

5. CAPACITIES AND SELECTION DATA

5. Capacities and Selection Data

5.1 Capacity Characteristic Charts

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

Conditions:

- ① Pipe length/height difference : 5m / 0m
- ② Compressor at rated inverter frequency
- ③ Indoor fan speed at high fan speed
- ④ Capacity loss due to white frost and defrost operation is not included.

Duct

9K

COOLING CAPACITY(kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	2.6	2.5	2.3	2.3	2.1	2.0
16	22	2.8	2.7	2.6	2.4	2.3	2.2
18	25	2.9	2.8	2.8	2.7	2.6	2.4
19	27	3.1	3.0	3.0	2.9	2.8	2.7
19.5	27	3.2	3.1	3.0	3.0	2.8	2.8
22	30	3.7	3.4	3.3	3.2	3.1	2.9
24	32	3.9	3.8	3.7	3.7	3.4	3.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	1.9	1.9	1.8	1.8	1.7	1.7	1.7
-11	-10	2.1	2.1	2.0	2.0	1.9	1.9	1.9
-6	-5	2.4	2.4	2.3	2.3	2.3	2.2	2.2
-1	0	2.8	2.8	2.6	2.6	2.5	2.5	2.5
6	7	3.1	3.1	3.1	3.1	3.1	3.1	3.0
9	10	3.2	3.2	3.2	3.2	3.2	3.2	3.1
14	15	3.3	3.2	3.2	3.2	3.2	3.2	3.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

12K

COOLING CAPACITY(kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	3.1	3.0	2.8	2.7	2.5	2.4
16	22	3.4	3.2	3.2	3.0	2.7	2.6
18	25	3.5	3.4	3.4	3.2	3.1	3.0
19	27	3.8	3.7	3.6	3.5	3.4	3.3
19.5	27	3.9	3.7	3.7	3.6	3.4	3.4
22	30	4.4	4.2	4.0	3.9	3.7	3.5
24	32	4.8	4.6	4.5	4.4	4.2	3.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	2.3	2.3	2.2	2.2	2.1	2.1	2.1
-11	-10	2.6	2.6	2.4	2.4	2.3	2.3	2.3
-6	-5	3.0	3.0	2.9	2.9	2.9	2.7	2.7
-1	0	3.4	3.4	3.2	3.2	3.1	3.1	3.1
6	7	3.8	3.8	3.8	3.8	3.8	3.8	3.7
9	10	3.9	3.9	3.9	3.9	3.9	3.9	3.8
14	15	4.0	3.9	3.9	3.9	3.9	3.9	3.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

18K

COOLING CAPACITY(kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	4.7	4.6	4.2	4.1	3.8	3.6
16	22	5.1	4.9	4.8	4.5	4.1	3.9
18	25	5.3	5.1	5.2	4.9	4.7	4.5
19	27	5.7	5.5	5.4	5.3	5.1	5.0
19.5	27	5.8	5.6	5.5	5.4	5.2	5.1
22	30	6.7	6.3	6.0	5.8	5.6	5.3
24	32	7.2	7.0	6.8	6.7	6.3	5.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	3.5	3.5	3.3	3.3	3.1	3.1	3.1
-11	-10	3.9	3.9	3.7	3.7	3.5	3.5	3.5
-6	-5	4.6	4.6	4.4	4.4	4.4	4.2	4.2
-1	0	5.2	5.2	4.9	4.9	4.8	4.8	4.8
6	7	5.8	5.8	5.8	5.8	5.8	5.8	5.6
9	10	6.0	5.9	5.9	5.9	5.9	5.9	5.8
14	15	6.2	6.0	6.0	6.0	6.0	6.0	5.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

24K(LSP)

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	6.3	6.2	5.8	5.6	5.2	4.9
16	22	6.9	6.6	6.5	6.0	5.6	5.3
18	25	7.2	6.9	7.1	6.6	6.3	6.0
19	27	7.8	7.5	7.3	7.2	6.9	6.8
19.5	27	7.9	7.6	7.5	7.3	7.1	6.9
22	30	9.1	8.5	8.2	7.9	7.6	7.2
24	32	9.8	9.5	9.2	9.1	8.5	7.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	4.8	4.8	4.5	4.5	4.3	4.3	4.3
-11	-10	5.3	5.3	5.1	5.1	4.8	4.8	4.8
-6	-5	6.2	6.2	6.0	6.0	6.0	5.7	5.7
-1	0	7.1	7.1	6.7	6.7	6.5	6.5	6.5
6	7	7.9	7.9	7.9	7.9	7.9	7.9	7.6
9	10	8.2	8.0	8.0	8.0	8.0	8.0	7.9
14	15	8.4	8.2	8.2	8.2	8.2	8.2	8.0

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

24K(MSP)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	6.4	6.3	5.8	5.7	5.2	5.1
16	22	7.0	6.7	6.6	6.1	5.7	5.6
18	25	7.3	7.0	7.1	6.7	6.4	6.3
19	27	7.9	7.6	7.5	7.3	7.0	7.0
19.5	27	8.1	7.7	7.6	7.5	7.1	7.1
22	30	9.2	8.6	8.3	8.1	7.7	7.6
24	32	10.0	9.6	9.4	9.2	8.6	8.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	4.9	4.9	4.6	4.4	4.4	4.4	4.4
-11	-10	5.3	5.3	5.2	4.9	4.9	4.9	4.9
-6	-5	6.3	6.3	6.0	6.0	6.0	5.8	5.8
-1	0	7.2	7.2	6.8	6.6	6.6	6.6	6.6
6	7	8.0	7.8	7.8	7.7	7.7	7.7	7.7
9	10	8.3	8.1	8.1	8.1	8.1	8.1	8.0
14	15	8.5	8.3	8.3	8.3	8.3	8.3	8.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

30K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	7.7	7.6	7.0	6.9	6.3	6.2
16	22	8.4	8.1	7.9	7.4	6.9	6.7
18	25	8.8	8.4	8.6	8.1	7.7	7.6
19	27	9.5	9.2	9.0	8.8	8.4	8.4
19.5	27	9.7	9.3	9.2	9.0	8.6	8.5
22	30	11.1	10.4	10.0	9.7	9.3	9.1
24	32	12.0	11.6	11.3	11.1	10.4	9.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	5.5	5.5	5.2	5.2	4.9	4.9	4.9
-11	-10	6.0	6.0	5.8	5.8	5.5	5.5	5.5
-6	-5	7.1	7.1	6.8	6.8	6.8	6.5	6.5
-1	0	8.1	8.1	7.7	7.7	7.4	7.4	7.4
6	7	9.0	8.8	8.8	8.8	8.7	8.7	8.7
9	10	9.3	9.1	9.1	9.1	9.1	9.1	9.0
14	15	9.6	9.3	9.3	9.3	9.3	9.3	9.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

36K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°CWB)	(°CDB)	20	25	32	35	40	45
14	20	10.2	10	9.8	9.5	9.0	8.0
16	22	10.6	10.5	10	10	9.4	8.4
18	25	11	10.8	10.6	10.2	9.8	8.8
19	27	11.5	11.2	10.7	10.5	9.9	9.0
19.5	27	11.6	11.4	11	10.7	10.2	9.4
22	30	11.8	11.6	11.2	10.9	10.6	9.8
24	32	12	11.8	11.4	11.2	10.8	10.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.3	8.0	8.3	8.0	7.8	7.6	7.3
-11	-10	9.0	8.7	8.2	8.0	7.8	7.8	7.4
-6	-5	9.5	9.2	9.0	8.8	8.5	8.3	7.6
-1	0	10.7	10.4	10	9.7	9.5	9.3	8.0
6	7	11.2	10.6	10.5	10.3	10.1	9.8	9
9	10	12.0	11.6	11.4	10.9	10.8	10.7	10.6
14	15	12.6	12	11.8	11.5	11	10.6	10.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

42K (Three-phase)

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	11.1	10.7	10.0	9.6	8.9	8.6
16	22	12.1	11.4	11.4	10.7	9.6	9.3
18	25	12.5	12.1	12.1	11.4	11.1	10.7
19	27	13.6	13.2	12.9	12.5	12.1	11.8
19.5	27	13.9	13.2	13.2	12.9	12.1	12.1
22	30	15.7	15.0	14.3	13.9	13.2	12.5
24	32	17.1	16.4	16.1	15.7	15.0	13.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.1	8.1	7.7	7.7	7.2	7.2	7.2
-11	-10	9.0	9.0	8.6	8.6	8.1	8.1	8.1
-6	-5	10.5	10.5	10.1	10.1	10.1	9.7	9.7
-1	0	12.1	12.1	11.4	11.4	11.0	11.0	11.0
6	7	13.4	13.4	13.4	13.4	13.4	13.4	13.0
9	10	13.8	13.6	13.6	13.6	13.6	13.6	13.4
14	15	14.3	13.8	13.8	13.8	13.8	13.8	13.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

42K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	11.0	10.8	10.0	9.7	9.0	8.5
16	22	12.0	11.5	11.3	10.5	9.7	9.3
18	25	12.5	12.0	12.2	11.5	11.0	10.5
19	27	13.5	13.0	12.8	12.5	12.0	11.7
19.5	27	13.7	13.3	13.0	12.8	12.2	12.0
22	30	15.7	14.8	14.2	13.7	13.3	12.5
24	32	17.0	16.5	16.0	15.7	14.8	13.5

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.1	8.1	7.7	7.7	7.3	7.3	7.3
-11	-10	9.0	9.0	8.6	8.6	8.1	8.1	8.1
-6	-5	10.5	10.5	10.1	10.1	10.1	9.7	9.7
-1	0	12.1	12.1	11.4	11.4	11.0	11.0	11.0
6	7	13.4	13.4	13.4	13.4	13.4	13.4	12.9
9	1	13.9	13.6	13.6	13.6	13.6	13.6	13.4
14	15	14.3	13.9	13.9	13.9	13.9	13.9	13.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

48K (Three-phase)

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.7	12.4	11.5	11.2	10.4	9.8
16	22	13.8	13.2	13.0	12.1	11.2	10.7
18	25	14.4	13.8	14.1	13.2	12.7	12.1
19	27	15.6	15.0	14.7	14.4	13.8	13.5
19.5	27	15.8	15.3	15.0	14.7	14.1	13.8
22	30	18.1	17.0	16.4	15.8	15.3	14.4
24	32	19.6	19.0	18.4	18.1	17.0	15.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	10.5	10.5	9.9	9.9	9.4	9.4	9.4
-11	-10	11.6	11.6	11.1	11.1	10.5	10.5	10.5
-6	-5	13.6	13.6	13.0	13.0	13.0	12.5	12.5
-1	0	15.6	15.6	14.7	14.7	14.2	14.2	14.2
6	7	17.3	17.3	17.3	17.3	17.3	17.3	16.7
9	10	17.9	17.6	17.6	17.6	17.6	17.6	17.3
14	15	18.4	17.9	17.9	17.9	17.9	17.9	17.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

48K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.4	12.1	11.3	11.0	10.2	9.6
16	22	13.5	13.0	12.7	11.8	11.0	10.4
18	25	14.1	13.5	13.8	13.0	12.4	11.8
19	27	15.2	14.7	14.4	14.1	13.5	13.3
19.5	27	15.5	14.9	14.7	14.4	13.8	13.5
22	30	17.8	16.6	16.1	15.5	14.9	14.1
24	32	19.2	18.6	18.0	17.8	16.6	15.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
°C WB	°C DB	20	25	27	28	30	31	32
-16	-	10.4	10.4	9.8	9.8	9.3	9.3	9.3
-11	-	11.5	11.5	10.9	10.9	10.4	10.4	10.4
-6	-	13.5	13.5	12.9	12.9	12.9	12.3	12.3
-1		15.4	15.4	14.6	14.6	14.0	14.0	14.0
6	7	17.1	17.1	17.1	17.1	17.1	17.1	16.5
9	1	17.7	17.4	17.4	17.4	17.4	17.4	17.1
14	15	18.2	17.7	17.7	17.7	17.7	17.7	17.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

60K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	15.4	15.1	14.0	13.7	12.6	11.9
16	22	16.8	16.1	15.8	14.7	13.7	13.0
18	25	17.5	16.8	17.2	16.1	15.4	14.7
19	27	18.9	18.2	17.9	17.5	16.8	16.5
19.5	27	19.3	18.6	18.2	17.9	17.2	16.8
22	30	22.1	20.7	20.0	19.3	18.6	17.5
24	32	23.8	23.1	22.4	22.1	20.7	18.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	11.2	11.2	10.6	10.6	10.0	10.0	10.0
-11	-10	12.4	12.4	11.8	11.8	11.2	11.2	11.2
-6	-5	14.6	14.6	14.0	14.0	14.0	13.3	13.3
-1	0	16.7	16.7	15.8	15.8	15.2	15.2	15.2
6	7	18.5	18.5	18.5	18.5	18.5	18.5	17.9
9	10	19.1	18.8	18.8	18.8	18.8	18.8	18.5
14	15	19.7	19.1	19.1	19.1	19.1	19.1	18.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

Cassette

9K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	2.5	2.4	2.3	2.2	2.0	1.9
16	22	2.7	2.6	2.6	2.4	2.2	2.1
18	25	2.8	2.7	2.8	2.6	2.5	2.4
19	27	3.1	3.0	2.9	2.8	2.7	2.7
19.5	27	3.1	3.0	3.0	2.9	2.8	2.7
22	30	3.6	3.4	3.2	3.1	3.0	2.8
24	32	3.9	3.8	3.6	3.6	3.4	3.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	1.9	1.9	1.8	1.8	1.7	1.7	1.7
-11	-10	2.1	2.1	2.0	2.0	1.9	1.9	1.9
-6	-5	2.5	2.5	2.4	2.4	2.4	2.3	2.3
-1	0	2.8	2.8	2.7	2.7	2.6	2.6	2.6
6	7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9	10	3.2	3.2	3.2	3.2	3.2	3.2	3.2
14	15	3.3	3.3	3.2	3.2	3.2	3.2	3.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

12K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	3.3	3.2	3.0	2.9	2.7	2.6
16	22	3.6	3.5	3.4	3.2	2.9	2.8
18	25	3.8	3.6	3.7	3.5	3.3	3.2
19	27	4.1	3.9	3.8	3.8	3.6	3.5
19.5	27	4.1	4.0	3.9	3.8	3.7	3.6
22	30	4.7	4.4	4.3	4.1	4.0	3.8
24	32	5.1	5.0	4.8	4.7	4.4	4.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	2.4	2.4	2.3	2.3	2.2	2.2	2.2
-11	-10	2.7	2.7	2.6	2.6	2.4	2.4	2.4
-6	-5	3.1	3.1	3.0	3.0	3.0	2.9	2.9
-1	0	3.6	3.6	3.4	3.4	3.3	3.3	3.3
6	7	4.0	4.0	4.0	4.0	4.0	4.0	3.9
9	10	4.1	4.1	4.1	4.1	4.1	4.1	4.0
14	15	4.3	4.1	4.1	4.1	4.1	4.1	4.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

18K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	4.6	4.5	4.2	4.1	3.7	3.5
16	22	5.0	4.8	4.7	4.4	4.1	3.9
18	25	5.2	5.0	5.1	4.8	4.6	4.4
19	27	5.6	5.4	5.3	5.2	5.0	4.9
19.5	27	5.7	5.5	5.4	5.3	5.1	5.0
22	30	6.6	6.1	5.9	5.7	5.5	5.2
24	32	7.1	6.9	6.7	6.6	6.1	5.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	3.6	3.6	3.4	3.4	3.2	3.2	3.2
-11	-10	4.0	4.0	3.8	3.8	3.6	3.6	3.6
-6	-5	4.6	4.6	4.5	4.5	4.5	4.3	4.3
-1	0	5.3	5.3	5.0	5.0	4.8	4.8	4.8
6	7	5.9	5.9	5.9	5.9	5.9	5.9	5.7
9	10	6.1	6.0	6.0	6.0	6.0	6.0	5.9
14	15	6.3	6.1	6.1	6.1	6.1	6.1	6.0

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

24K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	6.4	6.3	5.8	5.7	5.3	5.0
16	22	7.0	6.7	6.6	6.1	5.7	5.4
18	25	7.3	7.0	7.2	6.7	6.4	6.1
19	27	7.9	7.6	7.4	7.3	7.0	6.9
19.5	27	8.0	7.7	7.6	7.4	7.2	7.0
22	30	9.2	8.6	8.3	8.0	7.7	7.3
24	32	9.9	9.6	9.3	9.2	8.6	7.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	5.0	5.0	4.8	4.8	4.5	4.5	4.5
-11	-10	5.6	5.6	5.3	5.3	5.0	5.0	5.0
-6	-5	6.5	6.5	6.3	6.3	6.3	6.0	6.0
-1	0	7.5	7.5	7.1	7.1	6.8	6.8	6.8
6	7	8.3	8.3	8.3	8.3	8.3	8.3	8.0
9	10	8.6	8.4	8.4	8.4	8.4	8.4	8.3
14	15	8.8	8.6	8.6	8.6	8.6	8.6	8.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

30K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	7.7	7.6	7.0	6.9	6.3	6.2
16	22	8.4	8.1	7.9	7.4	6.9	6.7
18	25	8.8	8.4	8.6	8.1	7.7	7.6
19	27	9.5	9.2	9.0	8.8	8.4	8.4
19.5	27	9.7	9.3	9.2	9.0	8.6	8.5
22	30	11.1	10.4	10.0	9.7	9.3	9.1
24	32	12.0	11.6	11.3	11.1	10.4	9.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	5.5	5.5	5.2	5.2	4.9	4.9	4.9
-11	-10	6.0	6.0	5.8	5.8	5.5	5.5	5.5
-6	-5	7.1	7.1	6.8	6.8	6.8	6.5	6.5
-1	0	8.1	8.1	7.7	7.7	7.4	7.4	7.4
6	7	9.0	8.8	8.8	8.8	8.7	8.7	8.7
9	10	9.3	9.1	9.1	9.1	9.1	9.1	9.0
14	15	9.6	9.3	9.3	9.3	9.3	9.3	9.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

36K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	10.2	10.0	9.8	9.5	9.0	8.5
16	22	10.6	10.5	10.0	10.0	9.4	8.8
18	25	11.0	10.8	10.6	10.2	9.8	9.1
19	27	11.5	11.2	10.8	10.5	10.0	9.5
19.5	27	11.6	11.4	11.0	10.7	10.2	9.9
22	30	11.8	11.6	11.0	10.9	10.6	10.2
24	32	12.0	11.8	11.4	11.2	10.8	10.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.3	8.0	8.3	8.0	7.8	7.6	7.3
-11	-10	9.0	8.7	8.2	8.0	7.8	7.8	7.4
-6	-5	9.5	9.2	9.0	8.8	8.5	8.3	8.0
-1	0	10.7	10.4	10	9.7	9.5	9.3	9.0
6	7	11.5	11.2	10.9	10.6	10.5	10.2	10
9	10	12.0	11.6	11.4	10.9	10.8	10.7	10.6
14	15	12.6	12	11.8	11.5	11	10.6	10.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

42K (Three-phase)

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°CDB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	11.1	10.7	10.0	9.6	8.9	8.6
16	22	12.1	11.4	11.4	10.7	9.6	9.3
18	25	12.5	12.1	12.1	11.4	11.1	10.7
19	27	13.6	13.2	12.9	12.5	12.1	11.8
19.5	27	13.9	13.2	13.2	12.9	12.1	12.1
22	30	15.7	15.0	14.3	13.9	13.2	12.5
24	32	17.1	16.4	16.1	15.7	15.0	13.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°CDB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.2	8.2	7.7	7.7	7.3	7.3	7.3
-11	-10	9.1	9.1	8.6	8.6	8.2	8.2	8.2
-6	-5	10.6	10.6	10.2	10.2	10.2	9.7	9.7
-1	0	12.2	12.2	11.5	11.5	11.1	11.1	11.1
6	7	13.5	13.5	13.5	13.5	13.5	13.5	13.1
9	10	13.9	13.7	13.7	13.7	13.7	13.7	13.5
14	15	14.4	13.9	13.9	13.9	13.9	13.9	13.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

42K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	11.2	10.9	10.1	9.9	9.2	8.6
16	22	12.2	11.6	11.5	10.7	9.9	9.4
18	25	12.7	12.2	12.4	11.6	11.2	10.7
19	27	13.8	13.2	13.0	12.7	12.2	11.9
19.5	27	13.9	13.5	13.2	13.0	12.4	12.2
22	30	16.0	15.0	14.5	13.9	13.5	12.7
24	32	17.3	16.8	16.2	16.0	15.0	13.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C WB)	20	25	27	28	30	31	32
-16	-15	8.2	8.2	7.8	7.8	7.3	7.3	7.3
-11	-10	9.1	9.1	8.7	8.7	8.2	8.2	8.2
-6	-5	10.6	10.6	10.2	10.2	10.2	9.8	9.8
-1	0	12.2	12.2	11.5	11.5	11.0	11.0	11.0
6	7	13.5	13.5	13.5	13.5	13.5	13.5	13.0
9	10	14.0	13.7	13.7	13.7	13.7	13.7	13.5
14	15	14.4	14.0	14.0	14.0	14.0	14.0	13.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

48K (Three-phase)

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.7	12.4	11.5	11.2	10.4	9.8
16	22	13.8	13.2	13.0	12.1	11.2	10.7
18	25	14.4	13.8	14.1	13.2	12.7	12.1
19	27	15.6	15.0	14.7	14.4	13.8	13.5
19.5	27	15.8	15.3	15.0	14.7	14.1	13.8
22	30	18.1	17.0	16.4	15.8	15.3	14.4
24	32	19.6	19.0	18.4	18.1	17.0	15.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	10.3	10.3	9.8	9.8	9.2	9.2	9.2
-11	-10	11.4	11.4	10.9	10.9	10.3	10.3	10.3
-6	-5	13.4	13.4	12.8	12.8	12.8	12.3	12.3
-1	0	15.3	15.3	14.5	14.5	13.9	13.9	13.9
6	7	17.0	17.0	17.0	17.0	17.0	17.0	16.4
9	10	17.6	17.3	17.3	17.3	17.3	17.3	17.0
14	15	18.1	17.6	17.6	17.6	17.6	17.6	17.3

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

48K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.3	12.0	11.2	10.9	10.1	9.5
16	22	13.4	12.9	12.6	11.8	10.9	10.4
18	25	14.0	13.4	13.7	12.9	12.3	11.8
19	27	15.1	14.6	14.3	14.0	13.4	13.2
19.5	27	15.4	14.8	14.6	14.3	13.7	13.4
22	30	17.6	16.5	16.0	15.4	14.8	14.0
24	32	19.0	18.5	17.9	17.6	16.5	15.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
°C WB	°C DB	20	25	27	28	30	31	32
-16	-15	10.2	10.2	9.6	9.6	9.1	9.1	9.1
-11	-10	11.3	11.3	10.7	10.7	10.2	10.2	10.2
-6	-5	13.2	13.2	12.7	12.7	12.7	12.1	12.1
-1	0	15.1	15.1	14.3	14.3	13.8	13.8	13.8
6	7	16.8	16.8	16.8	16.8	16.8	16.8	16.2
9	1	17.4	17.1	17.1	17.1	17.1	17.1	16.8
14	15	17.9	17.4	17.4	17.4	17.4	17.4	17.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

60K

COOLING CAPACITY (kW)

Indoor temperature		Outdoor temperature (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	15.1	14.8	13.8	13.4	12.4	11.7
16	22	16.5	15.8	15.5	14.4	13.4	12.7
18	25	17.2	16.5	16.9	15.8	15.1	14.4
19	27	18.6	17.9	17.5	17.2	16.5	16.2
19.5	27	18.9	18.2	17.9	17.5	16.9	16.5
22	30	21.7	20.3	19.6	18.9	18.2	17.2
24	32	23.4	22.7	22.0	21.7	20.3	18.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

Outdoor temperature		Indoor temperature (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	12.1	12.1	11.5	11.5	10.8	10.8	10.8
-11	-10	13.4	13.4	12.8	12.8	12.1	12.1	12.1
-6	-5	15.7	15.7	15.1	15.1	15.1	14.4	14.4
-1	0	18.0	18.0	17.0	17.0	16.4	16.4	16.4
6	7	20.0	20.0	20.0	20.0	20.0	20.0	19.3
9	10	20.7	20.3	20.3	20.3	20.3	20.3	20.0
14	15	21.3	20.7	20.7	20.7	20.7	20.7	20.3

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

Ceiling & Floor
18K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	4.7	4.5	4.2	4.1	3.8	3.6
16	22	5.1	4.9	4.8	4.4	4.1	3.9
18	25	5.3	5.1	5.2	4.9	4.7	4.4
19	27	5.7	5.5	5.4	5.3	5.1	5.0
19.5	27	5.8	5.6	5.5	5.4	5.2	5.1
22	30	6.7	6.2	6.0	5.8	5.6	5.3
24	32	7.2	7.0	6.8	6.7	6.2	5.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	3.4	3.4	3.2	3.2	3.0	3.0	3.0
-11	-10	3.8	3.8	3.6	3.6	3.4	3.4	3.4
-6	-5	4.4	4.4	4.2	4.2	4.2	4.0	4.0
-1	0	5.1	5.1	4.8	4.8	4.6	4.6	4.6
6	7	5.6	5.6	5.6	5.6	5.6	5.6	5.4
9	10	5.8	5.7	5.7	5.7	5.7	5.7	5.6
14	15	6.0	5.8	5.8	5.8	5.8	5.8	5.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

24K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	6.1	5.9	5.5	5.4	5.0	4.7
16	22	6.6	6.3	6.2	5.8	5.4	5.1
18	25	6.9	6.6	6.8	6.3	6.1	5.8
19	27	7.5	7.2	7.0	6.9	6.6	6.5
19.5	27	7.6	7.3	7.2	7.0	6.8	6.6
22	30	8.7	8.1	7.9	7.6	7.3	6.9
24	32	9.4	9.1	8.8	8.7	8.1	7.5

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	4.7	4.7	4.5	4.5	4.2	4.2	4.2
-11	-10	5.2	5.2	5.0	5.0	4.7	4.7	4.7
-6	-5	6.1	6.1	5.9	5.9	5.9	5.6	5.6
-1	0	7.0	7.0	6.6	6.6	6.4	6.4	6.4
6	7	7.8	7.8	7.8	7.8	7.8	7.8	7.5
9	10	8.1	7.9	7.9	7.9	7.9	7.9	7.8
14	15	8.3	8.1	8.1	8.1	8.1	8.1	7.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

30K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	7.7	7.6	7.0	6.9	6.3	6.2
16	22	8.4	8.1	7.9	7.4	6.9	6.7
18	25	8.8	8.4	8.6	8.1	7.7	7.6
19	27	9.5	9.2	9.0	8.8	8.4	8.4
19.5	27	9.7	9.3	9.2	9.0	8.6	8.5
22	30	11.1	10.4	10.0	9.7	9.3	9.1
24	32	12.0	11.6	11.3	11.1	10.4	9.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	5.5	5.5	5.2	5.2	4.9	4.9	4.9
-11	-10	6.0	6.0	5.8	5.8	5.5	5.5	5.5
-6	-5	7.1	7.1	6.8	6.8	6.8	6.5	6.5
-1	0	8.1	8.1	7.7	7.7	7.4	7.4	7.4
6	7	9.0	8.8	8.8	8.8	8.7	8.7	8.7
9	10	9.3	9.1	9.1	9.1	9.1	9.1	9.0
14	15	9.6	9.3	9.3	9.3	9.3	9.3	9.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

36K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	10.2	10	9.8	9.5	9	8.5
16	22	10.6	10.5	10	10	9.4	8.8
18	25	11	10.8	10.6	10.2	9.8	9.1
19	27	11.5	11.2	10.5	10	9.9	9.5
19.5	27	11.6	11.4	11	10.7	10.2	9.9
22	30	11.8	11.6	11.2	10.9	10.6	10.2
24	32	12	11.8	11.4	11.2	10.8	10.6

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.3	8.0	8.3	8.0	7.8	7.6	7.3
-11	-10	9.0	8.7	8.2	8.0	7.8	7.8	7.4
-6	-5	9.5	9.2	9.0	8.8	8.5	8.3	8.0
-1	0	10.7	10.4	10	9.7	9.5	9.3	9.0
6	7	11.3	11.2	10.9	10.6	10.5	10.2	10
9	10	12.0	11.6	11.4	10.9	10.8	10.7	10.6
14	15	12.6	12	11.8	11.5	11	10.6	10.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

42K (Three-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	10.9	10.5	9.8	9.5	8.8	8.4
16	22	11.9	11.2	11.2	10.5	9.5	9.1
18	25	12.3	11.9	11.9	11.2	10.9	10.5
19	27	13.4	13.0	12.7	12.3	11.9	11.6
19.5	27	13.7	13.0	13.0	12.7	11.9	11.9
22	30	15.5	14.8	14.1	13.7	13.0	12.3
24	32	16.9	16.2	15.8	15.5	14.8	13.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	8.2	8.2	7.7	7.7	7.3	7.3	7.3
-11	-10	9.1	9.1	8.6	8.6	8.2	8.2	8.2
-6	-5	10.6	10.6	10.2	10.2	10.2	9.7	9.7
-1	0	12.2	12.2	11.5	11.5	11.1	11.1	11.1
6	7	13.5	13.5	13.5	13.5	13.5	13.5	13.1
9	10	13.9	13.7	13.7	13.7	13.7	13.7	13.5
14	15	14.4	13.9	13.9	13.9	13.9	13.9	13.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

42K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	11.2	10.9	10.1	9.9	9.1	8.6
16	22	12.2	11.7	11.5	10.7	9.9	9.4
18	25	12.7	12.2	12.4	11.7	11.2	10.7
19	27	13.7	13.2	13.0	12.7	12.2	11.9
19.5	27	13.9	13.5	13.2	13.0	12.4	12.2
22	30	16.0	15.0	14.5	13.9	13.5	12.7
24	32	17.2	16.8	16.3	16.0	15.0	13.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C WB)	20	25	27	28	30	31	32
-16	-15	8.2	8.2	7.8	7.8	7.3	7.3	7.3
-11	-10	9.1	9.1	8.6	8.6	8.2	8.2	8.2
-6	-5	10.6	10.6	10.2	10.2	10.2	9.7	9.7
-1	0	12.2	12.2	11.5	11.5	11.1	11.1	11.1
6	7	13.5	13.5	13.5	13.5	13.5	13.5	13.1
9	1	13.9	13.7	13.7	13.7	13.7	13.7	13.5
14	15	14.4	13.9	13.9	13.9	13.9	13.9	13.7

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

48K (Three-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.6	12.3	11.4	11.2	10.3	9.7
16	22	13.7	13.2	12.9	12.0	11.2	10.6
18	25	14.3	13.7	14.0	13.2	12.6	12.0
19	27	15.4	14.9	14.6	14.3	13.7	13.4
19.5	27	15.7	15.2	14.9	14.6	14.0	13.7
22	30	18.0	16.9	16.3	15.7	15.2	14.3
24	32	19.4	18.9	18.3	18.0	16.9	15.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
°C WB	°C DB	20	25	27	28	30	31	32
-16	-15	10.0	10.0	9.5	9.5	8.9	8.9	8.9
-11	-10	11.1	11.1	10.5	10.5	10.0	10.0	10.0
-6	-5	13.0	13.0	12.4	12.4	12.4	11.9	11.9
-1	0	14.9	14.9	14.1	14.1	13.5	13.5	13.5
6	7	16.5	16.5	16.5	16.5	16.5	16.5	16.0
9	1	17.0	16.8	16.8	16.8	16.8	16.8	16.5
14	15	17.6	17.0	17.0	17.0	17.0	17.0	16.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

48K (Single-phase)

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	12.3	12.0	11.2	10.9	10.1	9.5
16	22	13.4	12.9	12.6	11.8	10.9	10.4
18	25	14.0	13.4	13.7	12.9	12.3	11.8
19	27	15.1	14.6	14.3	14.0	13.4	13.2
19.5	27	15.4	14.8	14.6	14.3	13.7	13.4
22	30	17.6	16.5	16.0	15.4	14.8	14.0
24	32	19.0	18.5	17.9	17.6	16.5	15.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

	OUTDOOR TEMPERATURE (°C DB)						
(°C DB)	-15	-10	-5	0	6	10	15
16	10.0	11.1	13.0	14.9	16.8	17.0	17.6
18	10.0	11.1	13.0	14.9	16.5	16.8	17.0
20	9.5	10.5	12.4	14.1	16.5	16.8	17.0
21	9.5	10.5	12.4	14.1	16.5	16.8	17.0
22	8.9	10.0	12.4	13.5	16.5	16.8	17.0
24	8.9	10.0	11.9	13.5	16.5	16.8	17.0
26	8.9	10.0	11.9	13.5	16.0	16.5	16.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

60K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE (°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	15.0	14.6	13.6	13.3	12.2	11.6
16	22	16.3	15.6	15.3	14.3	13.3	12.6
18	25	17.0	16.3	16.7	15.6	15.0	14.3
19	27	18.4	17.7	17.3	17.0	16.3	16.0
19.5	27	18.7	18.0	17.7	17.3	16.7	16.3
22	30	21.4	20.1	19.4	18.7	18.0	17.0
24	32	23.1	22.4	21.8	21.4	20.1	18.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	10.9	10.9	10.3	10.3	9.7	9.7	9.7
-11	-10	12.1	12.1	11.5	11.5	10.9	10.9	10.9
-6	-5	14.2	14.2	13.6	13.6	13.6	13.0	13.0
-1	0	16.2	16.2	15.3	15.3	14.8	14.8	14.8
6	7	18.0	18.0	18.0	18.0	18.0	18.0	17.4
9	10	18.6	18.3	18.3	18.3	18.3	18.3	18.0
14	15	19.2	18.6	18.6	18.6	18.6	18.6	18.3

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

Console

9K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	2.6	2.5	2.4	2.3	2.1	2.0
16	22	2.8	2.7	2.7	2.5	2.3	2.2
18	25	3.0	2.8	2.9	2.7	2.6	2.5
19	27	3.2	3.1	3.0	3.0	2.8	2.8
19.5	27	3.3	3.1	3.1	3.0	2.9	2.8
22	30	3.7	3.5	3.4	3.3	3.1	3.0
24	32	4.0	3.9	3.8	3.7	3.5	3.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	1.9	1.9	1.8	1.8	1.7	1.7	1.7
-11	-10	2.1	2.1	2.0	2.0	1.9	1.9	1.9
-6	-5	2.4	2.4	2.3	2.3	2.3	2.2	2.2
-1	0	2.8	2.8	2.6	2.6	2.5	2.5	2.5
6	7	3.1	3.1	3.1	3.1	3.1	3.1	3.0
9	10	3.2	3.1	3.1	3.1	3.1	3.1	3.1
14	15	3.3	3.2	3.2	3.2	3.2	3.2	3.1

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

12K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	3.1	3.0	2.8	2.7	2.5	2.4
16	22	3.4	3.2	3.2	3.0	2.7	2.6
18	25	3.5	3.4	3.4	3.2	3.1	3.0
19	27	3.8	3.7	3.6	3.5	3.4	3.3
19.5	27	3.9	3.7	3.7	3.6	3.4	3.4
22	30	4.4	4.2	4.0	3.9	3.7	3.5
24	32	4.8	4.6	4.5	4.4	4.2	3.8

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

5. CAPACITIES AND SELECTION DATA

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	2.3	2.3	2.2	2.2	2.1	2.1	2.1
-11	-10	2.6	2.6	2.4	2.4	2.3	2.3	2.3
-6	-5	3.0	3.0	2.9	2.9	2.9	2.7	2.7
-1	0	3.4	3.4	3.2	3.2	3.1	3.1	3.1
6	7	3.8	3.8	3.8	3.8	3.8	3.8	3.7
9	10	3.9	3.9	3.9	3.9	3.9	3.9	3.8
14	15	4.0	3.9	3.9	3.9	3.9	3.9	3.9

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

18K

COOLING CAPACITY (kW)

INDOOR TEMPERATURE		OUTDOOR TEMPERATURE(°C DB)					
(°C WB)	(°C DB)	20	25	32	35	40	45
14	20	4.4	4.3	4	3.9	3.6	3.4
16	22	4.8	4.6	4.5	4.2	3.9	3.7
18	25	5	4.8	4.9	4.6	4.4	4.2
19	27	5.4	5.2	5.1	5	4.8	4.7
19.5	27	5.5	5.3	5.2	5.1	4.9	4.8
22	30	6.3	5.9	5.7	5.5	5.3	5
24	32	6.8	6.6	6.4	6.3	5.9	5.4

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)

HEATING CAPACITY (kW)

OUTDOOR TEMPERATURE		INDOOR TEMPERATURE (°C DB)						
(°C WB)	(°C DB)	20	25	27	28	30	31	32
-16	-15	3.1	3.1	2.9	2.9	2.8	2.8	2.8
-11	-10	3.4	3.4	3.3	3.3	3.1	3.1	3.1
-6	-5	4.0	4.0	3.9	3.9	3.9	3.7	3.7
-1	0	4.6	4.6	4.4	4.4	4.2	4.2	4.2
6	7	5.1	5.1	5.1	5.1	5.1	5.1	4.9
9	10	5.3	5.2	5.2	5.2	5.2	5.2	5.1
14	15	5.4	5.3	5.3	5.3	5.3	5.3	5.2

(°C DB) : Dry Bulb Temperature (°C)

(°C WB) : Wet Bulb Temperature (°C)