Haier
Inspired living

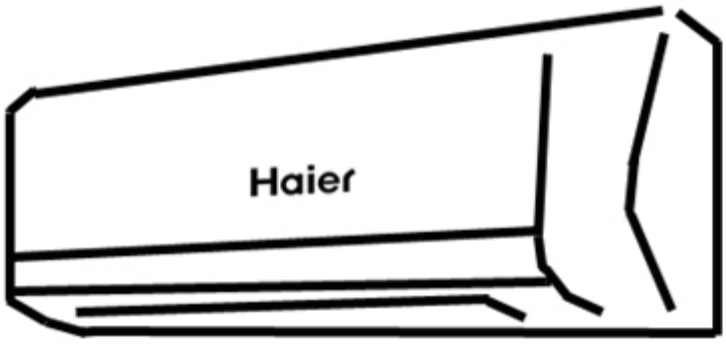
Domestic
Air conditioner

TECHNICAL DATA

ON/OFF

Wall mounted Type K-Series

HSU-07LEK03
HSU-07HEK03
HSU-09LEK03
HSU-09HEK03
HSU-12LEK03
HSU-12HEK03



CAUTION

1. READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLE CORRECTLY BEFORE OFFERING SERVICE.
2. THIS MANUAL IS USED BY QUALIFIED APPLIANCE TECHNICIANS ONLY.
3. HAIER DOES NOT ASSUME ANY RESPONSIBILITY FOR PROPERTY DAMAGE OR PERSONAL INJURY FOR IMPROPER SERVICE PROCEDURES DONE BY ONE UNQUALIFIED PERSON.

Table of Contents

1 Features

ESF filter : Trap harmful dust and remove unpleasant odors effectively

4 Fan setting: Slect the fan speed LO,MED,HI,AUTO

Anti-mold filter: Catches most small particles and remove unpleasant odors effectively

Sleep mode: The setting temprature and the indoor noise can be adjusted to a more comfortable level when you set the "sleep mode"during night sleep

24 Hour timer: Use the timer function to set on,or off,or from on to off,or from off to on

Auto restart: The function permits automatic return to previous peration conditions

Easy clean design: The panel is easy to wash and the airflow vents can be detached without any special tools for quick cleaning of the inside of the air conditioner

Auto mode According to the fixed temperature "26℃ " ,the unit will adjust the operation mode automatically.

2 Specifications

This information was not available at the time of publication .

NOMINAL CAPACITY and NOMINAL INPUT										
For indoor units only:										
INDOOR UNITS				HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
NOMINAL INPUT	Cooling	nominal	KW	0.9	0.9	0.94	0.94	1.25	1.25
	Heating	nominal	KW	----	0.75	----	0.85	----	1.28

NOMINALCA PACITY and NOMINA L INPUT									
Model				HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
NORMINAL CAPACITY(3-4)	Cooling(1)	norm.	kw	2.38	2.38	2.5	2.5	3.5	3.5
	Heating(2)	norm.	kw	----	2.65	----	2.75	----	3.8
NORMINAL INPUT	Cooling	norm.	kw	0.9	0.9	0.94	0.94	1.25	1.25
	Heating	norm.	kw	----	0.75	----	0.85	----	1.28
EER	Cooling			2.64	2.64	2.66	2.66	2.8	2.80
COP	Heating			----	3.53	----	3.24	----	2.97
ANNUAL ENERGY CONSUMPTION(9)	Cooling		kwh	450	450	470	470	625	625

TECHNICAL SPECIFICATIONS											
INDOOR UNITS					HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
DIMENSIONS	Unit	H	mm		182	182	182	182	182	182
		W	mm		780	780	780	780	780	780
		D	mm		260	260	260	260	260	260
WEIGHT	Unit		kg		7.6	7.6	7.6	7.6	8.8	8.8
COLOR	Unit				White	White	White	White	White	White
SOUND LEVEL	Sound pressure (cooling/heating) (5)	high	dB(A)		37	37	37	37	39	39
		medium	dB(A)		33	33	33	33	35	35
		low	dB(A)		29	29	29	29	31	31
	Sound power (cooling/heating)(6)	high	dB(A)		37	37	37	37	39	39
FAN	Air flow rate (cooling/heating)	high	m^3/min		6.67	6.67	6.67	6.67	9.17	9.17
		medium	m^3/min		6.11	6.11	6.11	6.11	8.17	8.17
		low	m^3/min		5.56	5.56	5.56	5.56	7.10	7.10
	Speed (cooling/heating)	steps			3 steps, Auto					
		high	rpm		1200	1200	1200	1200	1290	1290
		medium	rpm		1100	1100	1100	1100	1150	1150
		low	rpm		1000	1000	1000	1000	1000	1000
	Type				Cross flow fan					
	Motor output			W	20	20	20	20	25	25
HEAT EXCHANGER	Type				ML fin - Φ 7HI - XA tube					
	Row x stage x fin pitch			mm	2 x 2 x1.3	2 x 2 x1.3	2 x 2 x1.3	2 x 2 x1.3	2 x 3 x1.3	2 x 3 x1.3
AIR FILTER					Removable/washable/mildew proof					
REMOTE CONTROLLER					YL-W01	YR-W01	YL-W01	YR-W01	YL-W01	YR-W01
TEMPERATURE CONTROL					Microcomputer control					
PIPING CONNECTIONS (external diameter)		liquid	mm		Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		gas	mm		Φ 9.52	Φ9.52	Φ 9.52	Φ9.52	Φ 12.7	Φ 12.7
		drain	mm		Φ 16	Φ 16	Φ 16	Φ 16	Φ 16	Φ 16
INSULATION MATERIAL	Heat insulation type				both liquid and gas pipes					

TECHNICAL SPECIFICATIONS

OUTDOOR UNITS				HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
NET DIMENSIONS (stop valve, and bottom support is not included)	Unit	H	mm	428	428	428	428	428	428
		W	mm	700	700	700	700	700	700
		D	mm	261	261	261	261	261	261
WEIGHT	Unit		kg	23.5	25.1	23.5	25.1	29.2	30.6
COLOR	Unit			white	white	white	white	white	white
SOUND LEVEL	Sound pressure(cooling/heating)	high	dB(A)	48	48	50	50	52	52
	Sound power(cooling/heating)	high	dB(A)	48	48	50	50	52	52
FAN	Air flow rate(cooling/heating)	high	m^3/min	17.0	17.0/17.2	17.0	17.0/17.2	17.5	17.5/17.7
	Speed(cooling/heating)	high	rpm	860	860/860	860	860/860	1060	1060/1060
	Type			Propeller fan					
	Motor output		W	16	16	16	16	27	27
HEAT EXCHANGER	Type			ML- Φ 7Hi-XA		ML- Φ 7Hi-XA		ML- Φ 9.52Hi-XA	
	Rows x stages x fin pitch			2X26X1.32	2X26X1.32	2X26X1.32	2X26X1.32	2X26X1.32	2X26X1.32
REFRIGERANT CIRCUIT	Refrigerant type			R22	R22	R22	R22	R22	R22
	Refrigerant charge		kg	0.43	0.55	0.43	0.55	0.79	1.06
	Maximum allowable distance between indoor and outdoor		m	7	7	7	7	10	10
	Maximum allowable level difference		m	5	5	5	5	5	5
	Refrigerant control			capillary					
COMPRESSOR	Type			Rorary					
	Model			44R233CF		44R233CF		48R313NL	
	Motor output		w	880		880		1230	
	Oil type			SUNISO 4GSD		SUNISO 4GSD		SUNISO 4GSD	
	Oil charge volume		L	0.27		0.27		0.41	
PIPING CONNECTIONS	liquid		mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35
	gas		mm	Φ 9.52	Φ 9.52	Φ 9.52	Φ 9.52	Φ 12.7	Φ 12.7
	drain		mm	Φ16	Φ16	Φ16	Φ16	Φ16	Φ16
INSULATION MATERIAL	Heat insulation type			both liquid and gas pipes					

ELECTRICAL SPECIFICATIONS

For combination indoor units+ outdoor units:				HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
CURRENT	Nominal running current	cooling	A	4.3	4.3	4.5	4.5	5.9	5.9
		heating	A	—	3.6	—	3.9	—	6 .1
	Maximum running current	cooling	A	6.2	6.0	6.2	6.0	7.5	7.5
		heating	A	—	5.8	—	5.8	—	7.1
	Starting current	cooling	A	21.5	21.5	21.5	21.5	34	34
		heating	A	—	21.5	—	21.5	—	34

For indoor units only:			HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
POWER SUPPLY			VM	VM	VM	VM	VM	VM
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		1PH	1PH	1PH	1PH	1PH	1PH
	Frequency	HZ	50	50	50	50	50	50
	Voltage	V	220	220	220	220	220	220

NOTES

1 Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB * outdoor temperature 35°CDB * refrigerant piping length: 5m * level difference: 0m.
2 Nominal heating capacities are based on: indoor temperature 20°CDB * outdoor temperature 7°CDB/6°CWB * refrigerant piping length 5m (horizontal) * level difference 0m.
3 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
4 Units should be selected on nominal capacity. Maximum capacity is limited to peak periods.
5 The sound pressure level is measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 8 of this chapter.
6 The sound power level is an absolute value indicating the ''power'' which a sound source generates.
7 Energy label: scale from A (most efficient) to G (less efficient).
8 The energy label Directive 2002/31/EC will enter into force once the relevant measurement standard will be published in the European official Standard.
9 Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

3 Remote controller lists

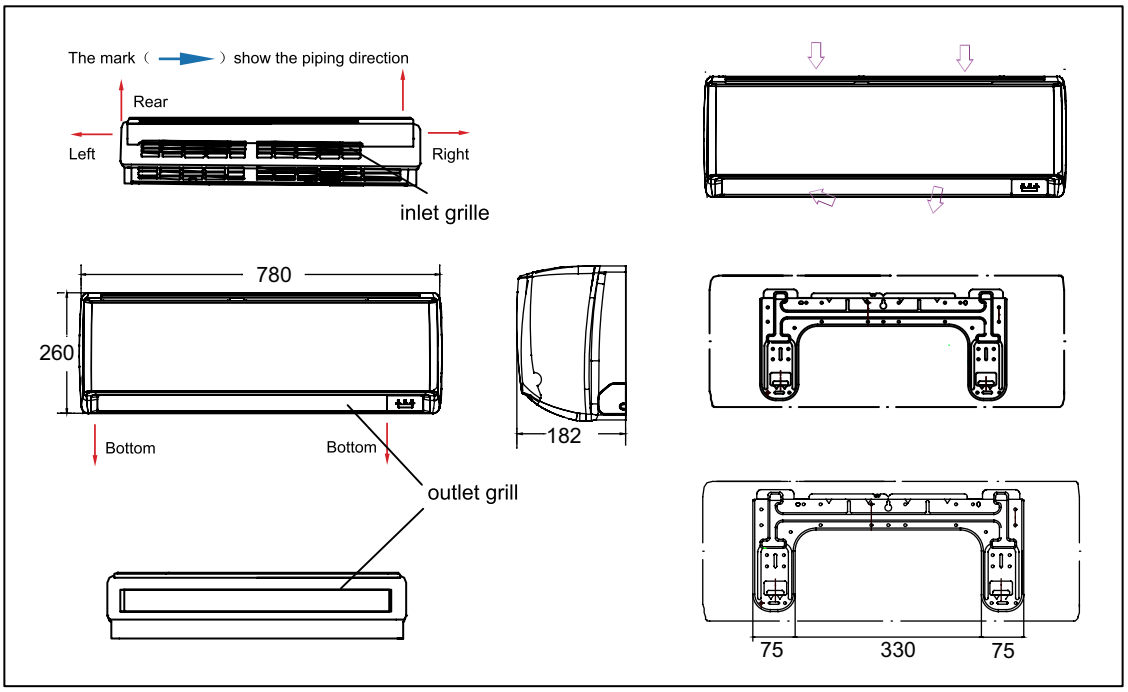
Mode	HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
YR-M07	N	N	N	N	N	N
YR-H75	N	N	N	N	N	N
YR-M05	N	N	N	N	N	N
YR-H03	N	N	N	N	N	N
YL-W04	Y	N	Y	N	Y	N
YR-W04	N	Y	N	Y	N	Y

4 Sensors lists

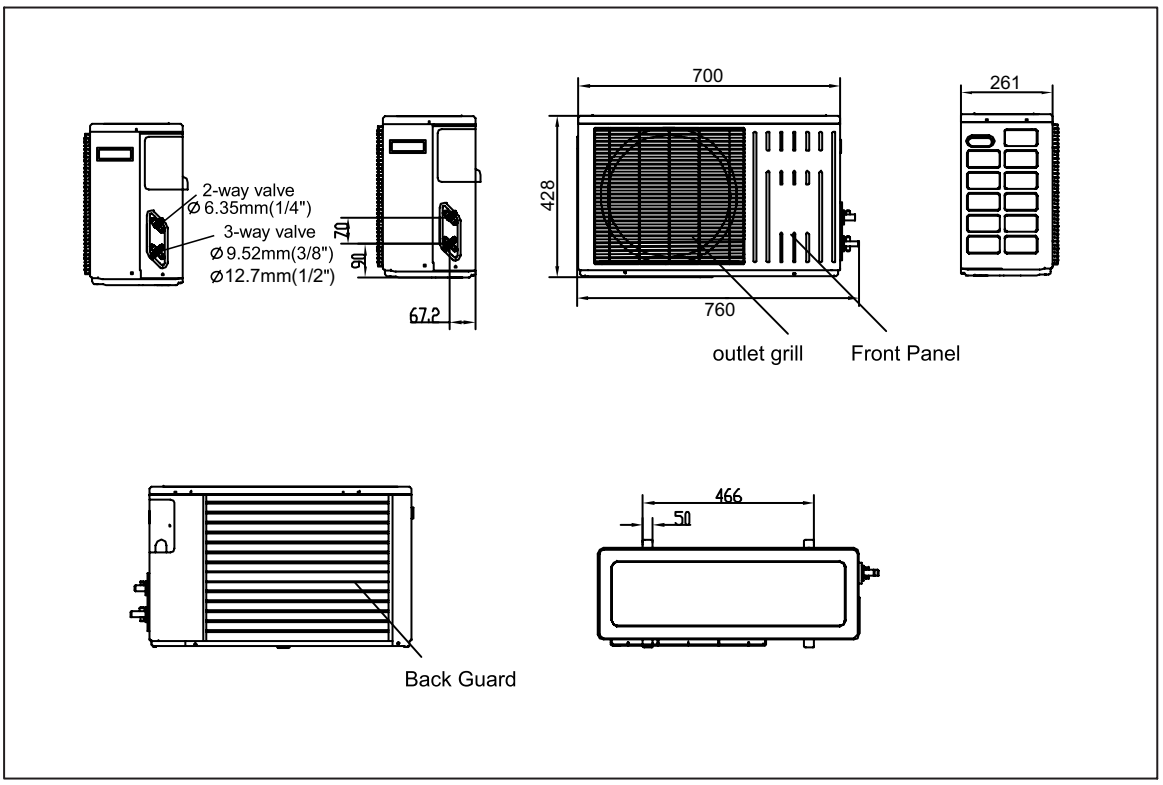
INDOOR UNIT		
type	Description	Qty
Room sensor	It's used for detecting room temperature	1
Pipe sensor	It's used for detecting temperature of evaporator	1

5 Dimensional drawings

Indoor unit

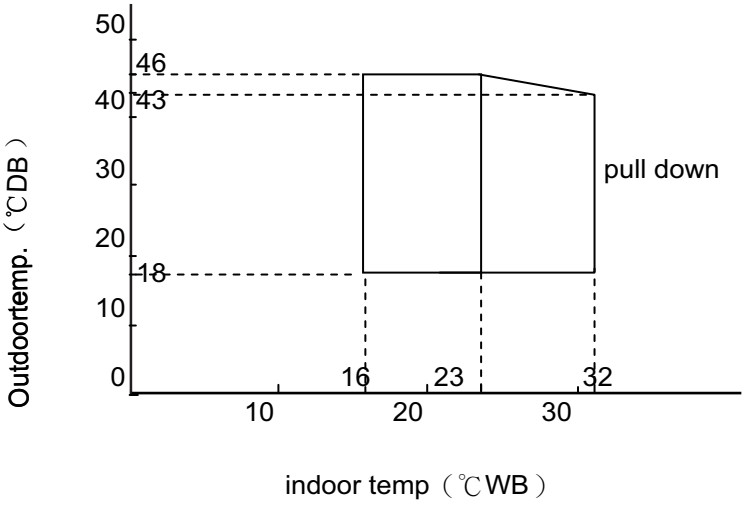


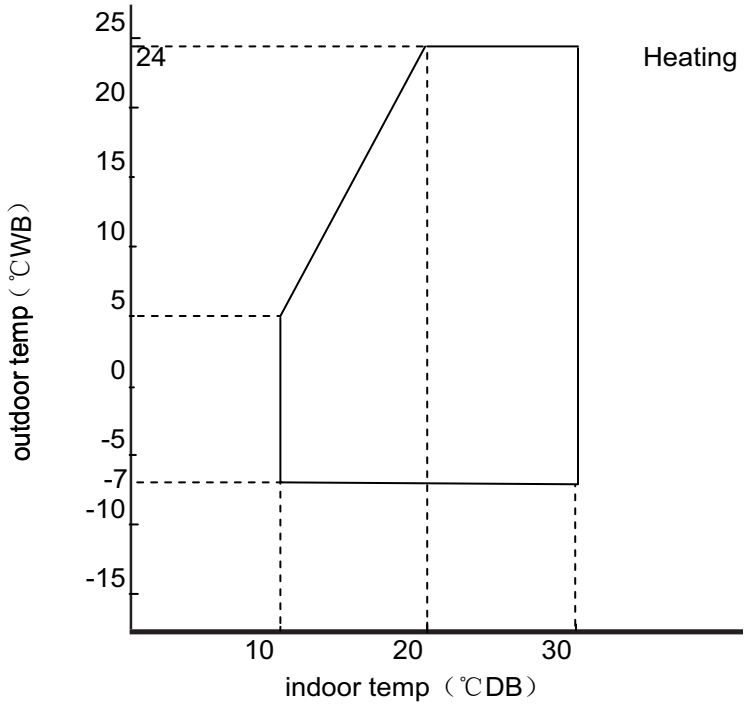
Outdoor unit



6 Operation range

The name of parts Cooling





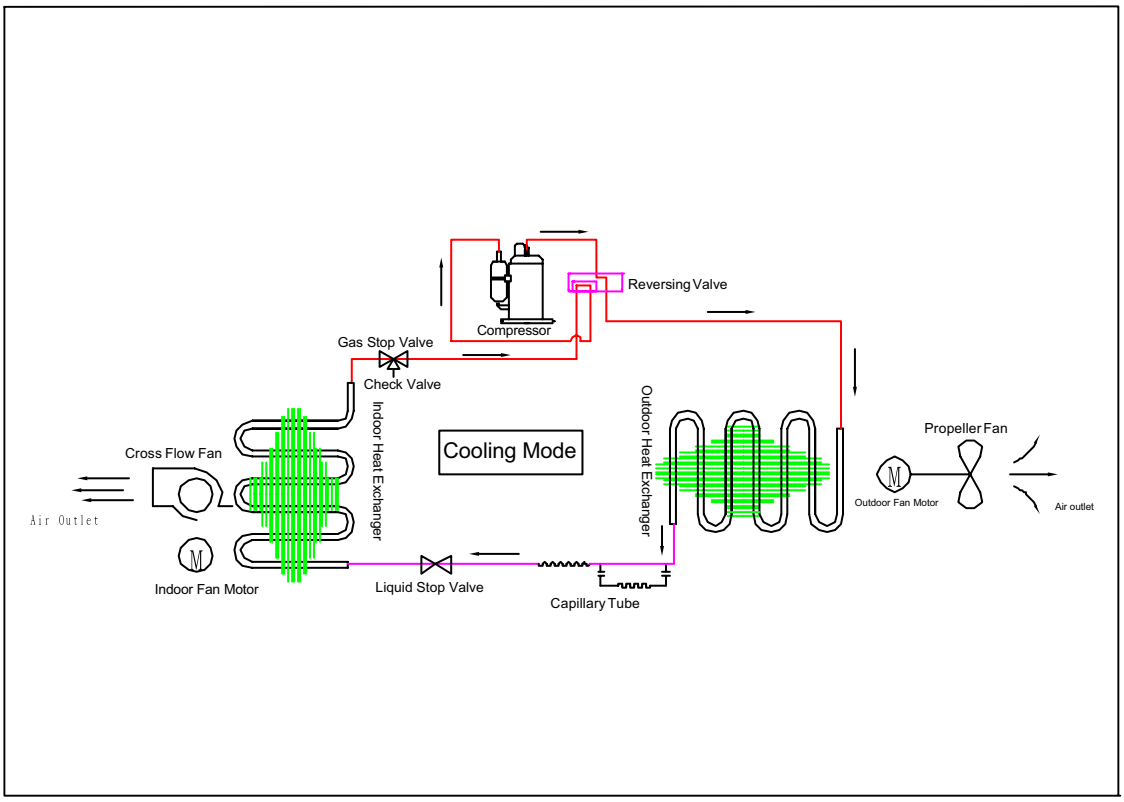
Notes：

The graphs are based on the following condition：

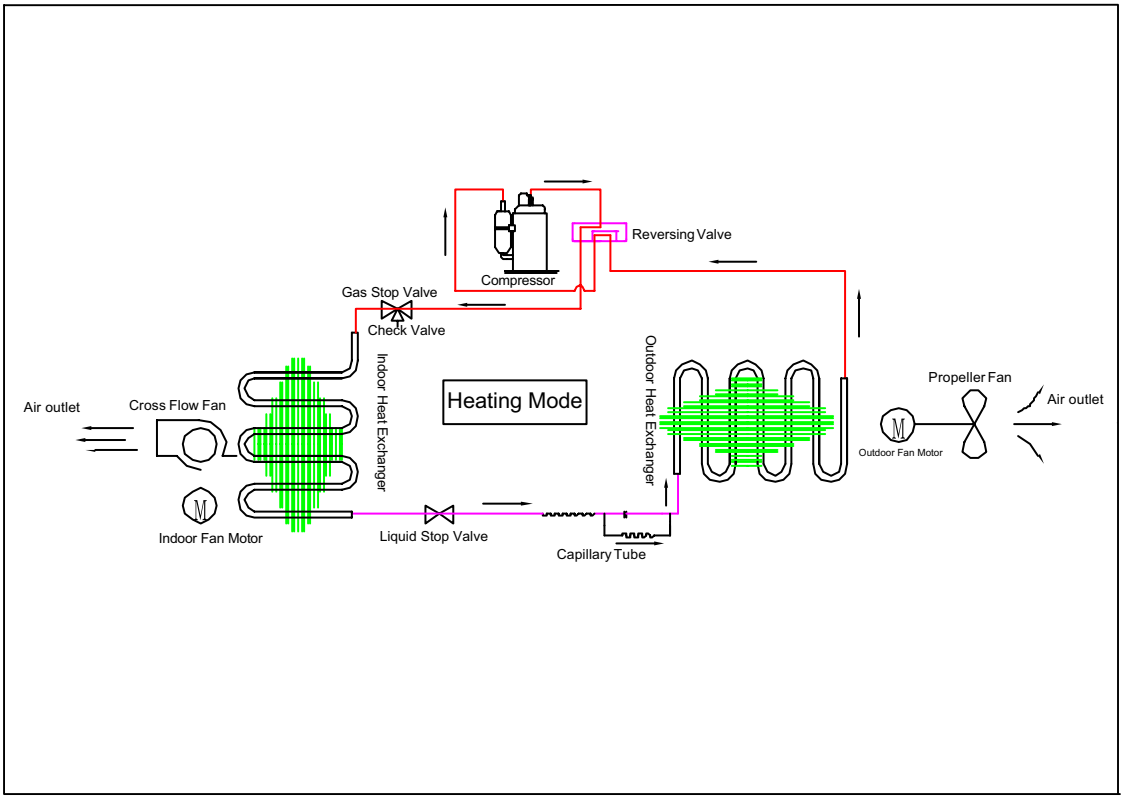
Equivalent piping length	7.5m
Level difference	0m
Air flow rate	high

7 Piping diagrams

Cooling mode

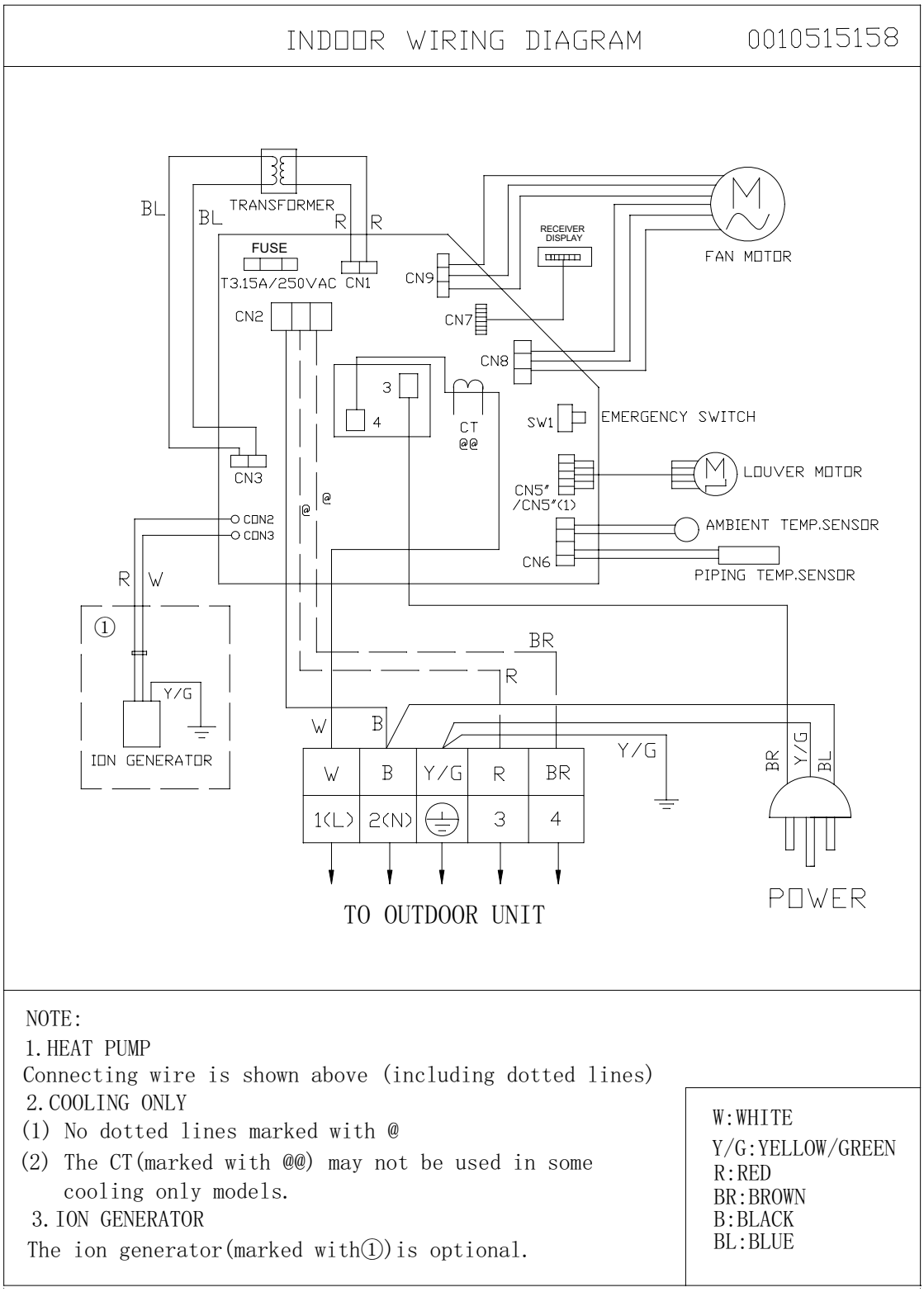


Heating mode



8 Wiring Diagrams

8.1 Indoor unit



NOTE:

1. HEAT PUMP

Connecting wire is shown above (including dotted lines)

2. COOLING ONLY

(1) No dotted lines marked with @

(2) The CT(marked with @@) may not be used in some cooling only models.

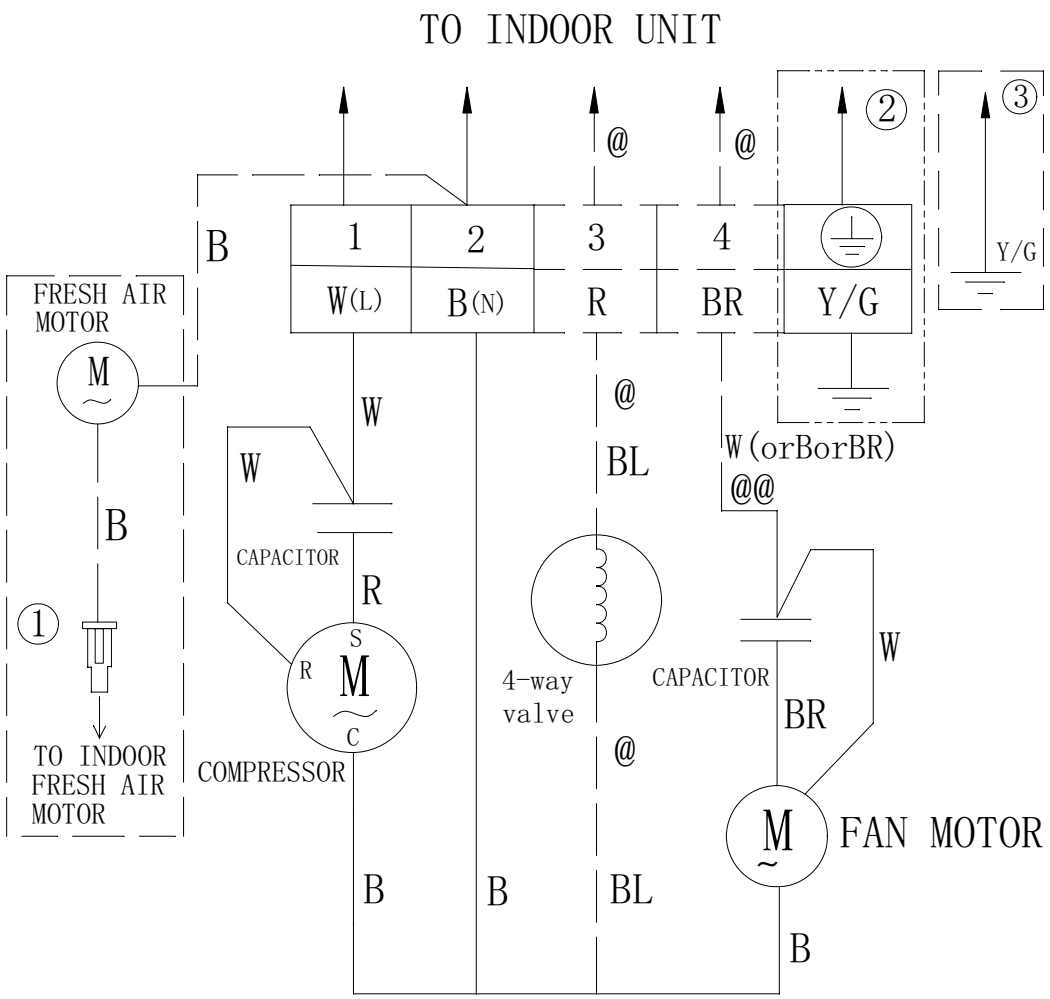
3. ION GENERATOR

The ion generator(marked with①)is optional.

W:WHITE
Y/G:YELLOW/GREEN
R:RED
BR:BROWN
B:BLACK
BL:BLUE

8.2 Outdoor unit

OUTDOOR DIAGRAM 0010560078



NOTE:

1.See above for wiring of heat p ump type.

2.There are no dotted lines on c ool only type.(marked with @),Wire is connected fro m 4 (marked with @@)on terminal block to 1.

3.Some of cool only type termina l block only have 1、2 and ③ but no the parts ②.

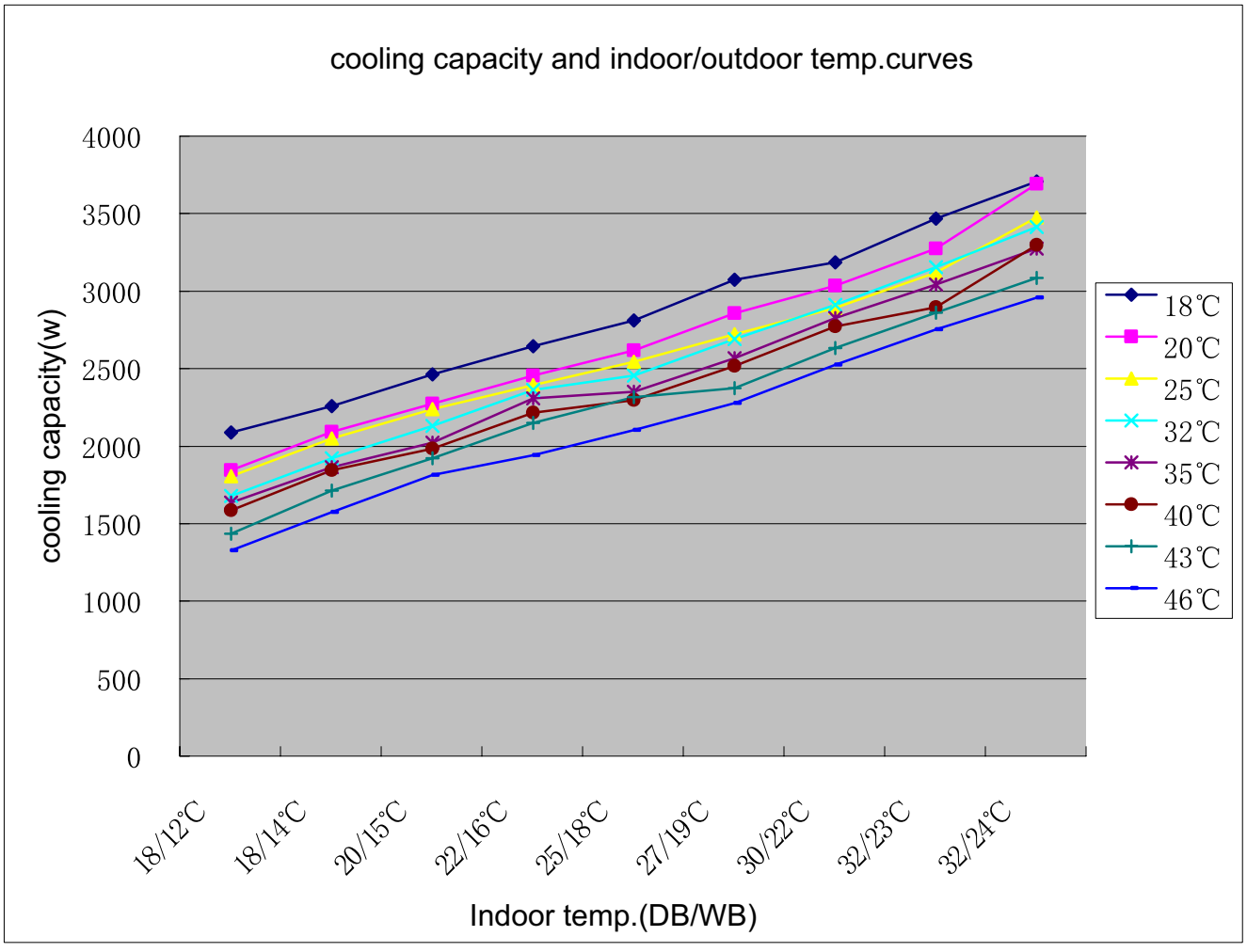
4.The parts ① are optional.

BL:BLUE
B : BLACK
R: RED
W: WHITE
BR: BROWN
Y/G: YELLOW/GREEN

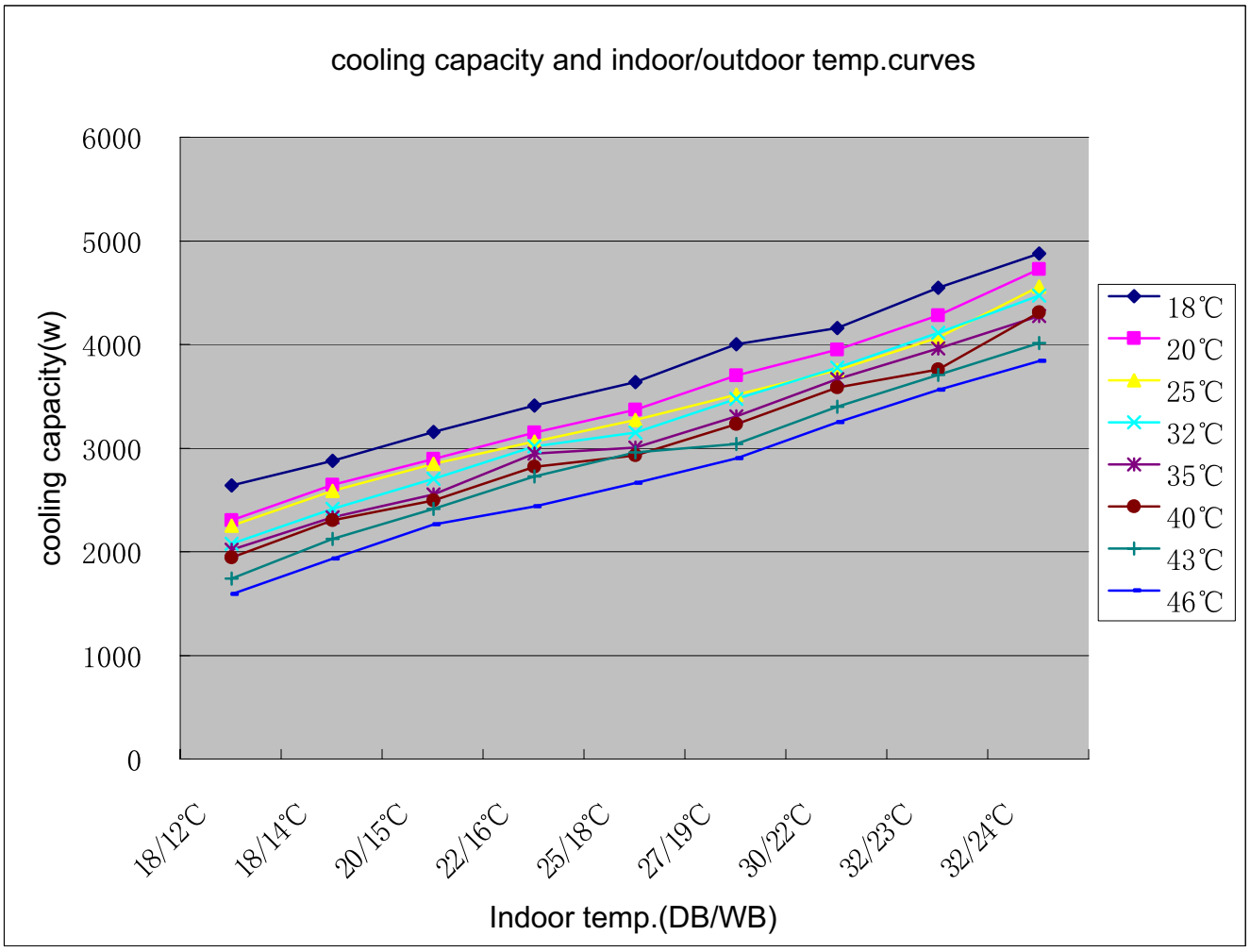
9 Capacity tables and curves diagrams

9.1 Cooling Capacity-temperature Curves

HSU-07 09L HEK03 performance curves								
Cooling capacity and indoor/outdoor temp.table								
indoor temp.	outdoor temp.(humidity 46%)							
DB/WB	18℃	20℃	25℃	32℃	35℃	40℃	43℃	46℃
18/12℃	2016	1772	1734	1607	1567	1514	1366	1256
18/14℃	2189	2020	1978	1851	1792	1773	1642	1503
20/15℃	2390	2203	2169	2061	1951	1911	1852	1742
22/16℃	2574	2384	2322	2290	2239	2145	2078	1869
25/18℃	2739	2545	2474	2386	2281	2228	2246	2033
27/19℃	3004	2785	2650	2620	2498	2446	2304	2206
30/22℃	3117	2966	2821	2841	2757	2700	2564	2455
32/23℃	3398	3205	3048	3083	2972	2824	2790	2681
32/24℃	3636	3623	3404	3343	3202	3227	3013	2887

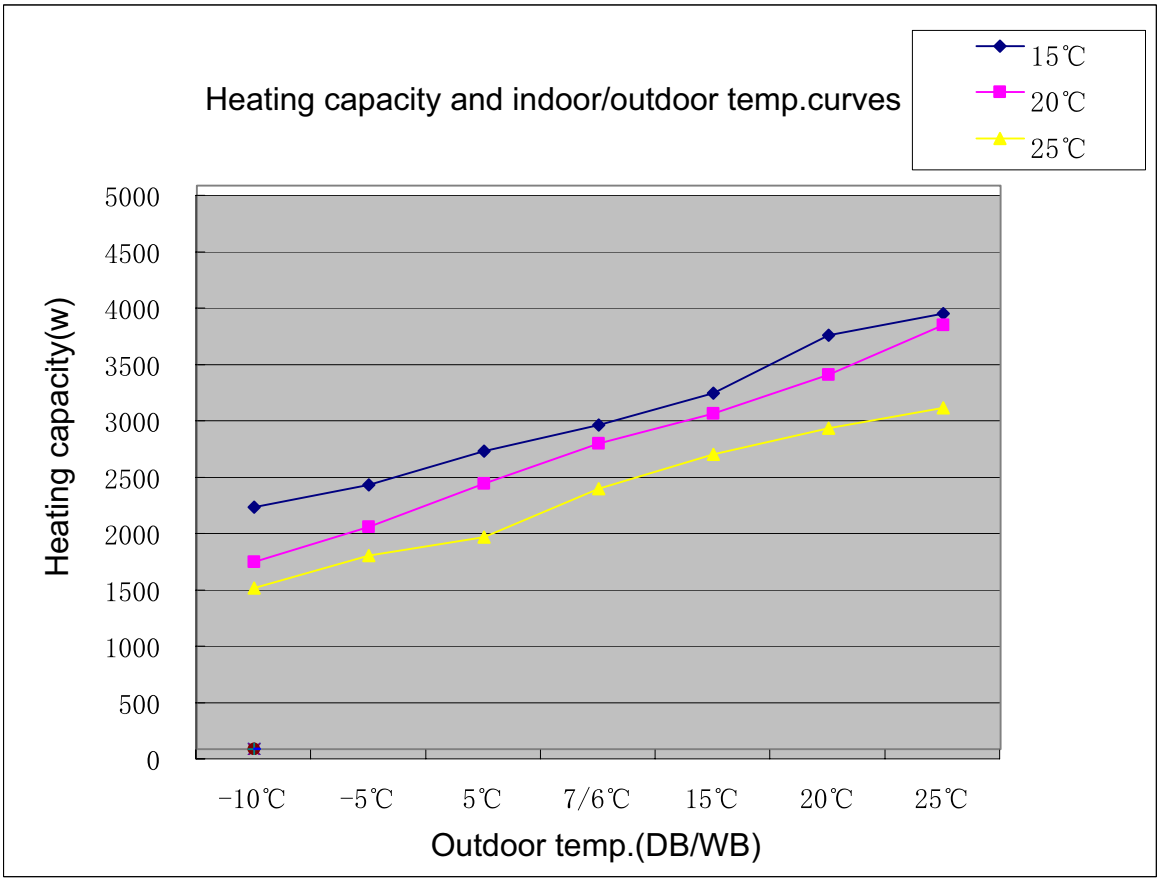


HSU-12L HEK03 performance curves								
Cooling capacity and indoor/outdoor temp.table								
indoor temp.	outdoor temp.(humidity 46%)							
DB/WB	18℃	20℃	25℃	32℃	35℃	40℃	43℃	46℃
18/12℃	2533	2197	2144	1969	1913	1840	1636	1484
18/14℃	2773	2539	2482	2306	2224	2198	2018	1825
20/15℃	3050	2791	2744	2596	2444	2389	2308	2155
22/16℃	3304	3041	2955	2912	2841	2711	2619	2330
25/18℃	3531	3264	3166	3044	2899	2826	2852	2557
27/19℃	3898	3595	3408	3367	3199	3127	2931	2796
30/22℃	4053	3845	3645	3672	3557	3478	3290	3140
32/23℃	4441	4175	3959	4007	3854	3649	3602	3452
32/24℃	4770	4620	4450	4365	4171	4206	3910	3736

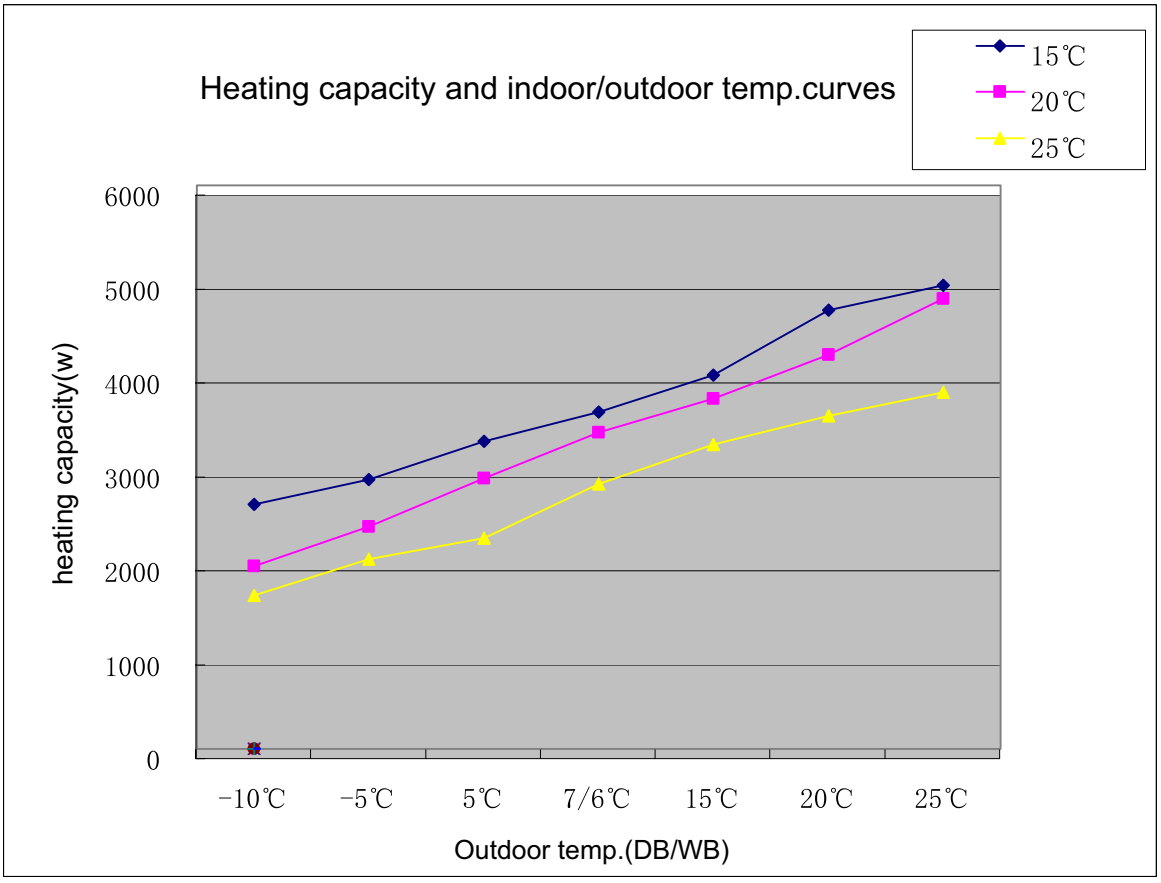


9.2 Heating Capacity-temperature Curves

HSU-07 09HEK03 performance curves			
Heating capacity and indoor/outdoor temp.table			
outdoor temp.	indoor temp.(humidity 46%)		
DB/WB	15℃	20℃	25℃
-10℃	2146	1662	1431
-5℃	2343	1973	1719
5℃	2643	2354	1881
7/6℃	2874	2712	2308
15℃	3160	2978	2618
20℃	3672	3324	2845
25℃	3866	3762	3027

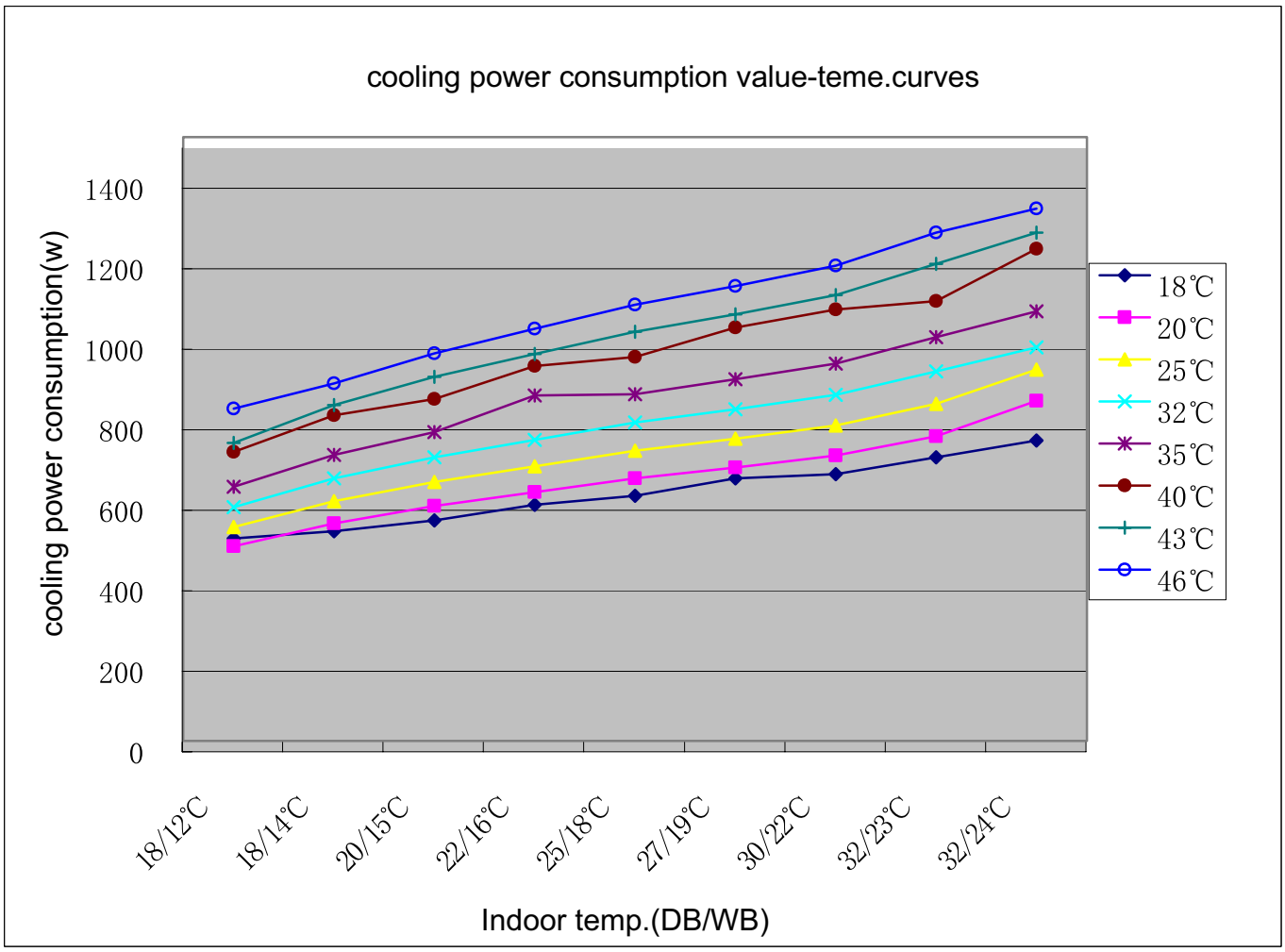


HSU-12HEK03 performance curves			
Heating capacity and indoor/outdoor temp.table			
outdoor temp.	indoor temp.(humidity 46%)		
DB/WB	15℃	20℃	25℃
-10℃	2602	1945	1631
-5℃	2868	2367	2023
5℃	3275	2884	2242
7/6℃	3588	3369	2821
15℃	3976	3729	3242
20℃	4670	4199	3549
25℃	4934	4793	3796

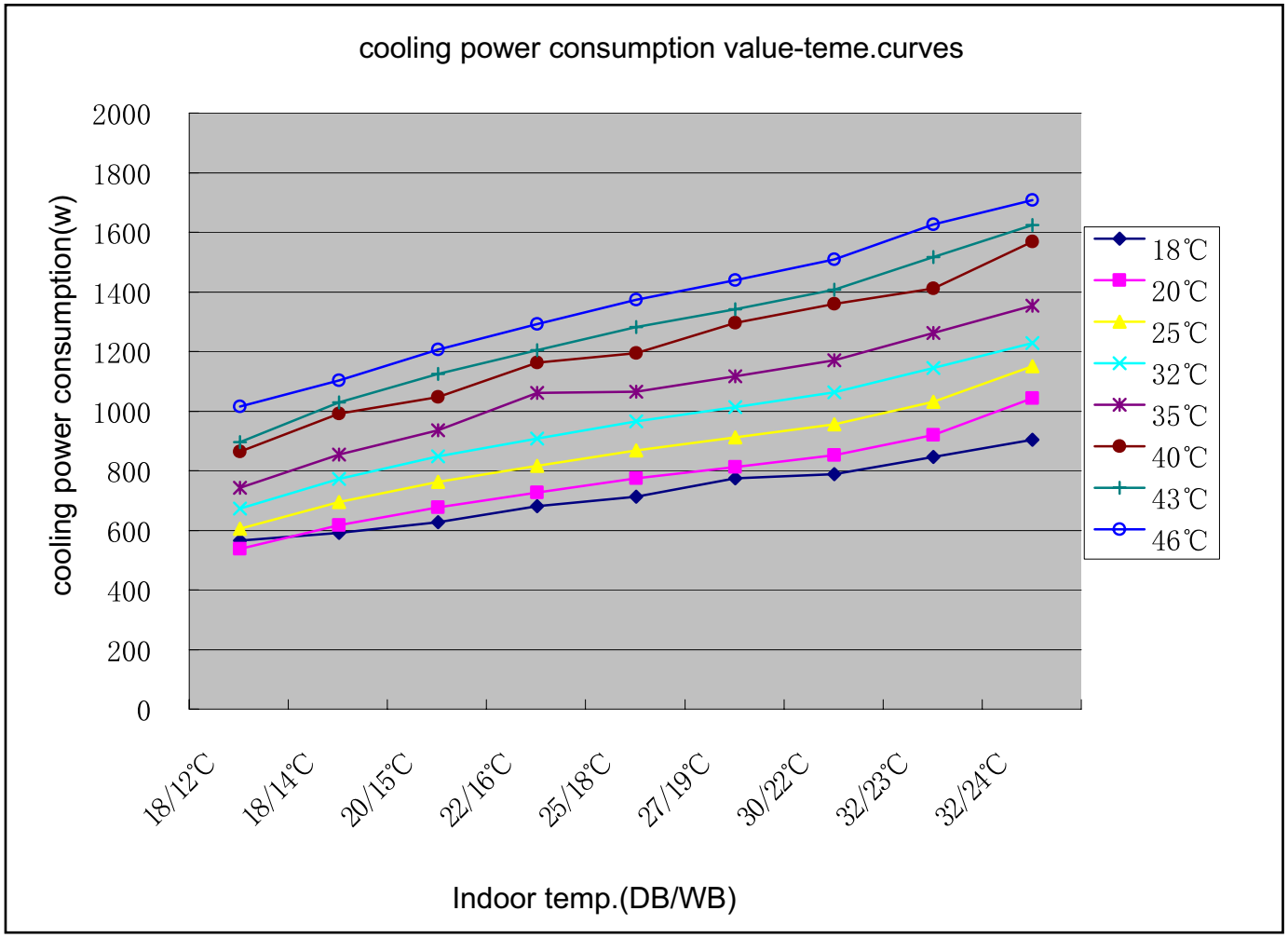


9.3 Cooling Power Consumption Value-temperature Curves

HSU-07 09L HEK03 performance curves								
Cooling power consumption value-temp.table								
indoor temp.	outdoor temp.(humidity 46%)							
DB/WB	18℃	20℃	25℃	32℃	35℃	40℃	43℃	46℃
18/12℃	504	483	531	580	631	718	741	826
18/14℃	521	541	596	652	710	809	835	889
20/15℃	548	584	644	705	768	849	904	963
22/16℃	586	619	683	748	859	931	961	1024
25/18℃	609	653	721	790	861	954	1016	1083
27/19℃	653	680	751	824	898	1026	1060	1130
30/22℃	663	709	783	859	937	1072	1107	1180
32/23℃	704	756	837	919	1002	1093	1185	1263
32/24℃	746	845	922	978	1068	1222	1263	1322

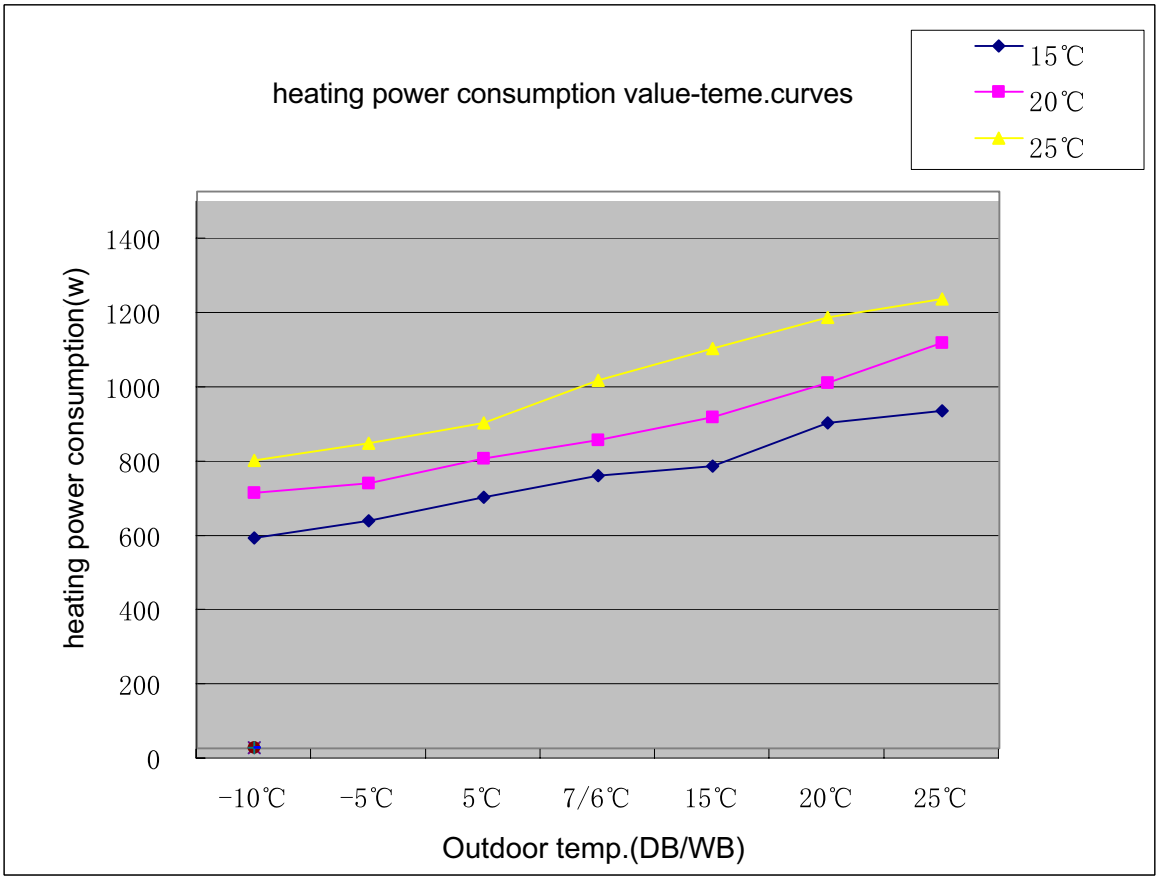


HSU-12L HEK03 performance curves								
Cooling power consumption value-temp.table								
indoor temp.	outdoor temp.(humidity 46%)							
DB/WB	18℃	20℃	25℃	32℃	35℃	40℃	43℃	46℃
18/12℃	530	501	568	637	707	829	861	979
18/14℃	554	582	659	737	817	956	992	1067
20/15℃	591	642	725	811	899	1011	1089	1171
22/16℃	645	690	780	871	1025	1126	1168	1255
25/18℃	677	738	833	930	1029	1158	1245	1338
27/19℃	738	775	875	976	1080	1259	1306	1403
30/22℃	752	816	920	1026	1135	1323	1372	1473
32/23℃	810	883	994	1109	1226	1376	1480	1590
32/24℃	868	1007	1114	1191	1317	1532	1589	1671

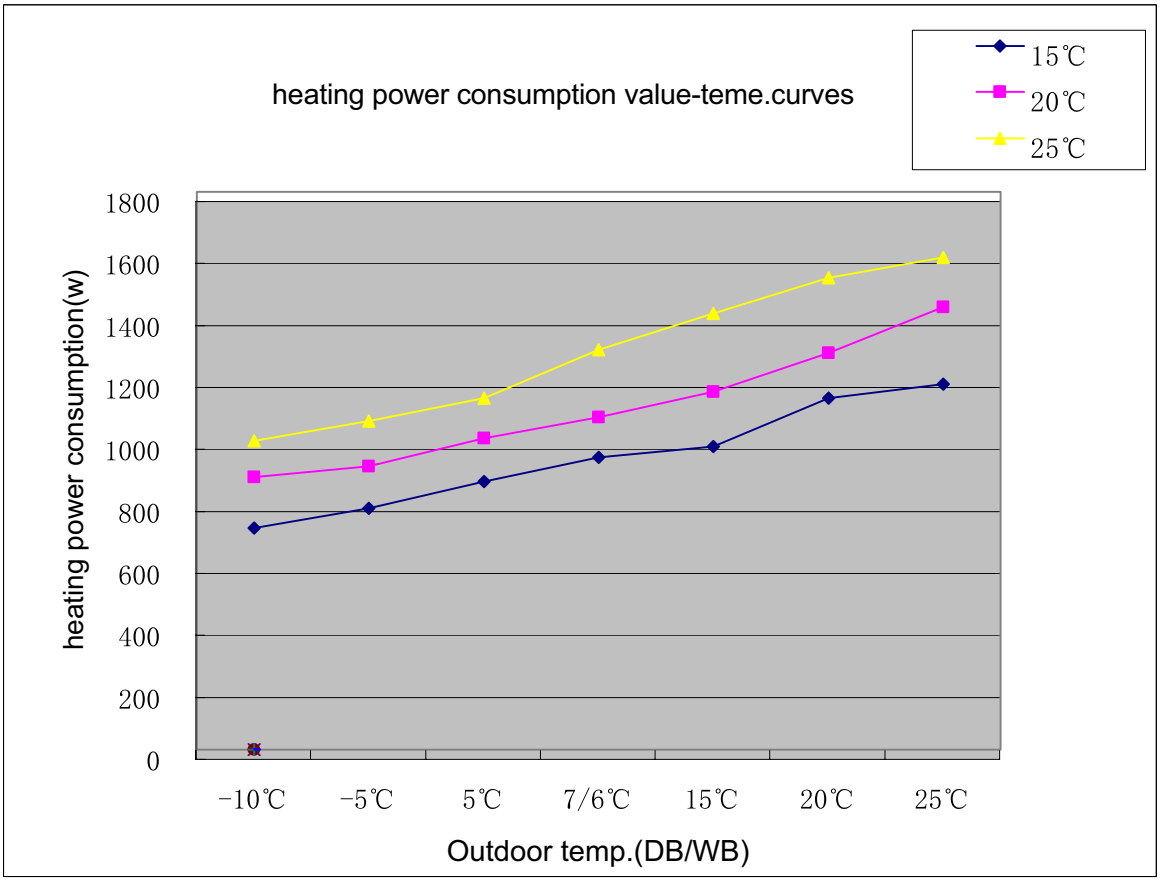


9.4 Heating Power Consumption Value-temperature Curves

HSU-07 09HEK03 performance curves			
Heating power consumption value-temp.table			
outdoor temp.	indoor temp.(humidity 46%)		
DB/WB	15℃	20℃	25℃
-10℃	567	689	775
-5℃	613	714	822
5℃	677	781	877
7/6℃	735	830	992
15℃	761	892	1077
20℃	876	984	1162
25℃	909	1092	1211

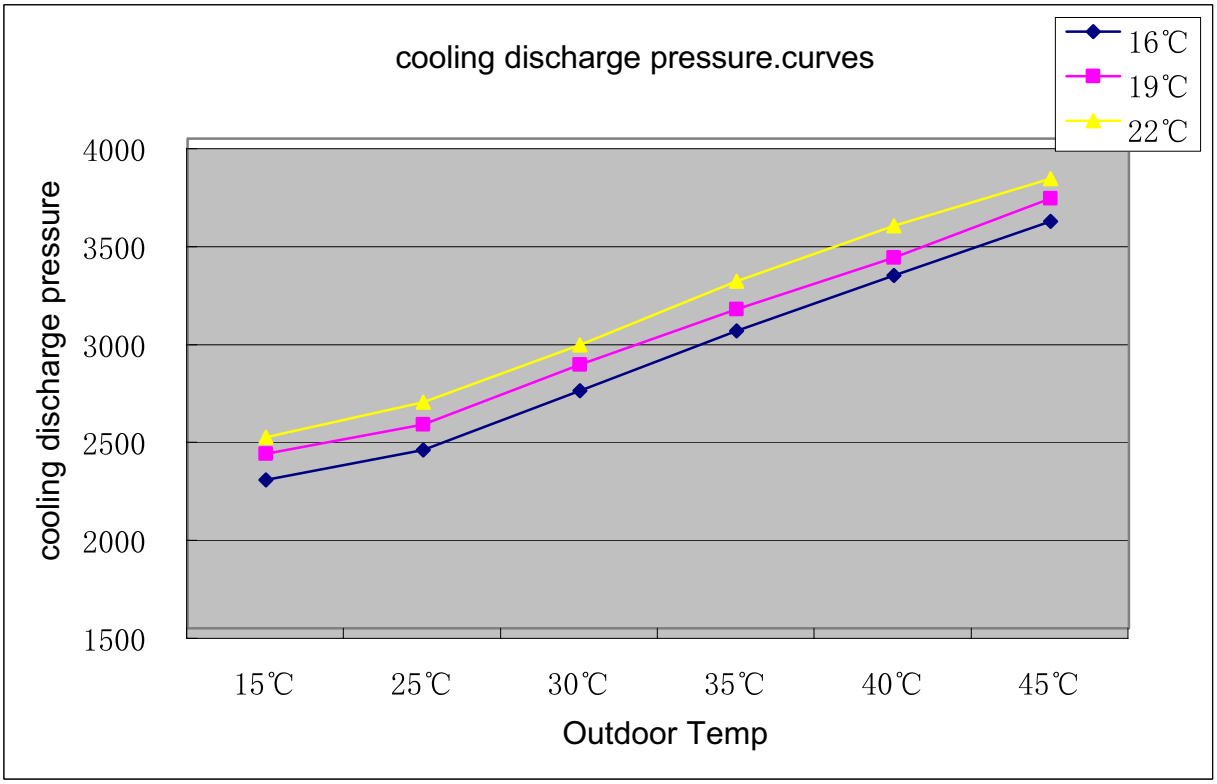


HSU-12HEK03 performance curves			
Heating power consumption value-temp.table			
outdoor temp.	indoor temp.(humidity 46%)		
DB/WB	15℃	20℃	25℃
-10℃	715	880	998
-5℃	778	914	1061
5℃	865	1005	1135
7/6℃	943	1072	1291
15℃	978	1155	1407
20℃	1134	1280	1522
25℃	1178	1427	1588

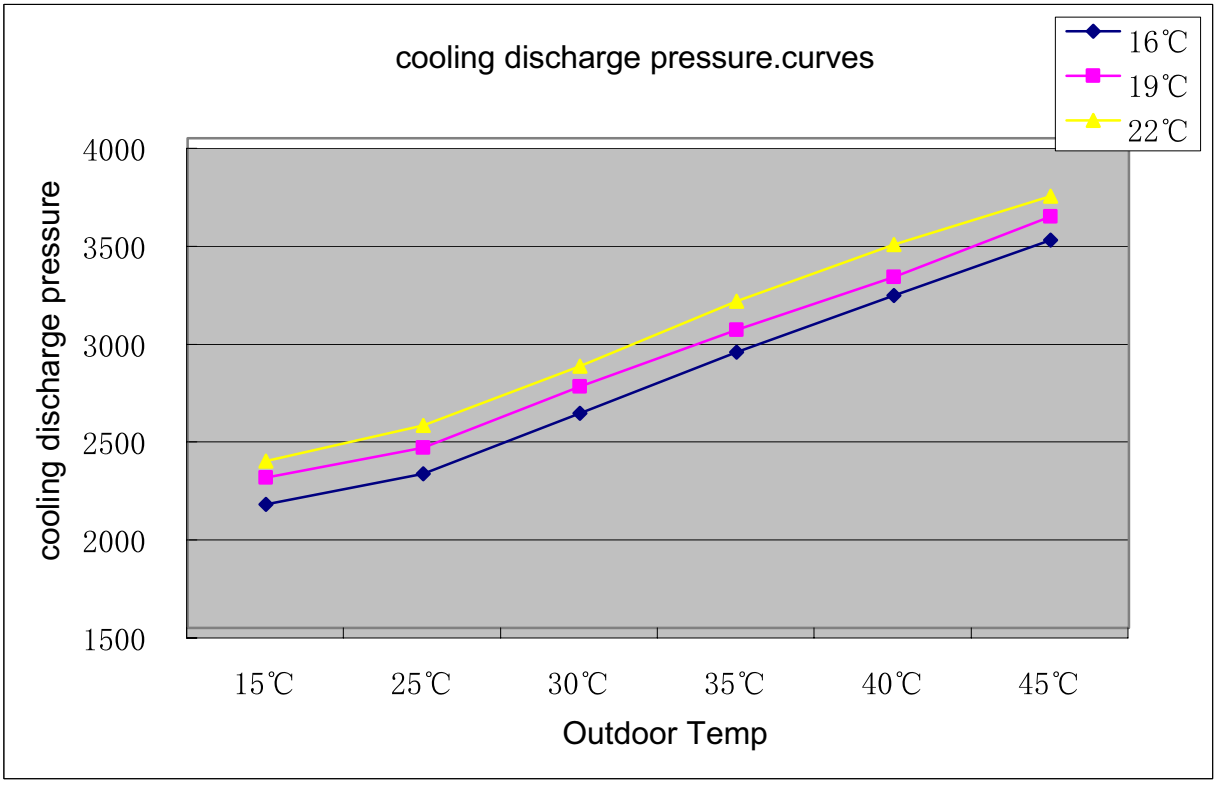


9.5 Cooling Discharge Pressure Curves

HSU-07 09L HEK03 performance curves			
Cooling discharge pressure .table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	16℃	19℃	22℃
15℃	2259	2392	2475
25℃	2410	2542	2653
30℃	2714	2846	2947
35℃	3018	3129	3271
40℃	3301	3392	3554
45℃	3578	3696	3795

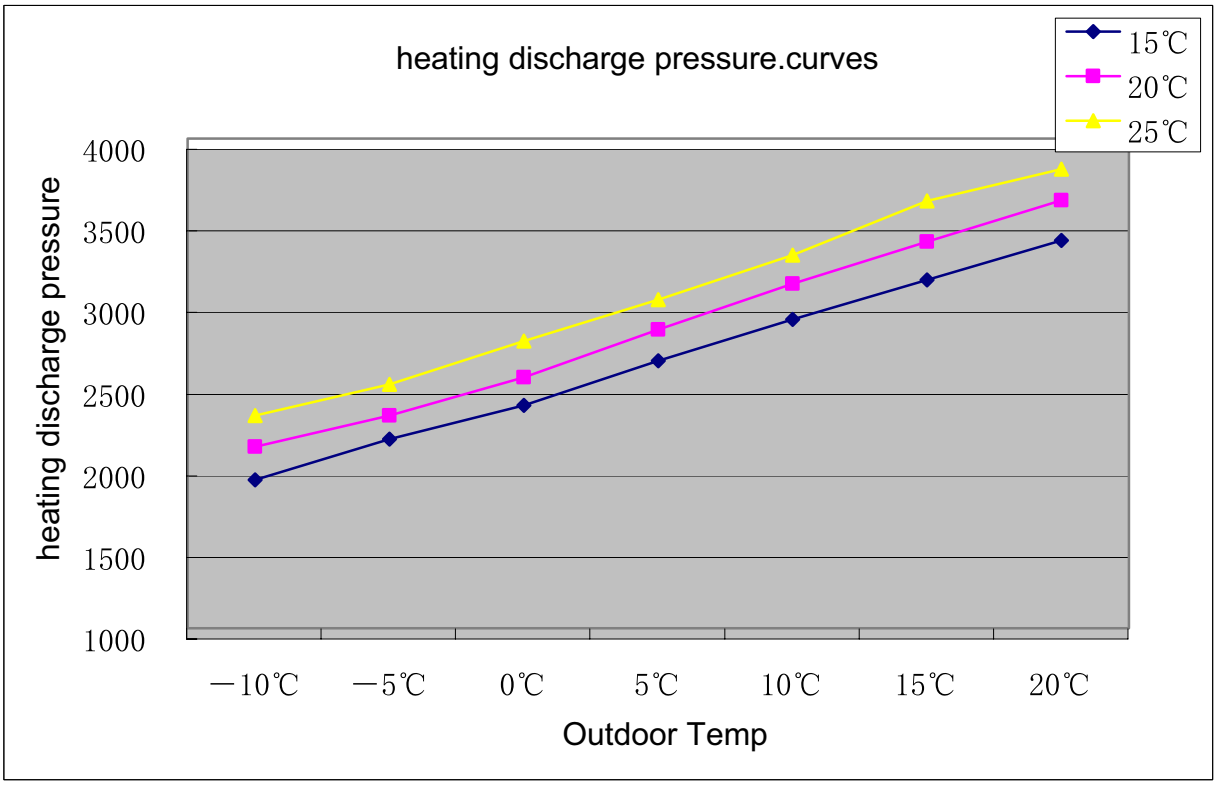


HSU-12L HEK03 performance curves			
Cooling discharge pressure .table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	16℃	19℃	22℃
15℃	2131	2268	2352
25℃	2286	2421	2535
30℃	2597	2732	2835
35℃	2908	3021	3166
40℃	3197	3291	3456
45℃	3481	3601	3703

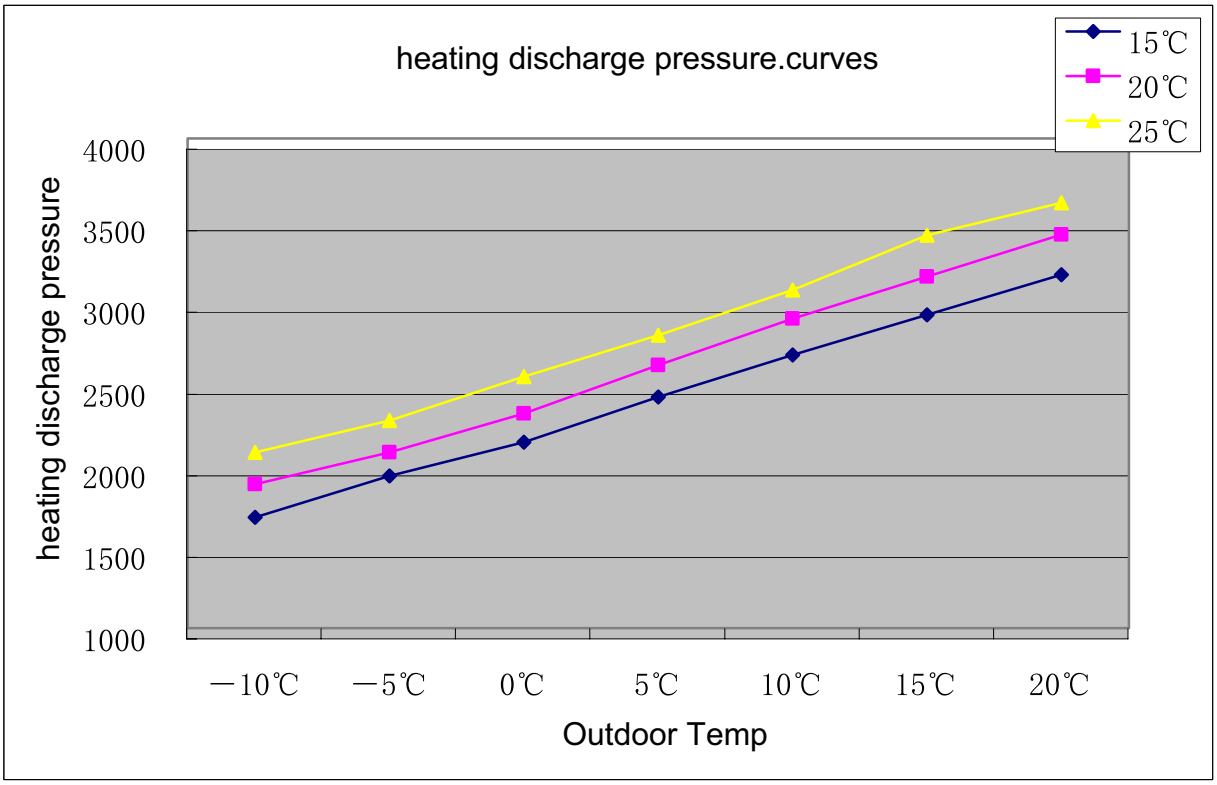


9.6 Heating Discharge Pressure Curves

HSU-09HEK03 performance curves			
Heating discharge pressure.table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	15℃	20℃	25℃
−10℃	1909	2111	2304
−5℃	2160	2304	2496
0℃	2364	2537	2759
5℃	2638	2830	3013
10℃	2891	3110	3286
15℃	3134	3367	3616
20℃	3377	3621	3813

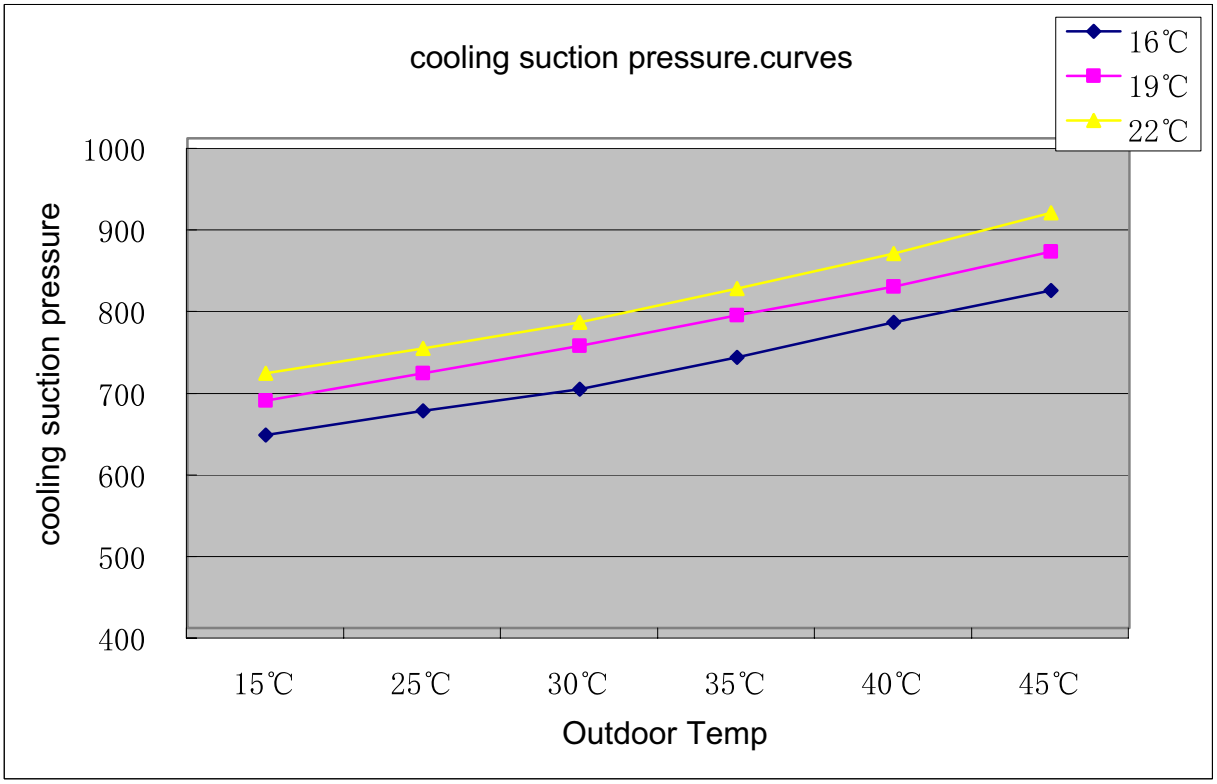


HSU-12HEK03 performance curves			
Heating discharge pressure.table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	15℃	20℃	25℃
－10℃	1677	1883	2078
－5℃	1932	2078	2273
0℃	2139	2314	2539
5℃	2416	2611	2796
10℃	2673	2895	3073
15℃	2919	3155	3407
20℃	3165	3412	3607

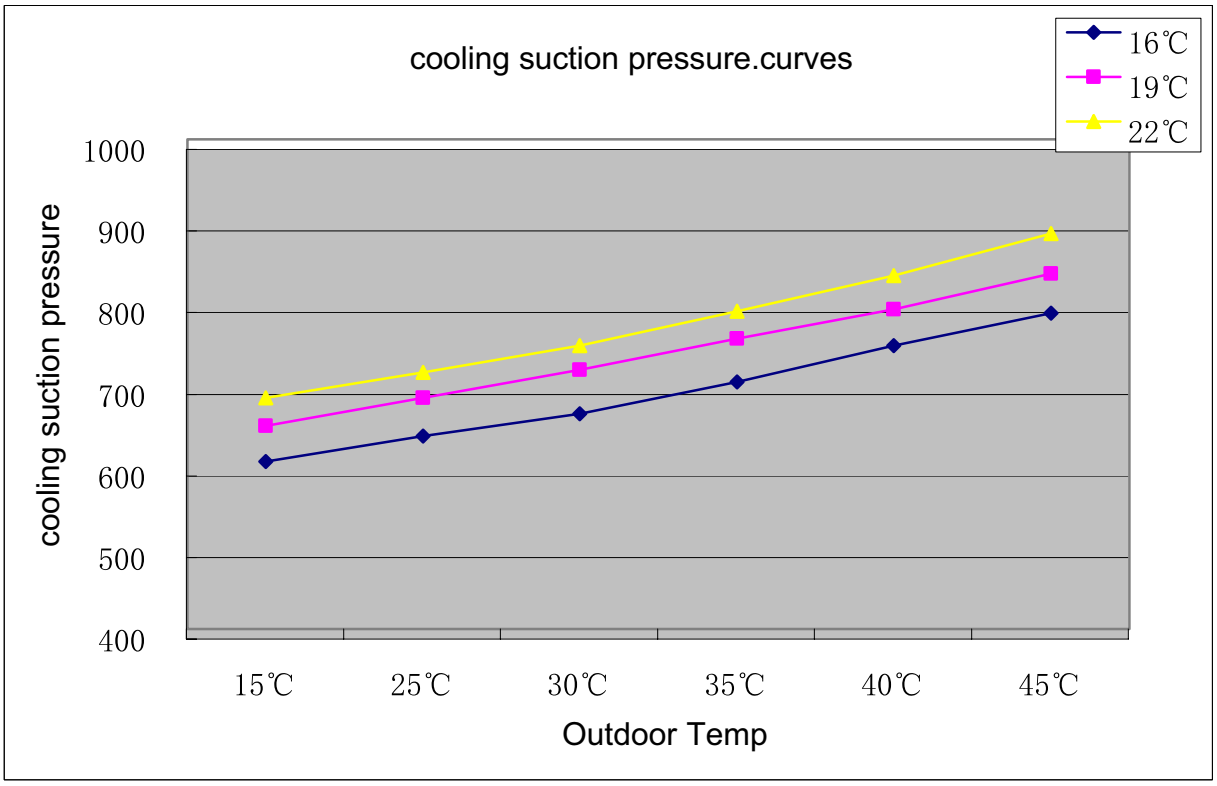


9.7 Cooling Suction Pressure Curves

HSU-07 09L HEK03 performance curves			
Cooling suction pressure.			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	16℃	19℃	22℃
15℃	636	679	712
25℃	666	712	742
30℃	693	745	775
35℃	731	783	816
40℃	775	818	859
45℃	813	861	909

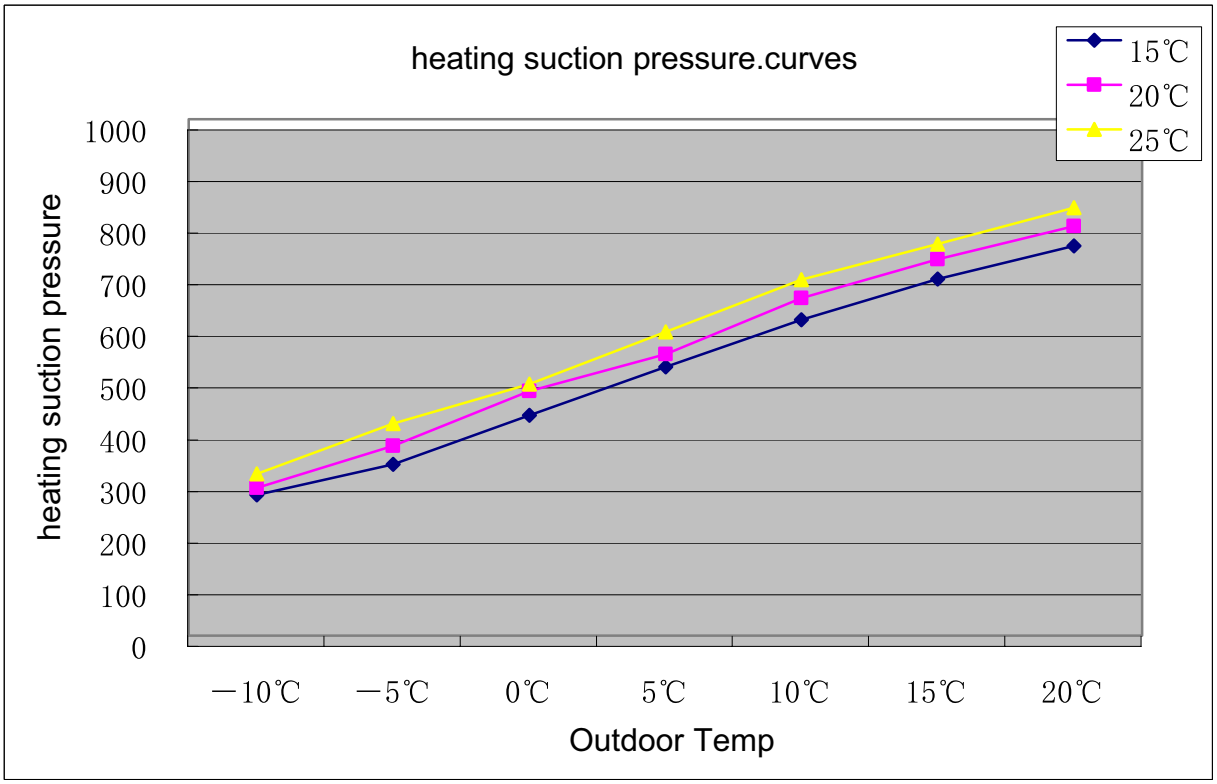


HSU-12L HEK03 performance curves			
Cooling suction pressure.			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	16℃	19℃	22℃
15℃	605	649	683
25℃	637	683	714
30℃	663	717	747
35℃	703	756	789
40℃	747	792	833
45℃	787	835	884

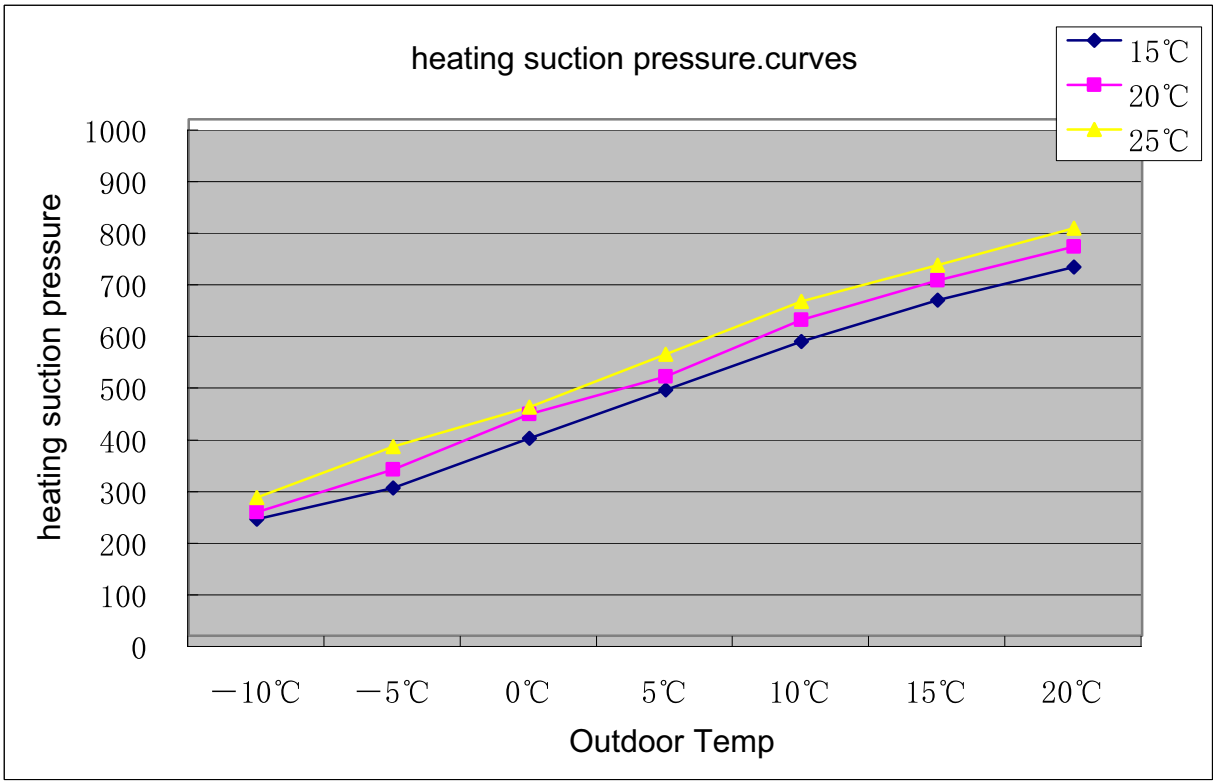


9.8 Heating Suction Pressure Curves

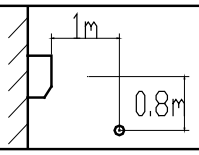
HSU-07 09HEK03 performance curves			
Heating suction pressure.table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	15℃	20℃	25℃
－10℃	273	286	313
－5℃	332	367	411
0℃	427	473	487
5℃	520	545	588
10℃	612	653	689
15℃	691	729	759
20℃	755	793	828



HSU-12HEK03 performance curves			
Heating suction pressure.table			
outdoor temp. (humidity 46%)	indoor temp.		
DB/WB	15℃	20℃	25℃
－10℃	226	239	267
－5℃	285	321	366
0℃	382	429	443
5℃	476	502	545
10℃	570	611	648
15℃	649	688	718
20℃	714	753	789

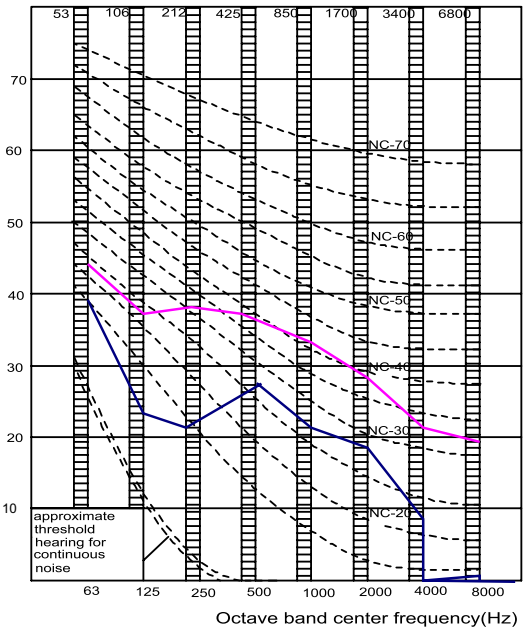


10 Sound level

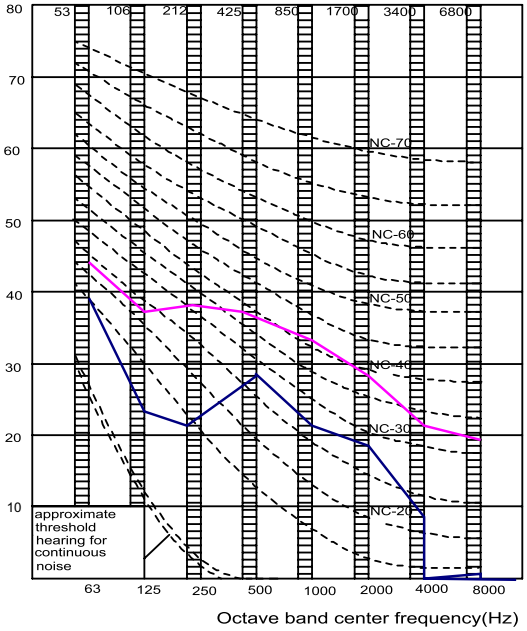
Model	Sound pressure level			Measuring location Location of microphone	sound power level (cooling/heating)
	220V,50Hz Cooling/heating				
	H	L	SL		
HSU-07 09L HEK03	37/37/37/37	33/33/33/33	29/29/29/29		37/37
HSU-12L HEK03	39/39	35/35	31/31		39/39

HSU-07 09L/HEK03

cooling

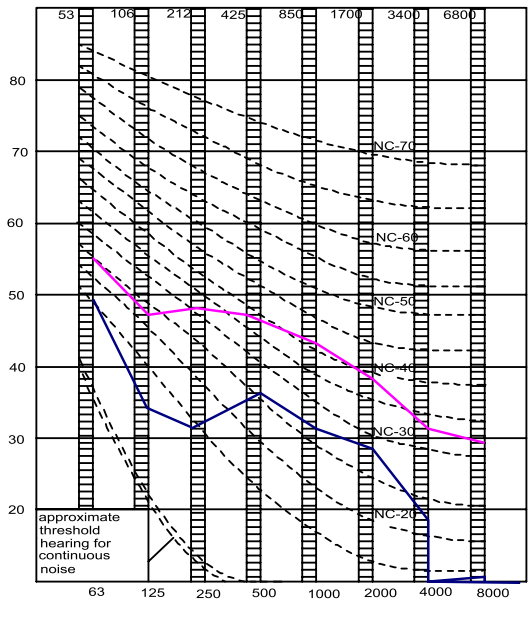


heating

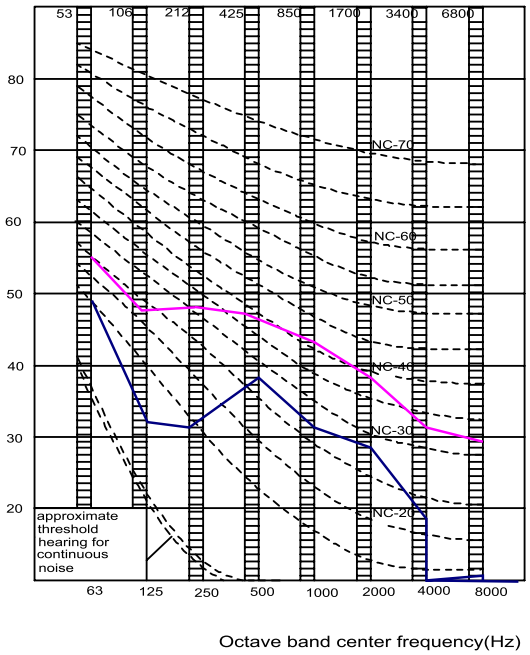


HSU-12L/HEK03

cooling



heating

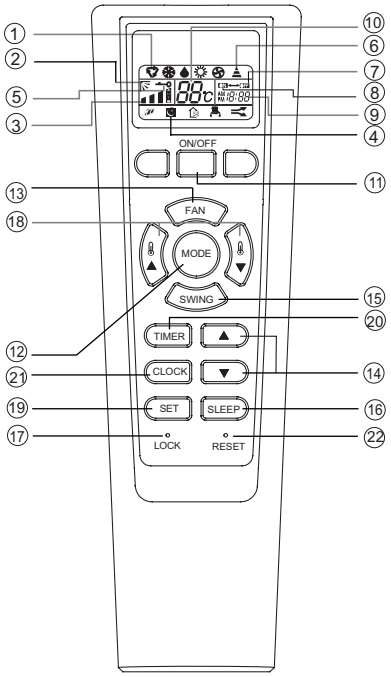


11 Accessories

Standard accessories

Standard name	HSU-07LEK03	HSU-07HEK03	HSU-09LEK03	HSU-09HEK03	HSU-12LEK03	HSU-12HEK03
Drain hose	1	1	1	1	1	1
Plastic bag	1	1	1	1	1	1
screw assembly	1	1	1	1	1	1
Air purifier	2	2	2	2	2	2
Change for fresh air tube (suit)	0	0	0	0	0	0
Mounting plate	1	1	1	1	1	1
Remote controller	1	1	1	1	1	1
Installation manual	1	1	1	1	1	1
Operation manual	1	1	1	1	1	1
R-03 dry battery	2	2	2	2	2	2
Steel nail	6	6	6	6	6	6
Plastic cap	4	4	4	4	4	4
Cover	1	1	1	1	1	1
Cushion	4	4	4	4	4	1
Pipe supporting plate	1	1	1	1	1	1
Drain-elbow	0	1	0	1	0	1

12 Control systems



1. Mode display
   AUTO
   COOL
   DRY
   HEAT
   FAN
2. SWING display
3. FAN SPEED display

4. SLEEP display
5. LOCK display
6. SIGNAL SENDING
7. TIMER OFF display
8. TIMER ON display
9. CLOCK display
10. TEMP display
11. POWER ON/OFF
    Used for unit start and stop.
12. MODE
    Used to select AUTO run, COOL, DRY, HEAT and FAN operation
13. FAN
    Used to select fan speed LO, MED, HI, AUTO
14. HOUR
    Used to set clock and timer setting.
15. SWING
    Used to set auto fan direction.
16. SLEEP
    Used to select sleep mode.
17. LOCK
    Used to lock buttons and LCD display.
18. TEMP.SETTING
    Used to select your desired temp.
19. SET
    Used to confirm timer and clock settings.
20. TIMER
    Used to select TIMER ON, TIMER OFF, TIMER ON-OFF
21. CLOCK
    Used to set correct time
22. RESET
    Used to reset the controller back to normal condition.
    Used to operate the healthy function.

Clock set

When unit is started for the first time and after replacing batteries in remote controller, clock should be adjusted as follows:
Press CLOCK button, "AM" or "PM" flashes.
Press △ or ▽ to set correct time. Each press will increase or decrease 1min. If the button is kept depressed, time will change quickly.
After time setting is confirmed, press SET, "AM "and "PM" stop flashing, while clock starts working.

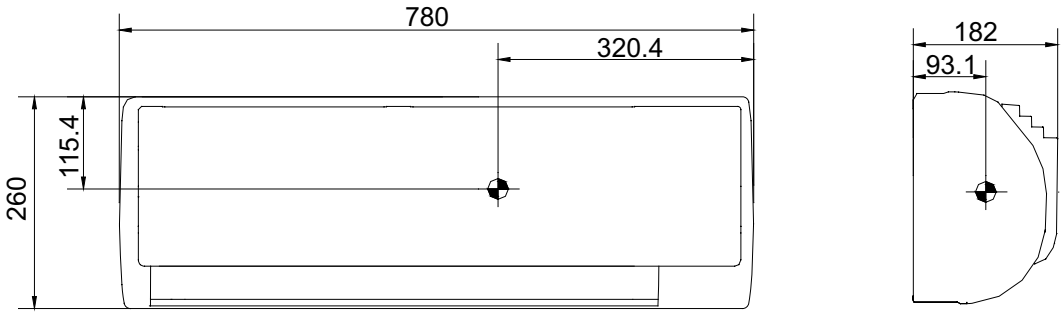
NOTE: Cooling only unit do not have displays and functions related with heating

Hints

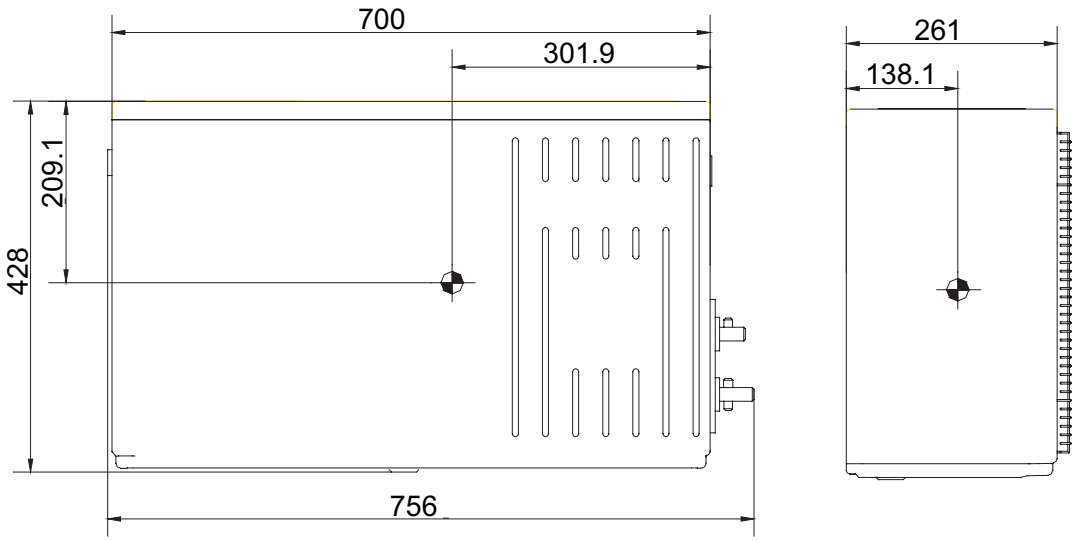
After replacing with new batteries, remote controller will conduct self-check, displaying all information on LCD. Then, it will become normal.

13 Center of gravity

Indoor unit

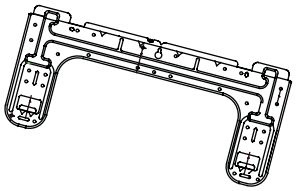


Outdoor unit

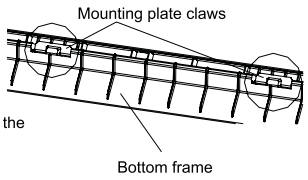


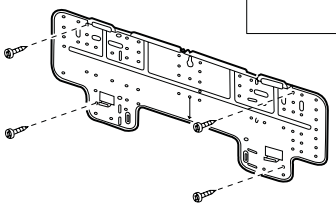
14 Installation

Indoor

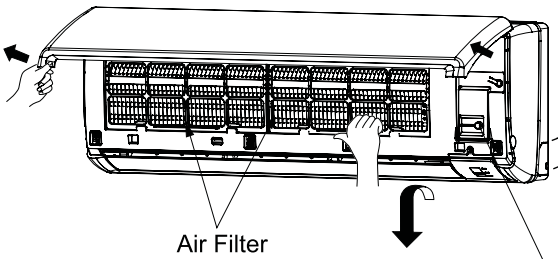


- How to attach the indoor unit.
  Hook the claws of the bottom frame to the mounting plate.
  If the claws are difficult to hook ,remove the front panel.
- How to remove the indoor unit.
  Push up the marked area (at the lower part of the front panel) to release the the claws . If it is difficult to release ,remove the front panel .



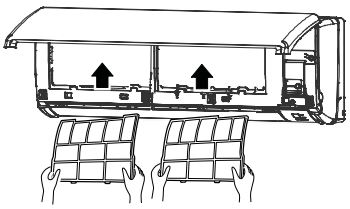


The mounting plate should be installed on a wall which can support the weight of the indoor unit.



Piping hole pipe

Cut thermal insulation pipe to an appropriate length and wrap it with tape, making sure that no gap is left in the insulation pipe's cut line .



How to remove the air filter.

Open the inlet grille by pulling it upward.

Push up the filter's center tab slightly until it is released from the stopper, and remove the filter downward.

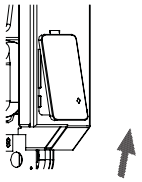
How to Attach the air filter.

Attach the filter correctly so that the "FRONT" indication is facing to the front.Make sure that the filter is completely fixed behind the stopper.If the right and left filters are not attached correctly, that may cause defects.

Close the inlet grille.

Service lid

The service lid is an open/close type

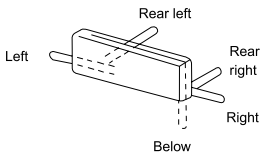


Remove the screws on the service lid.
Slide the service lid leftward.
Rotate the service lid upward

Outdoor

Model	07/09/12 class
Max.allowable length	7m/7m/10m
Max.allowable height	5m
Additional refrigerant required for refrigerant pipe exceeding 5m in length	20g/m
Gas pipe	O.D. 9.52 /9.52/12.7
Liquid pipe	O.D. 6.35

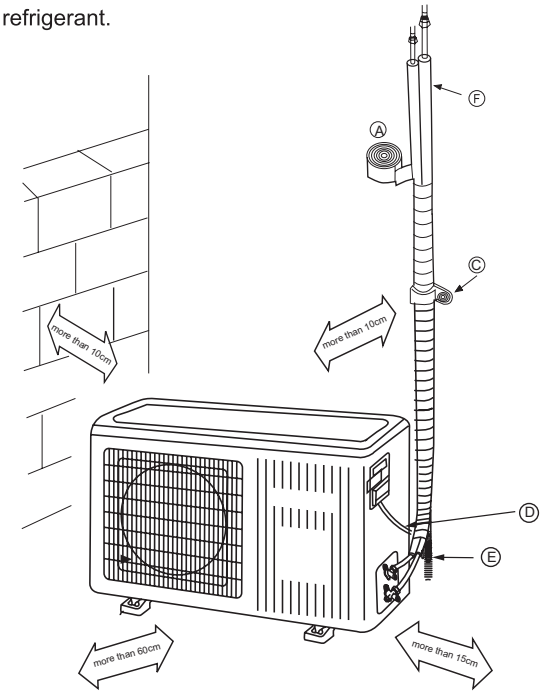
Arrangement of piping directions



*Be sure to add the proper amount of additional refrigerant.
Failuretodosomayresultinreducedperformance.

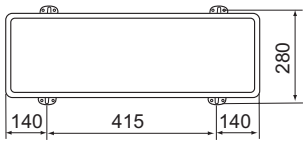
Optional parts for piping

Mark	Parts name
Ⓐ	Non-adhesive tape
Ⓑ	Adhesive tape
Ⓒ	Saddle(L.S) with screws
Ⓓ	Connecting electric cable for indoor and outdoor
Ⓔ	Drain hose
Ⓕ	Heating insulating material
Ⓖ	Piping hole cover



※ The marks from Ⓐ to Ⓖ in the figure are the parts numbers.

※ The distance between the indoor unit and the floor should be more than 2m.



- Fix the unit to concrete or block with bolts(ϕ10mm) and nuts firmly and horizontally.
- When fitting the unit to wall surface, roof or rooftop, fix a supporter surely with nails or wires in consideration of earthquake and strong wind. The distance between the indoor unit and the floor should be more than 2m
- If vibration may affect the house, fix the unit by attaching a vibration-proof mat.

Sincere Forever

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