	4.78	40.0	4.63	35.6	4.20	32.6	3.91	25.2	3.25		
		24.0	18.0	45.9	5.21	44.4	5.07	41.5	4.78	40.0	4.63	35.6	4.20	32.6	3.91	25.2	3.18		

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB															
				16.0		17.0		19.0		20.0		23.0		25.0		30.0			
				TC	PI	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	kW	kW		
100%	70%	-24.9	-25.0	34.1	11.58	33.2	11.38	31.5	10.96	30.6	10.74	27.9	10.02	26.0	9.49	21.0	7.99		
		-19.8	-20.0	35.7	11.81	34.9	11.61	33.1	11.17	32.2	10.95	29.3	10.20	27.4	9.66	22.0	8.11		
		-14.7	-15.0	38.1	12.18	37.2	11.96	35.3	11.51	34.3	11.27	31.1	10.48	28.5	9.91	22.0	7.12		
		-9.6	-10.0	40.2	9.97	38.9	9.77	36.3	9.36	35.0	9.15	31.1	8.46	28.5	7.97	22.0	6.65		
		-4.4	-5.0	40.2	8.71	38.9	8.58	36.3	8.28	35.0	8.12	31.1	7.58	28.5	7.17	22.0	6.02		
		-1.8	-2.5	40.2	8.13	38.9	8.00	36.3	7.74	35.0	7.59	31.1	7.10	28.5	6.73	22.0	5.68		
		0.8	0.0	40.2	7.51	38.9	7.40	36.3	7.17	35.0	7.04	31.1	6.60	28.5	6.27	22.0	5.32		
		2.8	2.0	40.2	6.89	38.9	6.80	36.3	6.61	35.0	6.49	31.1	6.11	28.5	5.82	22.0	4.96		
		6.0	5.0	40.2	6.02	38.9	5.95	36.3	5.80	35.0	5.72	31.1	5.40	28.5	5.15	22.0	4.40		
		7.0	6.0	40.2	5.79	38.9	5.71	36.3	5.54	35.0	5.45	31.1	5.14	28.5	4.90	22.0	4.21		
		8.6	7.5	40.2	5.26	38.9	5.20	36.3	5.07	35.0	4.99	31.1	4.74	28.5	4.54	22.0	3.94		
		11.2	10.0	40.2	4.65	38.9	4.52	36.3	4.34	35.0	4.30	31.1	4.12	28.5	3.98	22.0	3.51		
		16.4	15.0	40.2	4.65	38.9	4.52	36.3	4.27	35.0	4.14	31.1	3.76	28.5	3.51	22.0	2.87		
		24.0	18.0	40.2	4.65	38.9	4.52	36.3	4.27	35.0	4.14	31.1	3.76	28.5	3.51	22.0	2.87		

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-16ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	34.1	11.58	33.2	11.38	31.1	9.18	30.0	8.99	26.7	8.35	24.4	7.82	18.9	6.45
		-19.8	-20.0	34.4	9.12	33.3	8.98	31.1	8.66	30.0	8.49	26.7	7.94	24.4	7.52	18.9	6.23
		-14.7	-15.0	34.4	8.41	33.3	8.30	31.1	8.05	30.0	7.91	26.7	7.43	24.4	7.07	18.9	5.99
		-9.6	-10.0	34.4	7.66	33.3	7.57	31.1	7.36	30.0	7.24	26.7	6.82	24.4	6.50	18.9	5.54
		-4.4	-5.0	34.4	6.77	33.3	6.70	31.1	6.53	30.0	6.44	26.7	6.10	24.4	5.83	18.9	5.01
		-1.8	-2.5	34.4	6.28	33.3	6.22	31.1	6.08	30.0	6.00	26.7	5.70	24.4	5.46	18.9	4.72
		0.8	0.0	34.4	5.76	33.3	5.72	31.1	5.61	30.0	5.54	26.7	5.28	24.4	5.07	18.9	4.41
		2.8	2.0	34.4	5.25	33.3	5.22	31.1	5.14	30.0	5.08	26.7	4.87	24.4	4.69	18.9	4.11
		6.0	5.0	34.4	4.53	33.3	4.51	31.1	4.46	30.0	4.42	26.7	4.26	24.4	4.12	18.9	3.61
		7.0	6.0	34.4	4.29	33.3	4.27	31.1	4.22	30.0	4.18	26.7	4.04	24.4	3.91	18.9	3.48
		8.6	7.5	34.4	4.09	33.3	3.98	31.1	3.85	30.0	3.82	26.7	3.72	24.4	3.62	18.9	3.26
		11.2	10.0	34.4	4.09	33.3	3.98	31.1	3.76	30.0	3.65	26.7	3.33	24.4	3.17	18.9	2.91
		16.4	15.0	34.4	4.09	33.3	3.98	31.1	3.76	30.0	3.65	26.7	3.33	24.4	3.11	18.9	2.56
		24.0	18.0	34.4	4.09	33.3	3.98	31.1	3.76	30.0	3.65	26.7	3.33	24.4	3.11	18.9	2.56
100%	50%	-24.9	-25.0	28.7	7.46	27.8	7.37	25.9	7.18	25.0	7.07	22.2	6.69	20.4	6.38	15.7	5.36
		-19.8	-20.0	28.7	7.07	27.8	7.00	25.9	6.82	25.0	6.72	22.2	6.37	20.4	6.10	15.7	5.22
		-14.7	-15.0	28.7	6.56	27.8	6.50	25.9	6.36	25.0	6.27	22.2	5.96	20.4	5.71	15.7	4.94
		-9.6	-10.0	28.7	5.94	27.8	5.90	25.9	5.78	25.0	5.71	22.2	5.46	20.4	5.24	15.7	4.56
		-4.4	-5.0	28.7	5.22	27.8	5.19	25.9	5.11	25.0	5.06	22.2	4.86	20.4	4.69	15.7	4.12
		-1.8	-2.5	28.7	4.81	27.8	4.80	25.9	4.74	25.0	4.70	22.2	4.53	20.4	4.38	15.7	3.87
		0.8	0.0	28.7	4.40	27.8	4.39	25.9	4.35	25.0	4.32	22.2	4.19	20.4	4.07	15.7	3.62
		2.8	2.0	28.7	3.99	27.8	3.99	25.9	3.97	25.0	3.96	22.2	3.86	20.4	3.76	15.7	3.37
		6.0	5.0	28.7	3.53	27.8	3.43	25.9	3.38	25.0	3.38	22.2	3.32	20.4	3.25	15.7	2.95
		7.0	6.0	28.7	3.53	27.8	3.43	25.9	3.25	25.0	3.19	22.2	3.15	20.4	3.10	15.7	2.85
		8.6	7.5	28.7	3.53	27.8	3.43	25.9	3.25	25.0	3.16	22.2	2.91	20.4	2.87	15.7	2.67
		11.2	10.0	28.7	3.53	27.8	3.43	25.9	3.25	25.0	3.16	22.2	2.89	20.4	2.71	15.7	2.39
		16.4	15.0	28.7	3.53	27.8	3.43	25.9	3.25	25.0	3.16	22.2	2.89	20.4	2.71	15.7	2.25
		24.0	18.0	28.7	3.53	27.8	3.43	25.9	3.25	25.0	3.16	22.2	2.89	20.4	2.71	15.7	2.25
100%	40%	-24.9	-25.0	23.0	5.74	22.2	5.69	20.7	5.58	20.0	5.51	17.8	5.26	16.3	5.06	12.6	4.36
		-19.8	-20.0	23.0	5.43	22.2	5.39	20.7	5.30	20.0	5.24	17.8	5.01	16.3	4.82	12.6	4.22
		-14.7	-15.0	23.0	5.03	22.2	5.00	20.7	4.93	20.0	4.88	17.8	4.69	16.3	4.52	12.6	3.97
		-9.6	-10.0	23.0	4.54	22.2	4.52	20.7	4.47	20.0	4.43	17.8	4.28	16.3	4.15	12.6	3.67
		-4.4	-5.0	23.0	3.97	22.2	3.96	20.7	3.94	20.0	3.92	17.8	3.81	16.3	3.71	12.6	3.32
		-1.8	-2.5	23.0	3.65	22.2	3.66	20.7	3.65	20.0	3.63	17.8	3.55	16.3	3.47	12.6	3.13
		0.8	0.0	23.0	3.33	22.2	3.34	20.7	3.34	20.0	3.34	17.8	3.28	16.3	3.21	12.6	2.92
		2.8	2.0	23.0	2.98	22.2	2.99	20.7	3.01	20.0	3.01	17.8	2.98	16.3	2.93	12.6	2.70
		6.0	5.0	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.56	16.3	2.54	12.6	2.39
		7.0	6.0	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.45	16.3	2.43	12.6	2.30
		8.6	7.5	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.45	16.3	2.31	12.6	2.17
		11.2	10.0	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.45	16.3	2.31	12.6	1.95
		16.4	15.0	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.45	16.3	2.31	12.6	1.95
		24.0	18.0	23.0	2.96	22.2	2.89	20.7	2.74	20.0	2.67	17.8	2.45	16.3	2.31	12.6	1.95
100%	30%	-24.9	-25.0	17.2	4.26	16.7	4.24	15.6	4.18	15.0	4.14	13.3	3.99	12.2	3.85	9.4	3.40
		-19.8	-20.0	17.2	4.03	16.7	4.01	15.6	3.97	15.0	3.93	13.3	3.80	12.2	3.68	9.4	3.27
		-14.7	-15.0	17.2	3.73	16.7	3.72	15.6	3.69	15.0	3.66	13.3	3.55	12.2	3.45	9.4	3.09
		-9.6	-10.0	17.2	3.37	16.7	3.37	15.6	3.35	15.0	3.33	13.3	3.25	12.2	3.17	9.4	2.86
		-4.4	-5.0	17.2	2.92	16.7	2.93	15.6	2.94	15.0	2.93	13.3	2.88	12.2	2.82	9.4	2.58
		-1.8	-2.5	17.2	2.67	16.7	2.68	15.6	2.70	15.0	2.70	13.3	2.67	12.2	2.63	9.4	2.43
		0.8	0.0	17.2	2.40	16.7	2.42	15.6	2.45	15.0	2.46	13.3	2.46	12.2	2.43	9.4	2.27
		2.8	2.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.23	13.3	2.24	12.2	2.23	9.4	2.12
		6.0	5.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.96	9.4	1.90
		7.0	6.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.91	9.4	1.83
		8.6	7.5	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.91	9.4	1.73
		11.2	10.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.91	9.4	1.64
		16.4	15.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.91	9.4	1.64
		24.0	18.0	17.2	2.40	16.7	2.34	15.6	2.24	15.0	2.18	13.3	2.02	12.2	1.91	9.4	1.64

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 “1. Capacity of Outdoor Unit”.

3. Part Load of Outdoor Unit

3-11. U-18ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	33.3	3.67	40.0	4.40	46.7	5.12	50.0	5.49	56.7	6.22	63.3	6.95	70.0	7.68
		-5.0	33.3	3.68	40.0	4.41	46.7	5.14	50.0	5.51	56.7	6.24	63.3	6.97	70.0	7.70
		0.0	33.3	3.70	40.0	4.43	46.7	5.17	50.0	5.54	56.7	6.27	63.3	7.00	70.0	7.73
		5.0	33.3	3.73	40.0	4.47	46.7	5.20	50.0	5.57	56.7	6.32	63.3	7.10	70.0	7.86
		10.0	33.3	3.76	40.0	4.51	46.7	5.30	50.0	5.71	56.7	6.55	63.3	7.41	70.0	8.23
		15.0	33.3	3.91	40.0	4.81	46.7	5.77	50.0	6.26	56.7	7.27	63.3	8.31	70.0	9.22
		20.0	33.3	4.98	40.0	6.22	46.7	7.29	50.0	7.87	56.7	9.11	63.3	10.47	70.0	11.95
		25.0	33.3	6.46	40.0	7.71	46.7	9.08	50.0	9.82	56.7	11.37	63.3	13.06	70.0	14.87
		30.0	33.3	7.80	40.0	9.36	46.7	11.04	50.0	11.93	56.7	13.82	63.3	15.84	70.0	17.99
		35.0	33.3	9.25	40.0	11.13	46.7	13.15	50.0	14.21	56.7	16.45	63.3	18.83	67.7	19.88
		40.0	33.3	10.81	40.0	13.04	46.7	15.42	50.0	16.67	56.7	19.29	60.0	19.88	62.5	19.88
		43.0	33.3	11.80	40.0	14.25	46.7	16.87	50.0	18.24	54.8	19.88	56.8	19.48	57.9	18.52
		46.0	33.0	12.73	39.6	15.40	42.1	15.64	42.5	15.26	43.6	14.61	45.1	14.10	46.8	13.70
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75
100%	90%	-10.0	30.0	2.90	36.0	3.66	42.0	4.40	45.0	4.76	51.0	5.47	57.0	6.17	63.0	6.85
		-5.0	30.0	2.91	36.0	3.67	42.0	4.41	45.0	4.78	51.0	5.49	57.0	6.19	63.0	6.88
		0.0	30.0	2.93	36.0	3.69	42.0	4.44	45.0	4.80	51.0	5.52	57.0	6.22	63.0	6.90
		5.0	30.0	2.96	36.0	3.72	42.0	4.47	45.0	4.83	51.0	5.55	57.0	6.25	63.0	6.95
		10.0	30.0	3.00	36.0	3.76	42.0	4.51	45.0	4.88	51.0	5.64	57.0	6.39	63.0	7.14
		15.0	30.0	3.06	36.0	3.89	42.0	4.74	45.0	5.16	51.0	6.01	57.0	6.85	63.0	7.68
		20.0	30.0	3.67	36.0	4.74	42.0	5.80	45.0	6.31	51.0	7.31	57.0	8.24	63.0	9.21
		25.0	30.0	5.49	36.0	6.49	42.0	7.52	45.0	8.06	51.0	9.15	57.0	10.28	63.0	11.44
		30.0	30.0	6.71	36.0	7.92	42.0	9.17	45.0	9.80	51.0	11.08	57.0	12.40	63.0	13.76
		35.0	30.0	8.29	36.0	9.76	42.0	11.26	45.0	12.03	51.0	13.57	57.0	15.16	63.0	16.81
		40.0	30.0	9.65	36.0	11.35	42.0	13.08	45.0	13.95	51.0	15.74	57.0	17.61	62.5	19.88
		43.0	30.0	10.49	36.0	12.34	42.0	14.21	45.0	15.16	51.0	17.13	56.8	19.48	57.9	18.52
		46.0	30.0	11.14	36.0	13.27	42.0	15.51	42.5	15.26	43.6	14.61	45.1	14.10	46.8	13.70
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75
100%	80%	-10.0	26.7	2.47	32.0	3.16	37.3	3.83	40.0	4.16	45.3	4.81	50.7	5.44	56.0	6.06
		-5.0	26.7	2.48	32.0	3.17	37.3	3.84	40.0	4.17	45.3	4.82	50.7	5.46	56.0	6.08
		0.0	26.7	2.50	32.0	3.19	37.3	3.86	40.0	4.19	45.3	4.84	50.7	5.48	56.0	6.11
		5.0	26.7	2.52	32.0	3.21	37.3	3.89	40.0	4.22	45.3	4.87	50.7	5.51	56.0	6.13
		10.0	26.7	2.55	32.0	3.25	37.3	3.93	40.0	4.26	45.3	4.91	50.7	5.55	56.0	6.19
		15.0	26.7	2.61	32.0	3.30	37.3	4.00	40.0	4.35	45.3	5.05	50.7	5.75	56.0	6.43
		20.0	26.7	2.84	32.0	3.67	37.3	4.49	40.0	4.90	45.3	5.69	50.7	6.46	56.0	7.20
		25.0	26.7	4.70	32.0	5.45	37.3	6.21	40.0	6.60	45.3	7.39	50.7	8.20	56.0	9.01
		30.0	26.7	5.76	32.0	6.70	37.3	7.65	40.0	8.12	45.3	9.08	50.7	10.04	56.0	11.01
		35.0	26.7	7.15	32.0	8.31	37.3	9.48	40.0	10.06	45.3	11.23	50.7	12.39	56.0	13.57
		40.0	26.7	8.35	32.0	9.71	37.3	11.06	40.0	11.73	45.3	13.08	50.7	14.44	56.0	15.81
		43.0	26.7	9.09	32.0	10.57	37.3	12.05	40.0	12.78	45.3	14.25	50.7	15.74	56.0	17.26
		46.0	26.7	9.60	32.0	11.26	37.3	12.96	40.0	13.83	43.6	14.61	45.1	14.10	46.8	13.70
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75
100%	70%	-10.0	23.3	2.04	28.0	2.65	32.7	3.25	35.0	3.54	39.7	4.12	44.3	4.69	49.0	5.25
		-5.0	23.3	2.05	28.0	2.66	32.7	3.26	35.0	3.55	39.7	4.13	44.3	4.71	49.0	5.27
		0.0	23.3	2.06	28.0	2.67	32.7	3.27	35.0	3.57	39.7	4.15	44.3	4.72	49.0	5.28
		5.0	23.3	2.08	28.0	2.69	32.7	3.30	35.0	3.59	39.7	4.18	44.3	4.75	49.0	5.31
		10.0	23.3	2.11	28.0	2.72	32.7	3.33	35.0	3.62	39.7	4.21	44.3	4.78	49.0	5.34
		15.0	23.3	2.15	28.0	2.77	32.7	3.37	35.0	3.67	39.7	4.25	44.3	4.83	49.0	5.41
		20.0	23.3	2.23	28.0	2.88	32.7	3.54	35.0	3.86	39.7	4.50	44.3	5.12	49.0	5.73
		25.0	23.3	3.35	28.0	4.07	32.7	4.74	35.0	5.07	39.7	5.69	44.3	6.29	49.0	6.87
		30.0	23.3	4.89	28.0	5.60	32.7	6.29	35.0	6.63	39.7	7.31	44.3	7.98	49.0	8.64
		35.0	23.3	6.09	28.0	6.99	32.7	7.87	35.0	8.30	39.7	9.15	44.3	9.98	49.0	10.80
		40.0	23.3	7.14	28.0	8.20	32.7	9.23	35.0	9.74	39.7	10.74	44.3	11.71	49.0	12.67
		43.0	23.3	7.79	28.0	8.95	32.7	10.08	35.0	10.63	39.7	11.72	44.3	12.79	49.0	13.85
		46.0	23.3	8.20	28.0	9.46	32.7	10.73	35.0	11.36	39.7	12.63	44.3	13.44	46.8	13.70
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-18ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	20.0	1.60	24.0	2.13	28.0	2.65	30.0	2.91	34.0	3.42	38.0	3.92	42.0	4.41
		-5.0	20.0	1.61	24.0	2.14	28.0	2.66	30.0	2.92	34.0	3.43	38.0	3.93	42.0	4.42
		0.0	20.0	1.62	24.0	2.15	28.0	2.68	30.0	2.93	34.0	3.44	38.0	3.94	42.0	4.44
		5.0	20.0	1.63	24.0	2.17	28.0	2.69	30.0	2.95	34.0	3.46	38.0	3.96	42.0	4.46
		10.0	20.0	1.65	24.0	2.19	28.0	2.72	30.0	2.98	34.0	3.49	38.0	3.99	42.0	4.48
		15.0	20.0	1.69	24.0	2.23	28.0	2.75	30.0	3.01	34.0	3.53	38.0	4.03	42.0	4.52
		20.0	20.0	1.75	24.0	2.28	28.0	2.81	30.0	3.07	34.0	3.58	38.0	4.10	42.0	4.60
		25.0	20.0	2.11	24.0	2.69	28.0	3.24	30.0	3.50	34.0	4.03	38.0	4.54	42.0	5.03
		30.0	20.0	4.12	24.0	4.62	28.0	5.10	30.0	5.33	34.0	5.78	38.0	6.20	42.0	6.61
		35.0	20.0	5.13	24.0	5.79	28.0	6.42	30.0	6.72	34.0	7.30	38.0	7.86	42.0	8.39
		40.0	20.0	6.02	24.0	6.82	28.0	7.58	30.0	7.95	34.0	8.65	38.0	9.33	42.0	9.97
		43.0	20.0	6.57	24.0	7.46	28.0	8.30	30.0	8.70	34.0	9.48	38.0	10.23	42.0	10.94
		46.0	20.0	6.95	24.0	7.87	28.0	8.78	30.0	9.22	34.0	10.09	38.0	10.94	42.0	11.77
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	16.7	1.15	20.0	1.60	23.3	2.05	25.0	2.26	28.3	2.70	31.7	3.12	35.0	3.54
		-5.0	16.7	1.16	20.0	1.61	23.3	2.05	25.0	2.27	28.3	2.71	31.7	3.13	35.0	3.55
		0.0	16.7	1.17	20.0	1.62	23.3	2.06	25.0	2.28	28.3	2.72	31.7	3.14	35.0	3.56
		5.0	16.7	1.18	20.0	1.63	23.3	2.08	25.0	2.30	28.3	2.73	31.7	3.16	35.0	3.58
		10.0	16.7	1.20	20.0	1.65	23.3	2.10	25.0	2.32	28.3	2.75	31.7	3.18	35.0	3.60
		15.0	16.7	1.22	20.0	1.68	23.3	2.12	25.0	2.34	28.3	2.78	31.7	3.21	35.0	3.63
		20.0	16.7	1.27	20.0	1.72	23.3	2.17	25.0	2.39	28.3	2.82	31.7	3.25	35.0	3.67
		25.0	16.7	1.37	20.0	1.82	23.3	2.26	25.0	2.48	28.3	3.32	31.7	3.34	35.0	3.76
		30.0	16.7	3.43	20.0	3.67	23.3	3.59	25.0	3.64	28.3	3.83	31.7	4.09	35.0	4.39
		35.0	16.7	4.26	20.0	4.72	23.3	5.14	25.0	5.34	28.3	5.70	31.7	6.04	35.0	6.35
		40.0	16.7	5.00	20.0	5.57	23.3	6.10	25.0	6.35	28.3	6.82	31.7	7.25	35.0	7.64
		43.0	16.7	5.46	20.0	6.10	23.3	6.70	25.0	6.97	28.3	7.50	31.7	7.99	35.0	8.44
		46.0	16.7	5.82	20.0	6.48	23.3	7.10	25.0	7.39	28.3	7.96	31.7	8.49	35.0	8.99
		52.0	14.4	6.10	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	13.3	0.70	16.0	1.06	18.7	1.42	20.0	1.60	22.7	1.96	25.3	2.31	28.0	2.66
		-5.0	13.3	0.70	16.0	1.07	18.7	1.43	20.0	1.61	22.7	1.96	25.3	2.32	28.0	2.67
		0.0	13.3	0.71	16.0	1.08	18.7	1.44	20.0	1.62	22.7	1.97	25.3	2.33	28.0	2.68
		5.0	13.3	0.72	16.0	1.09	18.7	1.45	20.0	1.63	22.7	1.98	25.3	2.34	28.0	2.69
		10.0	13.3	0.73	16.0	1.10	18.7	1.46	20.0	1.64	22.7	2.00	25.3	2.35	28.0	2.71
		15.0	13.3	0.75	16.0	1.12	18.7	1.48	20.0	1.66	22.7	2.02	25.3	2.38	28.0	2.74
		20.0	13.3	0.78	16.0	1.15	18.7	1.52	20.0	1.69	22.7	2.05	25.3	2.41	28.0	2.77
		25.0	13.3	0.85	16.0	1.22	18.7	1.57	20.0	1.75	22.7	2.10	25.3	2.46	28.0	2.82
		30.0	13.3	1.56	16.0	1.62	18.7	1.84	20.0	1.98	22.7	2.27	25.3	2.65	28.0	3.10
		35.0	13.3	3.49	16.0	3.78	18.7	4.04	20.0	4.15	22.7	4.36	25.3	4.61	28.0	4.94
		40.0	13.3	4.07	16.0	4.45	18.7	4.79	20.0	4.95	22.7	5.22	25.3	5.46	28.0	5.67
		43.0	13.3	4.43	16.0	4.87	18.7	5.26	20.0	5.44	22.7	5.76	25.3	6.05	28.0	6.29
		46.0	13.3	4.83	16.0	5.26	18.7	5.66	20.0	5.84	22.7	6.18	25.3	6.48	28.0	6.75
		52.0	13.3	5.53	15.7	6.15	17.2	6.25	18.0	6.31	19.8	6.44	21.9	6.59	24.1	6.75

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	10.0	0.24	12.0	0.51	14.0	0.80	15.0	0.94	17.0	1.22	19.0	1.50	21.0	1.77
		-5.0	10.0	0.24	12.0	0.52	14.0	0.80	15.0	0.95	17.0	1.23	19.0	1.51	21.0	1.78
		0.0	10.0	0.24	12.0	0.52	14.0	0.81	15.0	0.95	17.0	1.24	19.0	1.52	21.0	1.79
		5.0	10.0	0.25	12.0	0.53	14.0	0.82	15.0	0.96	17.0	1.25	19.0	1.53	21.0	1.81
		10.0	10.0	0.26	12.0	0.54	14.0	0.83	15.0	0.98	17.0	1.27	19.0	1.55	21.0	1.83
		15.0	10.0	0.27	12.0	0.55	14.0	0.85	15.0	1.00	17.0	1.29	19.0	1.58	21.0	1.86
		20.0	10.0	0.30	12.0	0.58	14.0	0.87	15.0	1.03	17.0	1.33	19.0	1.62	21.0	1.90
		25.0	10.0	0.34	12.0	0.62	14.0	0.92	15.0	1.08	17.0	1.38	19.0	1.67	21.0	1.98
		30.0	10.0	0.46	12.0	0.71	14.0	1.00	15.0	1.19	17.0	1.59	19.0	2.00	21.0	2.38
		35.0	10.0	2.80	12.0	2.97	14.0	3.17	15.0	3.30	17.0	3.56	19.0	3.81	21.0	4.06
		40.0	10.0	3.23	12.0	3.46	14.0	3.66	15.0	3.74	17.0	3.87	19.0	3.98	21.0	4.06
		43.0	10.0	3.50	12.0	3.78	14.0	4.00	15.0	4.10	17.0	4.27	19.0	4.40	21.0	4.51
		46.0	10.0	3.95	12.0	4.21	14.0	4.44	15.0	4.54	17.0	4.72	19.0	4.86	21.0	4.98
		52.0	10.0	4.45	12.0	4.80	14.0	5.10	15.0	5.24	17.0	5.38	19.0	5.45	21.0	5.47

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a part of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-12. U-18ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	43.0	15.56	41.9	15.27	39.6	14.64	38.5	14.31	35.0	13.25	32.5	12.49	26.1	10.36
		-19.8	-20.0	45.2	15.94	44.0	15.63	41.7	14.97	40.5	14.63	36.8	13.53	34.2	12.74	27.5	10.54
		-14.7	-15.0	48.2	16.50	47.0	16.17	44.5	15.47	43.3	15.11	39.3	13.95	36.6	13.11	29.4	10.81
		-9.6	-10.0	52.4	17.28	51.1	16.92	48.4	16.17	47.0	15.77	42.8	14.52	39.8	13.63	32.0	11.17
		-4.4	-5.0	56.8	17.92	56.3	17.92	53.3	17.06	51.8	16.60	47.1	15.18	43.9	14.18	35.3	11.62
		-1.8	-2.5	58.9	17.92	58.2	17.92	56.2	17.63	54.6	17.17	49.7	15.72	45.6	14.42	35.3	11.14
		0.8	0.0	61.6	17.92	60.8	17.92	58.1	17.31	56.0	16.65	49.8	14.71	45.6	13.45	35.3	10.39
		2.8	2.0	64.3	17.75	62.2	17.14	58.1	15.93	56.0	15.33	49.8	13.57	45.6	12.43	35.3	9.64
		6.0	5.0	64.3	15.49	62.2	14.97	58.1	13.94	56.0	13.43	49.8	11.94	45.6	10.93	35.3	8.54
		7.0	6.0	64.3	14.76	62.2	14.27	58.1	13.30	56.0	12.80	49.8	11.38	45.6	10.46	35.3	8.19
		8.6	7.5	64.3	13.66	62.2	13.21	58.1	12.33	56.0	11.90	49.8	10.61	45.6	9.76	35.3	7.69
		11.2	10.0	64.3	11.97	62.2	11.59	58.1	10.86	56.0	10.49	49.8	9.41	45.6	8.69	35.3	6.90
		16.4	15.0	64.3	8.99	62.2	8.75	58.1	8.24	56.0	7.99	49.8	7.23	45.6	6.71	35.3	5.38
		24.0	18.0	64.3	7.35	62.2	7.14	58.1	6.71	56.0	6.50	49.8	5.86	45.6	5.43	35.3	4.36

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	90%	-24.9	-25.0	43.0	15.56	41.9	15.27	39.6	14.64	38.5	14.31	35.0	13.25	32.5	12.49	26.1	10.36
		-19.8	-20.0	45.2	15.94	44.0	15.63	41.7	14.97	40.5	14.63	36.8	13.53	34.2	12.74	27.5	10.54
		-14.7	-15.0	48.2	16.50	47.0	16.17	44.5	15.47	43.3	15.11	39.3	13.95	36.6	13.11	29.4	10.81
		-9.6	-10.0	52.4	17.28	51.1	16.92	48.4	16.17	47.0	15.77	42.8	14.52	39.8	13.63	31.7	11.17
		-4.4	-5.0	56.8	17.92	56.0	16.69	52.3	15.65	50.4	15.13	44.8	13.57	41.1	12.53	31.7	9.91
		-1.8	-2.5	57.9	15.98	56.0	15.51	52.3	14.56	50.4	14.09	44.8	12.67	41.1	11.71	31.7	9.30
		0.8	0.0	57.9	14.70	56.0	14.28	52.3	13.43	50.4	13.00	44.8	11.72	41.1	10.85	31.7	8.66
		2.8	2.0	57.9	13.42	56.0	13.05	52.3	12.29	50.4	11.92	44.8	10.77	41.1	10.00	31.7	8.07
		6.0	5.0	57.9	11.68	56.0	11.40	52.3	10.83	50.4	10.54	44.8	9.61	41.1	8.94	31.7	7.19
		7.0	6.0	57.9	11.37	56.0	11.06	52.3	10.44	50.4	10.13	44.8	9.18	41.1	8.54	31.7	6.89
		8.6	7.5	57.9	10.47	56.0	10.20	52.3	9.65	50.4	9.37	44.8	8.53	41.1	7.95	31.7	6.46
		11.2	10.0	57.9	9.07	56.0	8.85	52.3	8.42	50.4	8.19	44.8	7.51	41.1	7.03	31.7	5.78
		16.4	15.0	57.9	6.69	56.0	6.50	52.3	6.23	50.4	6.09	44.8	5.65	41.1	5.33	31.7	4.45
		24.0	18.0	57.9	6.69	56.0	6.50	52.3	6.11	50.4	5.92	44.8	5.35	41.1	4.96	31.7	4.00

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	80%	-24.9	-25.0	43.0	15.56	41.9	15.27	39.6	14.64	38.5	14.31	35.0	13.25	32.5	12.49	26.1	10.36
		-19.8	-20.0	45.2	15.94	44.0	15.63	41.7	14.97	40.5	14.63	36.8	13.53	34.2	12.74	27.5	10.54
		-14.7	-15.0	48.2	16.50	47.0	16.17	44.5	15.47	43.3	15.11	39.3	13.95	36.6	13.11	28.2	9.71
		-9.6	-10.0	51.4	14.92	49.8	14.55	46.5	13.78	44.8	13.40	39.8	12.19	36.5	11.36	28.2	9.17
		-4.4	-5.0	51.4	13.09	49.8	12.78	46.5	12.15	44.8	11.82	39.8	10.81	36.5	10.10	28.2	8.24
		-1.8	-2.5	51.4	12.09	49.8	11.82	46.5	11.26	44.8	10.97	39.8	10.06	36.5	9.42	28.2	7.76
		0.8	0.0	51.4	11.03	49.8	10.82	46.5	10.36	44.8	10.12	39.8	9.35	36.5	8.80	28.2	7.27
		2.8	2.0	51.4	10.18	49.8	9.99	46.5	9.58	44.8	9.37	39.8	8.67	36.5	8.17	28.2	6.78
		6.0	5.0	51.4	8.97	49.8	8.81	46.5	8.47	44.8	8.29	39.8	7.70	36.5	7.25	28.2	6.01
		7.0	6.0	51.4	8.64	49.8	8.47	46.5	8.11	44.8	7.92	39.8	7.33	36.5	6.91	28.2	5.76
		8.6	7.5	51.4	7.90	49.8	7.75	46.5	7.45	44.8	7.29	39.8	6.79	36.5	6.42	28.2	5.39
		11.2	10.0	51.4	6.75	49.8	6.65	46.5	6.43	44.8	6.32	39.8	5.93	36.5	5.64	28.2	4.81
		16.4	15.0	51.4	6.03	49.8	5.86	46.5	5.52	44.8	5.35	39.8	4.83	36.5	4.49	28.2	3.66
		24.0	18.0	51.4	6.03	49.8	5.86	46.5	5.52	44.8	5.35	39.8	4.83	36.5	4.49	28.2	3.64

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	70%	-24.9	-25.0	43.0	15.56	41.9	15.27	39.6	14.64	38.5	14.31	34.8	11.77	31.9	10.99	24.7	8.95
		-19.8	-20.0	45.0	13.69	43.6	13.40	40.7	12.78	39.2	12.45	34.8	11.36	31.9	10.53	24.7	8.60
		-14.7	-15.0	45.0	12.63	43.6	12.37	40.7	11.84	39.2	11.57	34.8	10.68	31.9	10.04	24.7	8.23
		-9.6	-10.0	45.0	11.34	43.6	11.13	40.7	10.69	39.2	10.45	34.8	9.69	31.9	9.16	24.7	7.65
		-4.4	-5.0	45.0	9.97	43.6	9.82	40.7	9.48	39.2	9.30	34.8	8.68	31.9	8.23	24.7	6.91
		-1.8	-2.5	45.0	9.28	43.6	9.14	40.7	8.84	39.2	8.67	34.8	8.12	31.9	7.71	24.7	6.50
		0.8	0.0	45.0	8.55	43.6	8.43	40.7	8.17	39.2	8.03	34.8	7.54	31.9	7.17	24.7	6.08
		2.8	2.0	45.0	7.83	43.6	7.73	40.7	7.52	39.2	7.39	34.8	6.97	31.9	6.64	24.7	5.65
		6.0	5.0	45.0	6.80	43.6	6.73	40.7	6.56	39.2	6.46	34.8	6.11	31.9	5.83	24.7	4.97
		7.0	6.0	45.0	6.45	43.6	6.38	40.7	6.22	39.2	6.12	34.8	5.80	31.9	5.55	24.7	4.79
		8.6	7.5	45.0	5.86	43.6	5.81	40.7	5.68	39.2	5.61	34.8	5.35	31.9	5.14	24.7	4.48
		11.2	10.0	45.0	5.37	43.6	5.22	40.7	4.92	39.2	4.83	34.8	4.65	31.9	4.50	24.7	3.98
		16.4	15.0	45.0	5.37	43.6	5.22	40.7	4.92	39.2	4.77	34.8	4.32	31.9	4.02	24.7	3.27
24.0	18.0	45.0	5.37	43.6	5.22	40.7	4.92	39.2	4.77	34.8	4.32	31.9	4.02	24.7	3.27		

3. Part Load of Outdoor Unit

U-18ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	38.6	11.09	37.3	10.91	34.8	10.53	33.6	10.32	29.9	9.61	27.4	9.05	21.2	7.45
		-19.8	-20.0	38.6	10.42	37.3	10.28	34.8	9.95	33.6	9.77	29.9	9.16	27.4	8.69	21.2	7.21
		-14.7	-15.0	38.6	9.70	37.3	9.57	34.8	9.28	33.6	9.12	29.9	8.57	27.4	8.15	21.2	6.91
		-9.6	-10.0	38.6	8.81	37.3	8.70	34.8	8.46	33.6	8.32	29.9	7.85	27.4	7.48	21.2	6.37
		-4.4	-5.0	38.6	7.76	37.3	7.68	34.8	7.49	33.6	7.38	29.9	7.00	27.4	6.69	21.2	5.75
		-1.8	-2.5	38.6	7.18	37.3	7.11	34.8	6.96	33.6	6.86	29.9	6.53	27.4	6.25	21.2	5.40
		0.8	0.0	38.6	6.57	37.3	6.52	34.8	6.40	33.6	6.33	29.9	6.04	27.4	5.80	21.2	5.04
		2.8	2.0	38.6	5.98	37.3	5.94	34.8	5.85	33.6	5.79	29.9	5.56	27.4	5.36	21.2	4.68
		6.0	5.0	38.6	5.09	37.3	5.07	34.8	5.00	33.6	4.96	29.9	4.80	27.4	4.64	21.2	4.08
		7.0	6.0	38.6	4.77	37.3	4.76	34.8	4.71	33.6	4.68	29.9	4.54	27.4	4.41	21.2	3.94
		8.6	7.5	38.6	4.70	37.3	4.58	34.8	4.32	33.6	4.28	29.9	4.18	27.4	4.08	21.2	3.69
		11.2	10.0	38.6	4.70	37.3	4.58	34.8	4.32	33.6	4.19	29.9	3.81	27.4	3.57	21.2	3.28
		16.4	15.0	38.6	4.70	37.3	4.58	34.8	4.32	33.6	4.19	29.9	3.81	27.4	3.55	21.2	2.91
		24.0	18.0	38.6	4.70	37.3	4.58	34.8	4.32	33.6	4.19	29.9	3.81	27.4	3.55	21.2	2.91

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	50%	-24.9	-25.0	32.1	8.62	31.1	8.52	29.0	8.30	28.0	8.17	24.9	7.73	22.8	7.38	17.6	6.19
		-19.8	-20.0	32.1	8.16	31.1	8.08	29.0	7.88	28.0	7.77	24.9	7.36	22.8	7.03	17.6	6.02
		-14.7	-15.0	32.1	7.57	31.1	7.50	29.0	7.33	28.0	7.23	24.9	6.87	22.8	6.58	17.6	5.68
		-9.6	-10.0	32.1	6.83	31.1	6.78	29.0	6.65	28.0	6.57	24.9	6.28	22.8	6.03	17.6	5.24
		-4.4	-5.0	32.1	5.97	31.1	5.94	29.0	5.86	28.0	5.80	24.9	5.57	22.8	5.37	17.6	4.72
		-1.8	-2.5	32.1	5.50	31.1	5.48	29.0	5.42	28.0	5.38	24.9	5.19	22.8	5.02	17.6	4.43
		0.8	0.0	32.1	5.01	31.1	5.01	29.0	4.97	28.0	4.94	24.9	4.79	22.8	4.65	17.6	4.13
		2.8	2.0	32.1	4.52	31.1	4.52	29.0	4.50	28.0	4.47	24.9	4.36	22.8	4.24	17.6	3.81
		6.0	5.0	32.1	4.04	31.1	3.94	29.0	3.77	28.0	3.77	24.9	3.72	22.8	3.66	17.6	3.33
		7.0	6.0	32.1	4.04	31.1	3.94	29.0	3.72	28.0	3.62	24.9	3.53	22.8	3.48	17.6	3.21
		8.6	7.5	32.1	4.04	31.1	3.94	29.0	3.72	28.0	3.62	24.9	3.30	22.8	3.22	17.6	3.01
		11.2	10.0	32.1	4.04	31.1	3.94	29.0	3.72	28.0	3.62	24.9	3.30	22.8	3.08	17.6	2.68
		16.4	15.0	32.1	4.04	31.1	3.94	29.0	3.72	28.0	3.62	24.9	3.30	22.8	3.08	17.6	2.55
		24.0	18.0	32.1	4.04	31.1	3.94	29.0	3.72	28.0	3.62	24.9	3.30	22.8	3.08	17.6	2.55

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	40%	-24.9	-25.0	25.7	6.62	24.9	6.56	23.2	6.43	22.4	6.36	19.9	6.07	18.3	5.83	14.1	5.02
		-19.8	-20.0	25.7	6.25	24.9	6.21	23.2	6.10	22.4	6.03	19.9	5.77	18.3	5.55	14.1	4.84
		-14.7	-15.0	25.7	5.78	24.9	5.75	23.2	5.66	22.4	5.61	19.9	5.39	18.3	5.19	14.1	4.56
		-9.6	-10.0	25.7	5.20	24.9	5.18	23.2	5.13	22.4	5.08	19.9	4.91	18.3	4.75	14.1	4.21
		-4.4	-5.0	25.7	4.53	24.9	4.53	23.2	4.50	22.4	4.48	19.9	4.36	18.3	4.24	14.1	3.79
		-1.8	-2.5	25.7	4.15	24.9	4.16	23.2	4.14	22.4	4.13	19.9	4.03	18.3	3.93	14.1	3.55
		0.8	0.0	25.7	3.72	24.9	3.73	23.2	3.74	22.4	3.74	19.9	3.68	18.3	3.61	14.1	3.29
		2.8	2.0	25.7	3.38	24.9	3.32	23.2	3.35	22.4	3.36	19.9	3.34	18.3	3.29	14.1	3.04
		6.0	5.0	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.86	18.3	2.85	14.1	2.69
		7.0	6.0	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.78	18.3	2.71	14.1	2.58
		8.6	7.5	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.78	18.3	2.61	14.1	2.42
		11.2	10.0	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.78	18.3	2.61	14.1	2.19
		16.4	15.0	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.78	18.3	2.61	14.1	2.19
		24.0	18.0	25.7	3.38	24.9	3.30	23.2	3.13	22.4	3.04	19.9	2.78	18.3	2.61	14.1	2.19

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	30%	-24.9	-25.0	19.3	4.88	18.7	4.86	17.4	4.79	16.8	4.74	14.9	4.57	13.7	4.41	10.6	3.89
		-19.8	-20.0	19.3	4.61	18.7	4.59	17.4	4.54	16.8	4.50	14.9	4.35	13.7	4.21	10.6	3.73
		-14.7	-15.0	19.3	4.26	18.7	4.25	17.4	4.21	16.8	4.18	14.9	4.06	13.7	3.94	10.6	3.52
		-9.6	-10.0	19.3	3.81	18.7	3.81	17.4	3.79	16.8	3.78	14.9	3.69	13.7	3.59	10.6	3.24
		-4.4	-5.0	19.3	3.26	18.7	3.28	17.4	3.29	16.8	3.29	14.9	3.24	13.7	3.18	10.6	2.91
		-1.8	-2.5	19.3	2.96	18.7	2.98	17.4	3.01	16.8	3.02	14.9	3.00	13.7	2.96	10.6	2.73
		0.8	0.0	19.3	2.72	18.7	2.69	17.4	2.73	16.8	2.74	14.9	2.75	13.7	2.72	10.6	2.55
		2.8	2.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.48	14.9	2.50	13.7	2.49	10.6	2.37
		6.0	5.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.18	10.6	2.12
		7.0	6.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.14	10.6	2.04
		8.6	7.5	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.14	10.6	1.92
		11.2	10.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.14	10.6	1.82
		16.4	15.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.14	10.6	1.82
		24.0	18.0	19.3	2.72	18.7	2.66	17.4	2.53	16.8	2.46	14.9	2.27	13.7	2.14	10.6	1.82

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-13. U-20ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	100%	-10.0	37.3	4.36	44.8	5.22	52.3	6.09	56.0	6.52	63.5	7.39	70.9	8.26	78.4	9.12
		-5.0	37.3	4.37	44.8	5.24	52.3	6.11	56.0	6.55	63.5	7.42	70.9	8.29	78.4	9.15
		0.0	37.3	4.39	44.8	5.26	52.3	6.14	56.0	6.57	63.5	7.44	70.9	8.31	78.4	9.18
		5.0	37.3	4.42	44.8	5.30	52.3	6.17	56.0	6.61	63.5	7.50	70.9	8.42	78.4	9.33
		10.0	37.3	4.46	44.8	5.35	52.3	6.28	56.0	6.76	63.5	7.75	70.9	8.76	78.4	9.72
		15.0	37.3	4.62	44.8	5.67	52.3	6.79	56.0	7.36	63.5	8.53	70.9	9.73	78.4	10.79
		20.0	37.3	5.78	44.8	7.20	52.3	8.47	56.0	9.16	63.5	10.64	70.9	12.26	78.4	14.02
		25.0	37.3	7.48	44.8	8.97	52.3	10.60	56.0	11.48	63.5	13.33	70.9	15.34	78.4	17.49
		30.0	37.3	9.08	44.8	10.93	52.3	12.94	56.0	14.00	63.5	16.24	70.9	18.65	78.4	21.22
		35.0	37.3	10.81	44.8	13.04	52.3	15.45	56.0	16.71	63.5	19.38	70.9	22.22	75.6	23.38
		40.0	37.3	12.66	44.8	15.31	52.3	18.15	56.0	19.64	63.5	22.76	67.1	23.38	69.9	23.38
		43.0	37.3	13.85	44.8	16.76	52.3	19.88	56.0	21.51	61.2	23.38	63.6	23.00	64.9	21.85
		46.0	37.0	14.95	44.4	18.13	47.1	18.42	47.6	17.96	48.9	17.19	50.5	16.58	52.4	16.10
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	90%	-10.0	33.6	3.46	40.3	4.35	47.0	5.23	50.4	5.66	57.1	6.51	63.8	7.34	70.6	8.15
		-5.0	33.6	3.47	40.3	4.37	47.0	5.25	50.4	5.68	57.1	6.53	63.8	7.36	70.6	8.17
		0.0	33.6	3.49	40.3	4.39	47.0	5.28	50.4	5.71	57.1	6.56	63.8	7.39	70.6	8.20
		5.0	33.6	3.52	40.3	4.43	47.0	5.31	50.4	5.74	57.1	6.59	63.8	7.42	70.6	8.25
		10.0	33.6	3.56	40.3	4.47	47.0	5.35	50.4	5.80	57.1	6.69	63.8	7.58	70.6	8.46
		15.0	33.6	3.63	40.3	4.61	47.0	5.60	50.4	6.10	57.1	7.09	63.8	8.08	70.6	9.05
		20.0	33.6	4.29	40.3	5.53	47.0	6.75	50.4	7.34	57.1	8.50	63.8	9.60	70.6	10.75
		25.0	33.6	6.32	40.3	7.51	47.0	8.75	50.4	9.38	57.1	10.69	63.8	12.04	70.6	13.42
		30.0	33.6	7.77	40.3	9.22	47.0	10.71	50.4	11.46	57.1	13.00	63.8	14.57	70.6	16.19
		35.0	33.6	9.65	40.3	11.41	47.0	13.20	50.4	14.11	57.1	15.95	63.8	17.85	70.6	19.81
		40.0	33.6	11.27	40.3	13.30	47.0	15.36	50.4	16.41	57.1	18.54	63.8	20.76	69.9	23.38
		43.0	33.6	12.28	40.3	14.48	47.0	16.71	50.4	17.85	57.1	20.19	63.6	23.00	64.9	21.85
		46.0	33.6	13.06	40.3	15.60	47.0	18.26	47.6	17.96	48.9	17.19	50.5	16.58	52.4	16.10
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	80%	-10.0	29.9	2.95	35.8	3.76	41.8	4.56	44.8	4.95	50.8	5.72	56.7	6.47	62.7	7.21
		-5.0	29.9	2.96	35.8	3.78	41.8	4.57	44.8	4.97	50.8	5.74	56.7	6.49	62.7	7.23
		0.0	29.9	2.98	35.8	3.80	41.8	4.59	44.8	4.99	50.8	5.76	56.7	6.52	62.7	7.26
		5.0	29.9	3.00	35.8	3.82	41.8	4.62	44.8	5.02	50.8	5.79	56.7	6.55	62.7	7.29
		10.0	29.9	3.04	35.8	3.86	41.8	4.66	44.8	5.06	50.8	5.83	56.7	6.59	62.7	7.35
		15.0	29.9	3.09	35.8	3.91	41.8	4.74	44.8	5.16	50.8	5.99	56.7	6.81	62.7	7.62
		20.0	29.9	3.35	35.8	4.32	41.8	5.28	44.8	5.75	50.8	6.68	56.7	7.57	62.7	8.44
		25.0	29.9	5.37	35.8	6.27	41.8	7.18	44.8	7.65	50.8	8.59	56.7	9.55	62.7	10.52
		30.0	29.9	6.64	35.8	7.76	41.8	8.89	44.8	9.46	50.8	10.61	56.7	11.75	62.7	12.91
		35.0	29.9	8.28	35.8	9.68	41.8	11.07	44.8	11.77	50.8	13.16	56.7	14.55	62.7	15.95
		40.0	29.9	9.72	35.8	11.35	41.8	12.96	44.8	13.76	50.8	15.37	56.7	16.98	62.7	18.62
		43.0	29.9	10.61	35.8	12.38	41.8	14.13	44.8	15.01	50.8	16.76	56.7	18.53	62.7	20.35
		46.0	29.9	11.22	35.8	13.19	41.8	15.22	44.8	16.26	48.9	17.19	50.5	16.58	52.4	16.10
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	70%	-10.0	26.1	2.43	31.4	3.16	36.6	3.87	39.2	4.22	44.4	4.91	49.7	5.58	54.9	6.25
		-5.0	26.1	2.45	31.4	3.17	36.6	3.88	39.2	4.23	44.4	4.92	49.7	5.60	54.9	6.26
		0.0	26.1	2.46	31.4	3.19	36.6	3.90	39.2	4.25	44.4	4.94	49.7	5.62	54.9	6.29
		5.0	26.1	2.48	31.4	3.21	36.6	3.92	39.2	4.27	44.4	4.97	49.7	5.65	54.9	6.31
		10.0	26.1	2.51	31.4	3.24	36.6	3.96	39.2	4.31	44.4	5.00	49.7	5.68	54.9	6.34
		15.0	26.1	2.55	31.4	3.29	36.6	4.00	39.2	4.35	44.4	5.05	49.7	5.74	54.9	6.42
		20.0	26.1	2.64	31.4	3.41	36.6	4.18	39.2	4.56	44.4	5.31	49.7	6.05	54.9	6.77
		25.0	26.1	3.85	31.4	4.70	36.6	5.49	39.2	5.87	44.4	6.60	49.7	7.31	54.9	7.99
		30.0	26.1	5.60	31.4	6.44	36.6	7.27	39.2	7.68	44.4	8.49	49.7	9.29	54.9	10.07
		35.0	26.1	7.03	31.4	8.10	36.6	9.15	39.2	9.66	44.4	10.67	49.7	11.67	54.9	12.64
		40.0	26.1	8.28	31.4	9.55	36.6	10.78	39.2	11.38	44.4	12.57	49.7	13.73	54.9	14.88
		43.0	26.1	9.05	31.4	10.44	36.6	11.79	39.2	12.45	44.4	13.75	49.7	15.02	54.9	16.28
		46.0	26.1	9.55	31.4	11.06	36.6	12.56	39.2	13.31	44.4	14.82	49.7	15.79	52.4	16.10
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-20ME2E8 (Cooling)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	60%	-10.0	22.4	1.91	26.9	2.54	31.4	3.16	33.6	3.47	38.1	4.07	42.6	4.67	47.0	5.25
		-5.0	22.4	1.92	26.9	2.55	31.4	3.17	33.6	3.48	38.1	4.09	42.6	4.68	47.0	5.26
		0.0	22.4	1.93	26.9	2.57	31.4	3.19	33.6	3.50	38.1	4.10	42.6	4.70	47.0	5.28
		5.0	22.4	1.95	26.9	2.58	31.4	3.21	33.6	3.51	38.1	4.12	42.6	4.72	47.0	5.30
		10.0	22.4	1.97	26.9	2.61	31.4	3.23	33.6	3.54	38.1	4.15	42.6	4.75	47.0	5.33
		15.0	22.4	2.01	26.9	2.65	31.4	3.27	33.6	3.58	38.1	4.19	42.6	4.79	47.0	5.37
		20.0	22.4	2.08	26.9	2.71	31.4	3.33	33.6	3.64	38.1	4.25	42.6	4.86	47.0	5.45
		25.0	22.4	2.47	26.9	3.14	31.4	3.79	33.6	4.11	38.1	4.73	42.6	5.34	47.0	5.93
		30.0	22.4	4.68	26.9	5.27	31.4	5.85	33.6	6.12	38.1	6.66	42.6	7.17	47.0	7.66
		35.0	22.4	5.88	26.9	6.67	31.4	7.42	33.6	7.78	38.1	8.47	42.6	9.14	47.0	9.78
		40.0	22.4	6.94	26.9	7.90	31.4	8.81	33.6	9.24	38.1	10.09	42.6	10.89	47.0	11.66
		43.0	22.4	7.60	26.9	8.66	31.4	9.66	33.6	10.15	38.1	11.08	42.6	11.97	47.0	12.82
		46.0	22.4	8.06	26.9	9.16	31.4	10.24	33.6	10.77	38.1	11.81	42.6	12.82	47.0	13.81
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	50%	-10.0	18.7	1.38	22.4	1.92	26.1	2.44	28.0	2.70	31.7	3.22	35.5	3.72	39.2	4.22
		-5.0	18.7	1.39	22.4	1.92	26.1	2.45	28.0	2.71	31.7	3.23	35.5	3.73	39.2	4.23
		0.0	18.7	1.40	22.4	1.93	26.1	2.46	28.0	2.72	31.7	3.24	35.5	3.75	39.2	4.24
		5.0	18.7	1.41	22.4	1.95	26.1	2.48	28.0	2.74	31.7	3.25	35.5	3.76	39.2	4.26
		10.0	18.7	1.43	22.4	1.97	26.1	2.50	28.0	2.76	31.7	3.28	35.5	3.78	39.2	4.28
		15.0	18.7	1.46	22.4	2.00	26.1	2.53	28.0	2.79	31.7	3.31	35.5	3.81	39.2	4.31
		20.0	18.7	1.51	22.4	2.05	26.1	2.58	28.0	2.84	31.7	3.35	35.5	3.86	39.2	4.35
		25.0	18.7	1.61	22.4	2.15	26.1	2.68	28.0	2.94	31.7	3.92	35.5	3.96	39.2	4.45
		30.0	18.7	3.86	22.4	4.15	26.1	4.11	28.0	4.19	31.7	4.44	35.5	4.77	39.2	5.14
		35.0	18.7	4.84	22.4	5.38	26.1	5.89	28.0	6.12	31.7	6.56	35.5	6.97	39.2	7.33
		40.0	18.7	5.72	22.4	6.41	26.1	7.04	28.0	7.33	31.7	7.89	35.5	8.40	39.2	8.88
		43.0	18.7	6.27	22.4	7.04	26.1	7.75	28.0	8.08	31.7	8.71	35.5	9.29	39.2	9.83
		46.0	18.7	6.72	22.4	7.50	26.1	8.24	28.0	8.59	31.7	9.26	35.5	9.90	39.2	10.50
		52.0	16.1	7.05	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	40%	-10.0	14.9	0.84	17.9	1.28	20.9	1.71	22.4	1.92	25.4	2.34	28.4	2.76	31.4	3.17
		-5.0	14.9	0.85	17.9	1.28	20.9	1.71	22.4	1.93	25.4	2.35	28.4	2.76	31.4	3.18
		0.0	14.9	0.85	17.9	1.29	20.9	1.72	22.4	1.93	25.4	2.35	28.4	2.77	31.4	3.19
		5.0	14.9	0.86	17.9	1.30	20.9	1.73	22.4	1.95	25.4	2.37	28.4	2.79	31.4	3.21
		10.0	14.9	0.88	17.9	1.32	20.9	1.75	22.4	1.96	25.4	2.38	28.4	2.80	31.4	3.23
		15.0	14.9	0.90	17.9	1.34	20.9	1.77	22.4	1.98	25.4	2.40	28.4	2.83	31.4	3.25
		20.0	14.9	0.93	17.9	1.37	20.9	1.80	22.4	2.02	25.4	2.44	28.4	2.86	31.4	3.29
		25.0	14.9	1.01	17.9	1.44	20.9	1.87	22.4	2.08	25.4	2.49	28.4	2.91	31.4	3.34
		30.0	14.9	1.77	17.9	1.88	20.9	2.16	22.4	2.32	25.4	2.67	28.4	3.12	31.4	3.65
		35.0	14.9	3.91	17.9	4.26	20.9	4.57	22.4	4.70	25.4	4.95	28.4	5.25	31.4	5.65
		40.0	14.9	4.61	17.9	5.07	20.9	5.47	22.4	5.65	25.4	5.98	28.4	6.27	31.4	6.52
		43.0	14.9	5.04	17.9	5.57	20.9	6.03	22.4	6.25	25.4	6.63	28.4	6.97	31.4	7.26
		46.0	14.9	5.53	17.9	6.05	20.9	6.53	22.4	6.74	25.4	7.15	28.4	7.51	31.4	7.83
		52.0	14.9	6.37	17.5	7.11	19.2	7.22	20.2	7.29	22.2	7.46	24.5	7.64	27.0	7.83

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
			14.0		16.0		18.0		19.0		21.0		23.0		25.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	30%	-10.0	11.2	0.29	13.4	0.62	15.7	0.96	16.8	1.13	19.0	1.46	21.3	1.79	23.5	2.11
		-5.0	11.2	0.30	13.4	0.63	15.7	0.96	16.8	1.13	19.0	1.47	21.3	1.80	23.5	2.12
		0.0	11.2	0.30	13.4	0.63	15.7	0.97	16.8	1.14	19.0	1.48	21.3	1.81	23.5	2.14
		5.0	11.2	0.31	13.4	0.64	15.7	0.98	16.8	1.15	19.0	1.50	21.3	1.83	23.5	2.16
		10.0	11.2	0.32	13.4	0.65	15.7	0.99	16.8	1.17	19.0	1.51	21.3	1.85	23.5	2.18
		15.0	11.2	0.33	13.4	0.67	15.7	1.01	16.8	1.19	19.0	1.54	21.3	1.88	23.5	2.21
		20.0	11.2	0.36	13.4	0.69	15.7	1.04	16.8	1.22	19.0	1.57	21.3	1.92	23.5	2.25
		25.0	11.2	0.41	13.4	0.73	15.7	1.09	16.8	1.27	19.0	1.63	21.3	1.97	23.5	2.34
		30.0	11.2	0.53	13.4	0.83	15.7	1.18	16.8	1.40	19.0	1.86	21.3	2.33	23.5	2.77
		35.0	11.2	3.09	13.4	3.29	15.7	3.53	16.8	3.68	19.0	3.99	21.3	4.30	23.5	4.60
		40.0	11.2	3.60	13.4	3.88	15.7	4.11	16.8	4.21	19.0	4.37	21.3	4.50	23.5	4.60
		43.0	11.2	3.93	13.4	4.25	15.7	4.53	16.8	4.65	19.0	4.85	21.3	5.01	23.5	5.13
		46.0	11.2	4.48	13.4	4.80	15.7	5.08	16.8	5.20	19.0	5.41	21.3	5.58	23.5	5.71
		52.0	11.2	5.08	13.4	5.50	15.7	5.86	16.8	6.03	19.0	6.19	21.3	6.27	23.5	6.30

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

3-14. U-20ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	100%	-24.9	-25.0	47.1	18.30	45.9	17.96	43.4	17.24	42.2	16.86	38.3	15.64	35.6	14.77	28.6	12.33
		-19.8	-20.0	49.5	18.73	48.2	18.37	45.7	17.62	44.3	17.23	40.3	15.96	37.5	15.05	30.1	12.54
		-14.7	-15.0	52.9	19.37	51.5	18.99	48.8	18.19	47.4	17.77	43.1	16.44	40.1	15.48	32.2	12.85
		-9.6	-10.0	57.4	20.28	56.0	19.87	53.0	19.00	51.5	18.54	46.9	17.10	43.6	16.07	35.1	13.26
		-4.4	-5.0	63.3	21.44	61.7	20.95	58.4	19.93	56.8	19.53	51.6	17.93	48.1	16.81	38.6	13.77
		-1.8	-2.5	66.8	22.23	65.1	21.73	61.6	20.70	59.9	20.16	54.5	18.49	50.7	17.30	39.7	13.69
		0.8	0.0	69.8	22.40	68.9	22.32	65.2	21.25	63.0	20.50	56.0	18.12	51.3	16.58	39.7	12.86
		2.8	2.0	72.3	21.99	70.0	21.22	65.3	19.71	63.0	18.97	56.0	16.79	51.3	15.38	39.7	11.98
		6.0	5.0	72.3	19.33	70.0	18.67	65.3	17.38	63.0	16.74	56.0	14.87	51.3	13.63	39.7	10.69
		7.0	6.0	72.3	18.47	70.0	17.85	65.3	16.62	63.0	16.00	56.0	14.23	51.3	13.07	39.7	10.28
		8.6	7.5	72.3	17.18	70.0	16.61	65.3	15.49	63.0	14.94	56.0	13.32	51.3	12.26	39.7	9.69
		11.2	10.0	72.3	15.18	70.0	14.70	65.3	13.75	63.0	13.29	56.0	11.90	51.3	11.00	39.7	8.77
		16.4	15.0	72.3	11.68	70.0	11.34	65.3	10.68	63.0	10.34	56.0	9.34	51.3	8.67	39.7	6.99
		24.0	18.0	72.3	9.66	70.0	9.39	65.3	8.83	63.0	8.55	56.0	7.70	51.3	7.13	39.7	5.72

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	90%	-24.9	-25.0	47.1	18.30	45.9	17.96	43.4	17.24	42.2	16.86	38.3	15.64	35.6	14.77	28.6	12.33
		-19.8	-20.0	49.5	18.73	48.2	18.37	45.7	17.62	44.3	17.23	40.3	15.96	37.5	15.05	30.1	12.54
		-14.7	-15.0	52.9	19.37	51.5	18.99	48.8	18.19	47.4	17.77	43.1	16.44	40.1	15.48	32.2	12.85
		-9.6	-10.0	57.4	20.28	56.0	19.87	53.0	19.00	51.5	18.54	46.9	17.10	43.6	16.07	35.1	13.26
		-4.4	-5.0	63.3	21.44	61.7	20.95	58.4	19.93	56.7	19.53	50.4	16.67	46.2	15.40	35.7	12.23
		-1.8	-2.5	65.1	19.72	63.0	19.13	58.8	17.96	56.7	17.37	50.4	15.62	46.2	14.45	35.7	11.52
		0.8	0.0	65.1	18.22	63.0	17.69	58.8	16.63	56.7	16.10	50.4	14.51	46.2	13.44	35.7	10.77
		2.8	2.0	65.1	16.72	63.0	16.24	58.8	15.30	56.7	14.83	50.4	13.40	46.2	12.45	35.7	10.09
		6.0	5.0	65.1	14.68	63.0	14.32	58.8	13.58	56.7	13.21	50.4	12.04	46.2	11.21	35.7	9.06
		7.0	6.0	65.1	14.30	63.0	13.91	58.8	13.12	56.7	12.72	50.4	11.53	46.2	10.73	35.7	8.71
		8.6	7.5	65.1	13.25	63.0	12.90	58.8	12.19	56.7	11.84	50.4	10.76	46.2	10.04	35.7	8.20
		11.2	10.0	65.1	11.60	63.0	11.32	58.8	10.74	56.7	10.45	50.4	9.57	46.2	8.97	35.7	7.40
		16.4	15.0	65.1	8.69	63.0	8.52	58.8	8.16	56.7	7.97	50.4	7.38	46.2	6.96	35.7	5.84
		24.0	18.0	65.1	8.31	63.0	8.09	58.8	7.64	56.7	7.42	50.4	6.75	46.2	6.30	35.7	5.18

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	80%	-24.9	-25.0	47.1	18.30	45.9	17.96	43.4	17.24	42.2	16.86	38.3	15.64	35.6	14.77	28.6	12.33
		-19.8	-20.0	49.5	18.73	48.2	18.37	45.7	17.62	44.3	17.23	40.3	15.96	37.5	15.05	30.1	12.54
		-14.7	-15.0	52.9	19.37	51.5	18.99	48.8	18.19	47.4	17.77	43.1	16.44	40.1	15.48	31.7	12.85
		-9.6	-10.0	57.4	20.28	56.0	19.87	52.3	16.92	50.4	16.44	44.8	14.96	41.1	13.95	31.7	11.29
		-4.4	-5.0	57.9	16.18	56.0	15.79	52.3	15.00	50.4	14.60	44.8	13.35	41.1	12.49	31.7	10.24
		-1.8	-2.5	57.9	15.01	56.0	14.67	52.3	13.96	50.4	13.60	44.8	12.47	41.1	11.70	31.7	9.67
		0.8	0.0	57.9	13.76	56.0	13.49	52.3	12.91	50.4	12.61	44.8	11.65	41.1	10.96	31.7	9.10
		2.8	2.0	57.9	12.76	56.0	12.52	52.3	12.00	50.4	11.73	44.8	10.86	41.1	10.23	31.7	8.53
		6.0	5.0	57.9	11.34	56.0	11.13	52.3	10.69	50.4	10.46	44.8	9.71	41.1	9.15	31.7	7.63
		7.0	6.0	57.9	10.95	56.0	10.73	52.3	10.26	50.4	10.03	44.8	9.28	41.1	8.76	31.7	7.34
		8.6	7.5	57.9	10.08	56.0	9.89	52.3	9.50	50.4	9.29	44.8	8.64	41.1	8.18	31.7	6.91
		11.2	10.0	57.9	8.73	56.0	8.59	52.3	8.30	50.4	8.14	44.8	7.64	41.1	7.27	31.7	6.23
		16.4	15.0	57.9	7.54	56.0	7.34	52.3	6.95	50.4	6.75	44.8	6.15	41.1	5.75	31.7	4.88
		24.0	18.0	57.9	7.54	56.0	7.34	52.3	6.95	50.4	6.75	44.8	6.15	41.1	5.75	31.7	4.76

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	70%	-24.9	-25.0	47.1	18.30	45.9	17.96	43.4	17.24	42.2	16.86	38.3	15.64	35.6	14.77	27.8	11.01
		-19.8	-20.0	49.5	18.73	48.2	18.37	45.7	17.62	44.1	15.19	39.2	13.81	35.9	12.94	27.8	10.61
		-14.7	-15.0	50.6	15.51	49.0	15.20	45.7	14.55	44.1	14.21	39.2	13.13	35.9	12.35	27.8	10.15
		-9.6	-10.0	50.6	14.01	49.0	13.75	45.7	13.19	44.1	12.90	39.2	11.97	35.9	11.33	27.8	9.51
		-4.4	-5.0	50.6	12.41	49.0	12.21	45.7	11.78	44.1	11.55	39.2	10.80	35.9	10.24	27.8	8.65
		-1.8	-2.5	50.6	11.59	49.0	11.42	45.7	11.04	44.1	10.83	39.2	10.14	35.9	9.64	27.8	8.17
		0.8	0.0	50.6	10.74	49.0	10.59	45.7	10.25	44.1	10.07	39.2	9.46	35.9	9.00	27.8	7.68
		2.8	2.0	50.6	9.90	49.0	9.77	45.7	9.48	44.1	9.33	39.2	8.79	35.9	8.38	27.8	7.18
		6.0	5.0	50.6	8.69	49.0	8.59	45.7	8.37	44.1	8.24	39.2	7.78	35.9	7.44	27.8	6.38
		7.0	6.0	50.6	8.28	49.0	8.18	45.7	7.96	44.1	7.83	39.2	7.42	35.9	7.10	27.8	6.17
		8.6	7.5	50.6	7.58	49.0	7.50	45.7	7.33	44.1	7.23	39.2	6.89	35.9	6.62	27.8	5.80
		11.2	10.0	50.6	6.77	49.0	6.60	45.7	6.38	44.1	6.31	39.2	6.07	35.9	5.87	27.8	5.23
		16.4	15.0	50.6	6.77	49.0	6.60	45.7	6.25	44.1	6.08	39.2	5.55	35.9	5.20	27.8	4.33
		24.0	18.0	50.6	6.77	49.0	6.60	45.7	6.25	44.1	6.08	39.2	5.55	35.9	5.20	27.8	4.33

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".

3. Part Load of Outdoor Unit

U-20ME2E8 (Heating)

Part Load Ratio 30-100%

TC: Total capacity (kW), PI: Power input (kW)

Combination :Indoor/outdoor capacity ratio	:Part load ratio	Outdoor air temp.		Indoor air temp. : °CDB													
				16.0		17.0		19.0		20.0		23.0		25.0		30.0	
				TC	PI	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	kW	kW
100%	60%	-24.9	-25.0	43.4	13.62	42.0	13.40	39.2	12.93	37.8	12.68	33.6	11.81	30.8	11.10	23.8	9.24
		-19.8	-20.0	43.4	12.84	42.0	12.66	39.2	12.26	37.8	12.04	33.6	11.30	30.8	10.74	23.8	8.93
		-14.7	-15.0	43.4	12.00	42.0	11.84	39.2	11.48	37.8	11.28	33.6	10.61	30.8	10.11	23.8	8.62
		-9.6	-10.0	43.4	10.96	42.0	10.82	39.2	10.52	37.8	10.35	33.6	9.77	30.8	9.33	23.8	8.00
		-4.4	-5.0	43.4	9.72	42.0	9.62	39.2	9.38	37.8	9.25	33.6	8.77	30.8	8.40	23.8	7.27
		-1.8	-2.5	43.4	9.05	42.0	8.96	39.2	8.76	37.8	8.64	33.6	8.22	30.8	7.89	23.8	6.86
		0.8	0.0	43.4	8.34	42.0	8.27	39.2	8.11	37.8	8.01	33.6	7.65	30.8	7.36	23.8	6.44
		2.8	2.0	43.4	7.64	42.0	7.59	39.2	7.47	37.8	7.39	33.6	7.09	30.8	6.84	23.8	6.02
		6.0	5.0	43.4	6.59	42.0	6.56	39.2	6.47	37.8	6.41	33.6	6.20	30.8	6.00	23.8	5.32
		7.0	6.0	43.4	6.21	42.0	6.19	39.2	6.13	37.8	6.08	33.6	5.90	30.8	5.74	23.8	5.16
		8.6	7.5	43.4	6.00	42.0	5.85	39.2	5.64	37.8	5.61	33.6	5.48	30.8	5.35	23.8	4.86
		11.2	10.0	43.4	6.00	42.0	5.85	39.2	5.55	37.8	5.40	33.6	4.96	30.8	4.75	23.8	4.38
		16.4	15.0	43.4	6.00	42.0	5.85	39.2	5.55	37.8	5.40	33.6	4.96	30.8	4.66	23.8	3.91
		24.0	18.0	43.4	6.00	42.0	5.85	39.2	5.55	37.8	5.40	33.6	4.96	30.8	4.66	23.8	3.91
100%	50%	-24.9	-25.0	36.2	10.67	35.0	10.55	32.7	10.27	31.5	10.12	28.0	9.59	25.7	9.16	19.8	7.75
		-19.8	-20.0	36.2	10.13	35.0	10.03	32.7	9.78	31.5	9.65	28.0	9.15	25.7	8.77	19.8	7.56
		-14.7	-15.0	36.2	9.43	35.0	9.35	32.7	9.14	31.5	9.02	28.0	8.59	25.7	8.24	19.8	7.17
		-9.6	-10.0	36.2	8.58	35.0	8.51	32.7	8.35	31.5	8.25	28.0	7.89	25.7	7.60	19.8	6.65
		-4.4	-5.0	36.2	7.57	35.0	7.53	32.7	7.42	31.5	7.35	28.0	7.07	25.7	6.83	19.8	6.04
		-1.8	-2.5	36.2	7.02	35.0	7.00	32.7	6.91	31.5	6.85	28.0	6.62	25.7	6.41	19.8	5.71
		0.8	0.0	36.2	6.45	35.0	6.44	32.7	6.38	31.5	6.34	28.0	6.16	25.7	5.98	19.8	5.36
		2.8	2.0	36.2	5.87	35.0	5.86	32.7	5.83	31.5	5.80	28.0	5.65	25.7	5.51	19.8	4.98
		6.0	5.0	36.2	5.23	35.0	5.11	32.7	4.98	31.5	4.97	28.0	4.91	25.7	4.82	19.8	4.43
		7.0	6.0	36.2	5.23	35.0	5.11	32.7	4.86	31.5	4.73	28.0	4.68	25.7	4.61	19.8	4.29
		8.6	7.5	36.2	5.23	35.0	5.11	32.7	4.86	31.5	4.73	28.0	4.36	25.7	4.31	19.8	4.05
		11.2	10.0	36.2	5.23	35.0	5.11	32.7	4.86	31.5	4.73	28.0	4.36	25.7	4.11	19.8	3.67
		16.4	15.0	36.2	5.23	35.0	5.11	32.7	4.86	31.5	4.73	28.0	4.36	25.7	4.11	19.8	3.49
		24.0	18.0	36.2	5.23	35.0	5.11	32.7	4.86	31.5	4.73	28.0	4.36	25.7	4.11	19.8	3.49
100%	40%	-24.9	-25.0	28.9	8.28	28.0	8.22	26.1	8.06	25.2	7.96	22.4	7.62	20.5	7.34	15.9	6.38
		-19.8	-20.0	28.9	7.86	28.0	7.80	26.1	7.67	25.2	7.59	22.4	7.27	20.5	7.01	15.9	6.18
		-14.7	-15.0	28.9	7.30	28.0	7.26	26.1	7.16	25.2	7.09	22.4	6.83	20.5	6.60	15.9	5.84
		-9.6	-10.0	28.9	6.63	28.0	6.61	26.1	6.53	25.2	6.48	22.4	6.27	20.5	6.08	15.9	5.43
		-4.4	-5.0	28.9	5.84	28.0	5.84	26.1	5.80	25.2	5.77	22.4	5.62	20.5	5.48	15.9	4.95
		-1.8	-2.5	28.9	5.40	28.0	5.40	26.1	5.38	25.2	5.36	22.4	5.24	20.5	5.12	15.9	4.66
		0.8	0.0	28.9	4.89	28.0	4.90	26.1	4.91	25.2	4.91	22.4	4.84	20.5	4.75	15.9	4.37
		2.8	2.0	28.9	4.46	28.0	4.43	26.1	4.46	25.2	4.46	22.4	4.43	20.5	4.38	15.9	4.08
		6.0	5.0	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.88	20.5	3.86	15.9	3.67
		7.0	6.0	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.76	20.5	3.70	15.9	3.54
		8.6	7.5	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.76	20.5	3.56	15.9	3.36
		11.2	10.0	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.76	20.5	3.56	15.9	3.07
		16.4	15.0	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.76	20.5	3.56	15.9	3.07
		24.0	18.0	28.9	4.46	28.0	4.36	26.1	4.16	25.2	4.06	22.4	3.76	20.5	3.56	15.9	3.07
100%	30%	-24.9	-25.0	21.7	6.22	21.0	6.20	19.6	6.12	18.9	6.06	16.8	5.85	15.4	5.67	11.9	5.05
		-19.8	-20.0	21.7	5.91	21.0	5.89	19.6	5.82	18.9	5.78	16.8	5.60	15.4	5.43	11.9	4.87
		-14.7	-15.0	21.7	5.50	21.0	5.49	19.6	5.44	18.9	5.41	16.8	5.26	15.4	5.12	11.9	4.62
		-9.6	-10.0	21.7	4.98	21.0	4.98	19.6	4.95	18.9	4.93	16.8	4.82	15.4	4.71	11.9	4.30
		-4.4	-5.0	21.7	4.33	21.0	4.35	19.6	4.36	18.9	4.36	16.8	4.31	15.4	4.23	11.9	3.92
		-1.8	-2.5	21.7	3.99	21.0	4.01	19.6	4.04	18.9	4.05	16.8	4.02	15.4	3.97	11.9	3.71
		0.8	0.0	21.7	3.69	21.0	3.67	19.6	3.71	18.9	3.72	16.8	3.73	15.4	3.70	11.9	3.50
		2.8	2.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.42	16.8	3.44	15.4	3.43	11.9	3.29
		6.0	5.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.07	11.9	2.99
		7.0	6.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.02	11.9	2.90
		8.6	7.5	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.02	11.9	2.76
		11.2	10.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.02	11.9	2.64
		16.4	15.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.02	11.9	2.64
		24.0	18.0	21.7	3.69	21.0	3.61	19.6	3.46	18.9	3.39	16.8	3.17	15.4	3.02	11.9	2.64

The above table shows the characteristics of Part Load (Total capacity and Power input) while all connected indoor units are operating at 100% ratio indoor and outdoor capacity.

* When choosing a model of outdoor unit, use the table under the Section 8 "1. Capacity of Outdoor Unit".