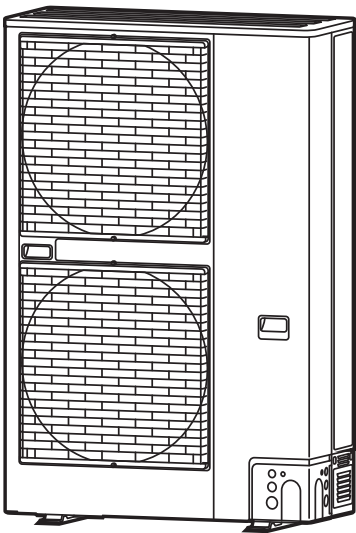


TECHNICAL DATA

Mini VRF SYSTEM

R410A



Model No.

Outdoor Units			
Type	Outdoor Unit Type	Rated Capacity	
		8 HP	10 HP
LE1	mini VRF System	U-8LE1E8	U-10LE1E8

HP = horsepower

Check of Density Limit

Check the amount of refrigerant in the system and floor space of the room according to the legislation on refrigerant drainage. If there is no applicable legislation, follow the standards described below.

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent. With the recent increase in the number of high density buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power, etc.

Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

In a room where the density may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device. The density is as given below.

Total amount of refrigerant (kg)

Min. volume of the indoor unit installed room (m³)

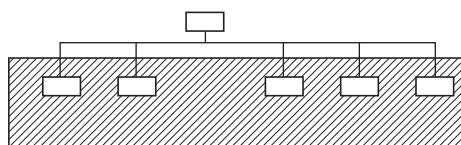
≤ Density limit (kg/m³)

The density limit of refrigerant which is used in multi air conditioners is 0.44 kg/m³ (ISO 5149).

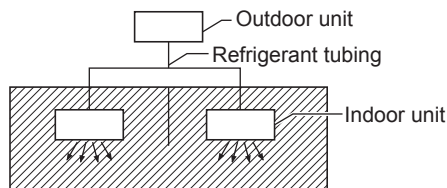
NOTE

- The standards for minimum room volume are as follows.

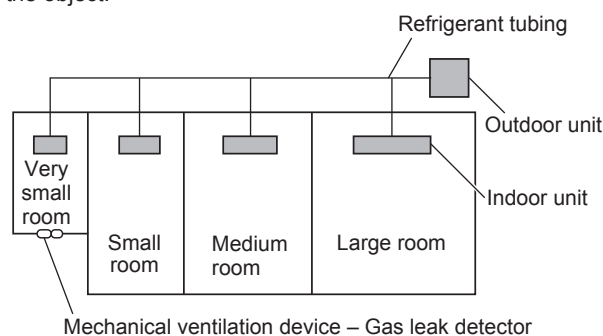
- (1) No partition (shaded portion)



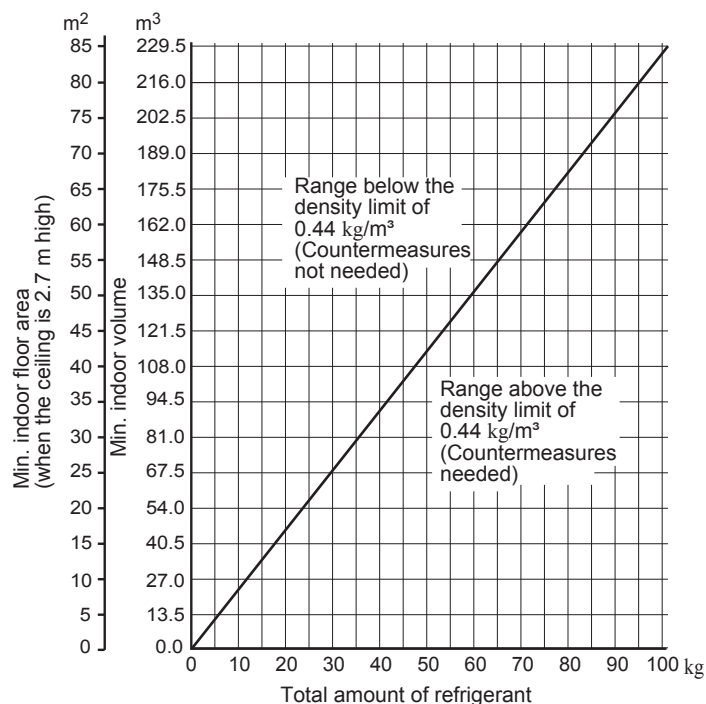
- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



- (3) If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object. But when mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.



- The minimum indoor floor space compared with the amount of refrigerant is roughly as follows: (When the ceiling is 2.7 m high)



1. Line-up

Outdoor Units

Type	Outdoor Unit Type	Rated Capacity	
		8 HP	10 HP
LE1	mini VRF System	U-8LE1E8	U-10LE1E8

HP = horsepower

Connecting Indoor Units

Type	Indoor Unit Type	Rated Capacity						
		15	22	28	36	45	56	60
D1	1-Way Cassette			S-28MD1E5	S-36MD1E5	S-45MD1E5	S-56MD1E5	
L1	2-Way Cassette		S-22ML1E5	S-28ML1E5	S-36ML1E5	S-45ML1E5	S-56ML1E5	
U1	4-Way Cassette		S-22MU1E5A	S-28MU1E5A	S-36MU1E5A	S-45MU1E5A	S-56MU1E5A	S-60MU1E5A
Y2	4-Way Cassette 60 × 60	S-15MY2E5A	S-22MY2E5A	S-28MY2E5A	S-36MY2E5A	S-45MY2E5A	S-56MY2E5A	
K1	Wall-Mounted					S-45MK1E5A	S-56MK1E5A	
K2	Wall-Mounted	S-15MK2E5A	S-22MK2E5A	S-28MK2E5A	S-36MK2E5A			
T2	Ceiling				S-36MT2E5A	S-45MT2E5A	S-56MT2E5A	
F2	Low Silhouette Ducted	S-15MF2E5A	S-22MF2E5A	S-28MF2E5A	S-36MF2E5A	S-45MF2E5A	S-56MF2E5A	S-60MF2E5A
M1	Slim Low Static Ducted	S-15MM1E5A	S-22MM1E5A	S-28MM1E5A	S-36MM1E5A	S-45MM1E5A	S-56MM1E5A	
P1	Floor Standing		S-22MP1E5	S-28MP1E5	S-36MP1E5	S-45MP1E5	S-56MP1E5	
R1	Concealed Floor Standing		S-22MR1E5	S-28MR1E5	S-36MR1E5	S-45MR1E5	S-56MR1E5	

Type	Indoor Unit Type	Rated Capacity				
		71 / 73	90	106	140	160
D1	1-Way Cassette	S-73MD1E5				
L1	2-Way Cassette	S-73ML1E5				
U1	4-Way Cassette	S-73MU1E5A	S-90MU1E5A	S-106MU1E5A	S-140MU1E5A	S-160MU1E5A
K1	Wall-Mounted	S-73MK1E5A		S-106MK1E5A		
T2	Ceiling	S-73MT2E5A		S-106MT2E5A	S-140MT2E5A	
F2	Low Silhouette Ducted	S-73MF2E5A	S-90MF2E5A	S-106MF2E5A	S-140MF2E5A	S-160MF2E5A
P1	Floor Standing	S-71MP1E5				
R1	Concealed Floor Standing	S-71MR1E5				

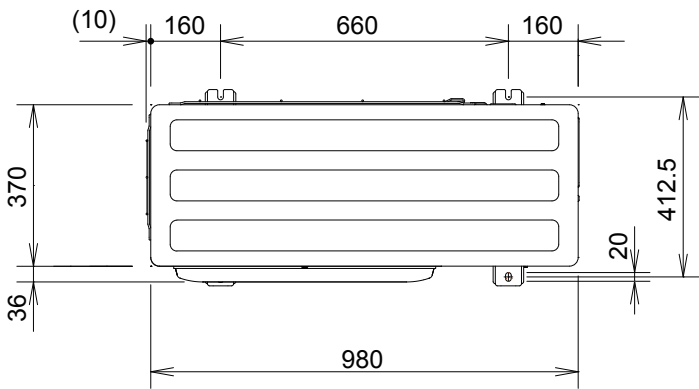
Type	Indoor Unit Type	Rated Capacity		
		180	224	280
E2	High Static Pressure Ducted	S-180ME2E5	S-224ME2E5	S-280ME2E5

1. Line-up

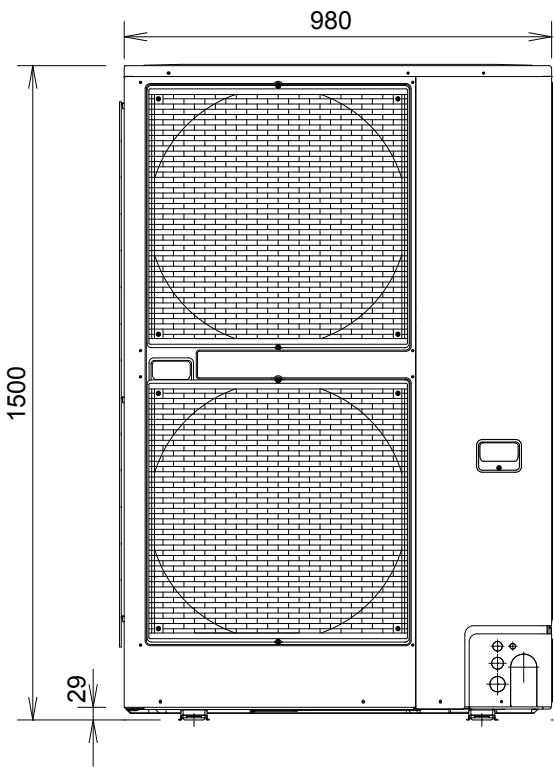
Outdoor units

Model	U-8LE1E8	U-10LE1E8
Capacity: kW Cooling / Heating	22.4 / 25.0	28.0 / 28.0

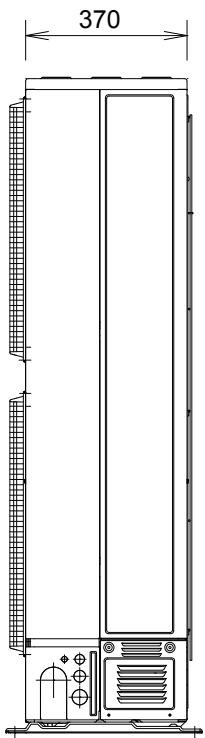
unit: mm



Top view



Front view

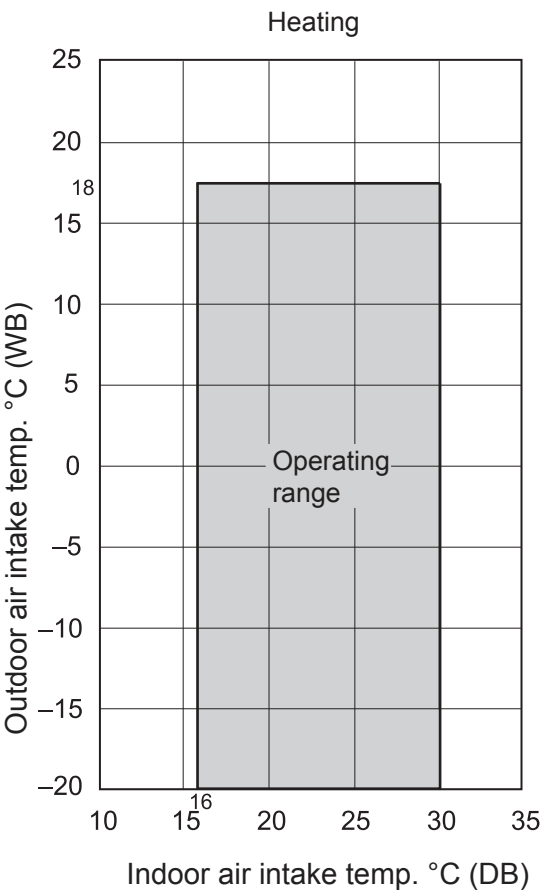
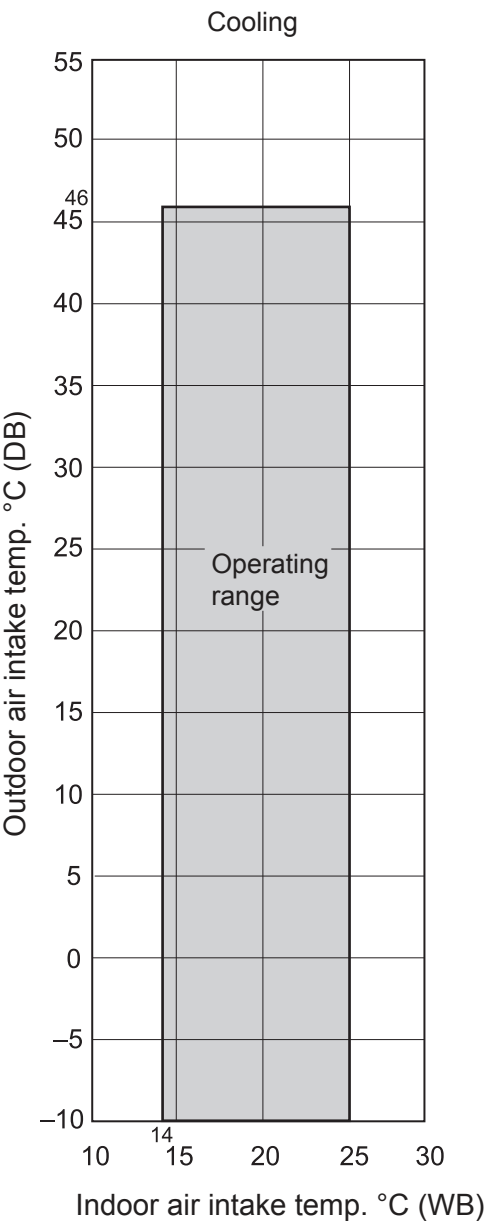


Side view

1

1. Model Selection and Capacity Calculator

1-1. Operating Range



1. Outdoor Unit

1-1. Specifications

Unit specifications

Outdoor Unit		MODEL	U-8LE1E8			U-10LE1E8		
Performance test condition			EN14511			EN14511		
Power supply		ø,Hz	3ø, 380/400/415V,50Hz			3ø, 380/400/415V,50Hz		
		V	380	400	415	380	400	415
C O O L I N G	Capacity	kW	22.4	22.4	22.4	28.0	28.0	28.0
		BTU/h	76500	76500	76500	95600	95600	95600
	Current	A	9.60	9.15	8.80	14.7	14.0	13.5
	Input power	W	5.89k	5.89k	5.89k	9.00k	9.00k	9.00k
	EER	(W/W)	3.80	3.80	3.80	3.11	3.11	3.11
	Power factor	%	93	93	93	93	93	93
	Noise outdoor	dB-A (Normal)	60.0			63.0		
		Power Level dB (Normal)	81.0			84.0		
		dB-A (Silent 1)	57.0			60.0		
		dB-A (Silent 2)	55.0			58.0		
dB-A (Silent 3)		53.0			56.0			
H E A T I N G	Capacity	kW	25.0	25.0	25.0	28.0	28.0	28.0
		BTU/h	85300	85300	85300	95600	95600	95600
	Current	A	10.2	9.65	9.30	11.6	11.1	10.7
	Input power	W	6.22k	6.22k	6.22k	7.13k	7.13k	7.13k
	COP	(W / W)	4.02	4.02	4.02	3.93	3.93	3.93
	Power factor	%	93	93	93	93	93	93
Max Current (A) / Max Input power (W)		13.7 / 9.16k	13.7 / 9.16k	13.7 / 9.16k	19.6 / 13.1k	19.6 / 13.1k	19.6 / 13.1k	
Starting current (A) / Comp output (W)		1 / -	1 / -	1 / -	1 / -	1 / -	1 / -	
Time Delay fuse max size (A)		25			30			
Fan motor output		W / Pole number	120	/	8	120	/	8
External static pressure		Pa	0 ~ 35			0 ~ 35		
Air flow		m³/ min	150			160		
Refrigerant type / amount g		R410A / 6.3k			R410A / 6.6k			
Product dimension	Height	mm	1500			1500		
	Width	mm	980			980		
	Depth	mm	370			370		
Packing dimension	Height	mm	1642			1642		
	Width	mm	1095			1095		
	Depth	mm	529			529		
Weight	(NET) kg		132			133		
	(GROSS) kg		144			145		
Layers limit		2			2			
Operation condition (Outdoor)	Cool (DBT)		-10°C ~ 46°C			-10°C ~ 46°C		
	Heat (WBT)		-20°C ~ 18°C			-20°C ~ 18°C		
MAX. WORKING PRESSURE	High side bar (MPa)		38.0 (3.80)			38.0 (3.80)		
	Low side bar (MPa)		27.0 (2.70)			27.0 (2.70)		
P I P I N G	Pipe diameter mm (inch) (Under 90m for ultimate Indoor unit.)		(Liquid) 9.52(3/8) (Gas) 19.05(3/4)			(Liquid) 9.52(3/8) (Gas) 22.22(7/8)		
	Pipe diameter mm (inch) *1 (Over 90m for ultimate Indoor unit.)		(Liquid) 12.7(1/2) (Gas) 22.22(7/8)			(Liquid) 12.7(1/2) (Gas) 25.4(1)		
	Connecting method		flared(Liquid) , flared(Gas)			flared(Liquid) , brazing(Gas)		
	Max tubing length m		7.5	~	150	7.5	~	150
	Total Max tubing length m		7.5	~	300	7.5	~	300
	Indoor unit & Outdoor unit height difference (Outdoor unit upper / Outdoor unit Lower) m		50 / 40			50 / 40		
	Max connectable indoor units pcs.		15 *2			15 *2		
Max allowable indoor/outdoor capacity ratio %		50 ~ 130			50 ~ 130			

*1: If the longest tubing equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes.

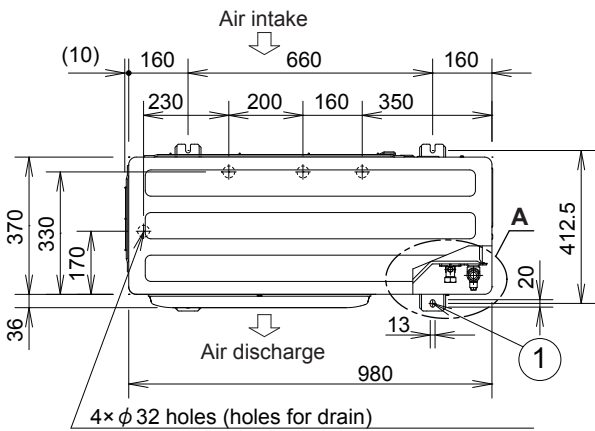
*2: If the heating utilized , it is necessary to increase 1 size with respect to the main liquid pipe, depending on the combination of the indoor unit.

Max total refrigerant amount of 1 outdoor unit is 24kg.

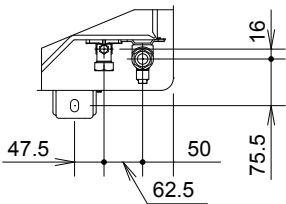
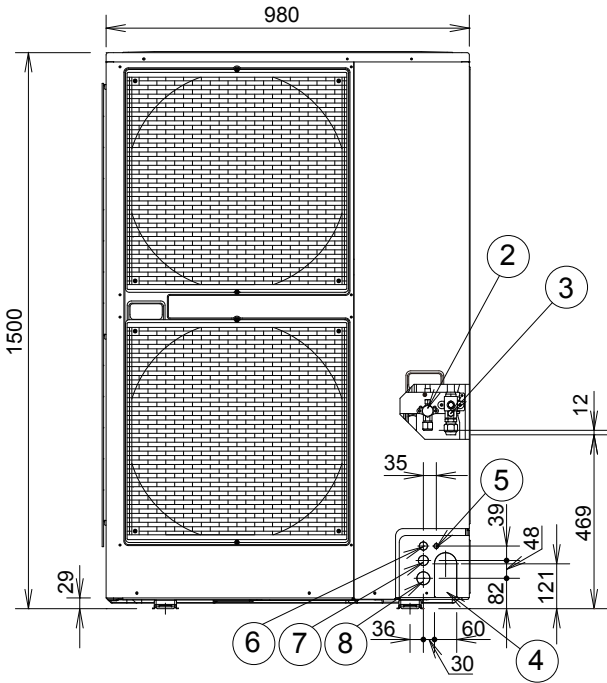
1. Outdoor Unit

1-2. Dimensional Data
U-10LE1E8

Unit: mm



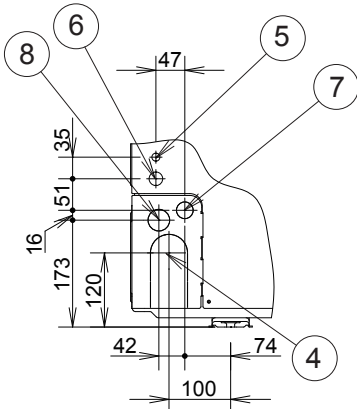
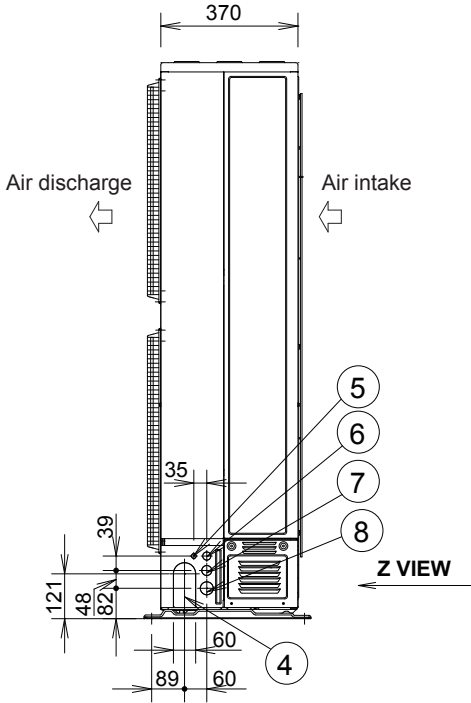
When using a drain pipe, install the drain socket (field supply) onto the drain port. Seal the other drain port with the rubber cap.



A VIEW

①	Mounting hole (4-R6.5), anchor bolt : M10
②	Refrigerant tubing (liquid tube), flared connection (ø12.7)
③	Refrigerant tubing (gas tube), flared connection (ø19.05)
④	Refrigerant tubing port
⑤	Electrical wiring port (ø13)
⑥	Electrical wiring port (ø22)
⑦	Electrical wiring port (ø27)
⑧	Electrical wiring port (ø35)

The tubing of the gas main has a diameter of ø22.22, but the connection to the service valve of the outdoor unit has a diameter of ø19.05, so a flare has to be used. Consequently, be sure to use the enclosed joint tube B and joint tube A in making connections (braze).



Z VIEW

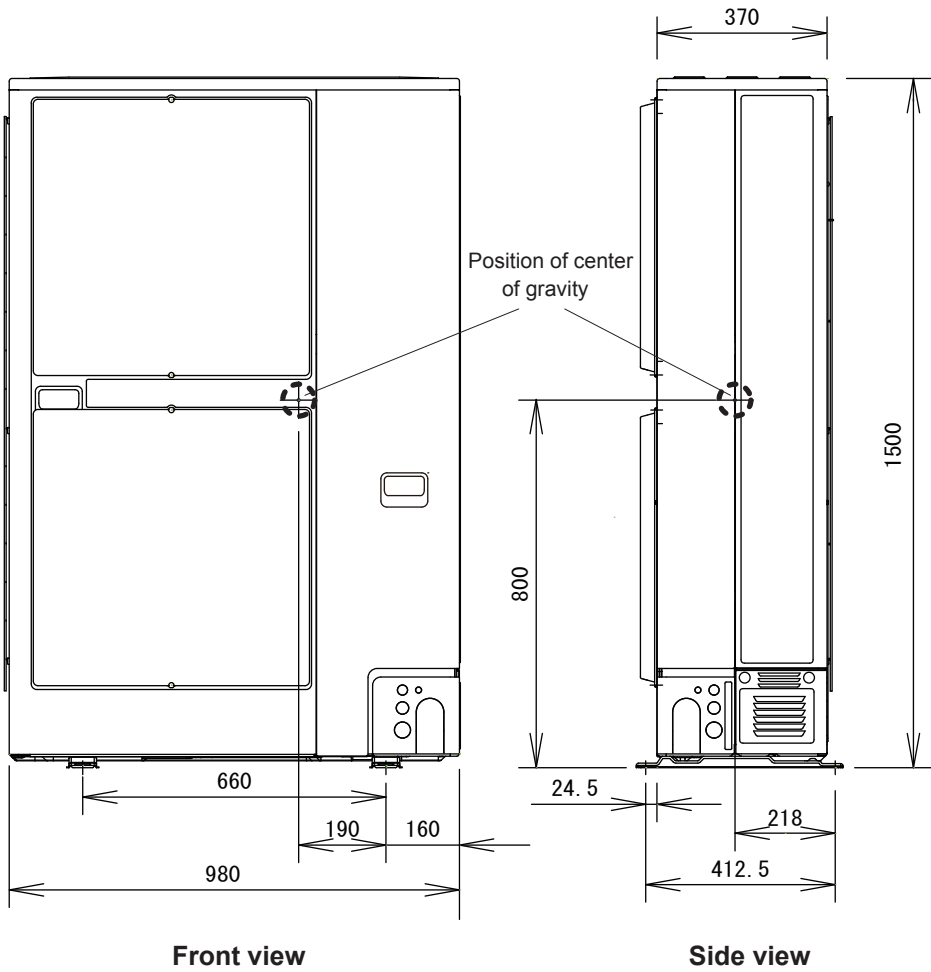
1. Outdoor Unit

1-3. Position of Center of Gravity
U-8LE1E8, U-10LE1E8

Unit: mm

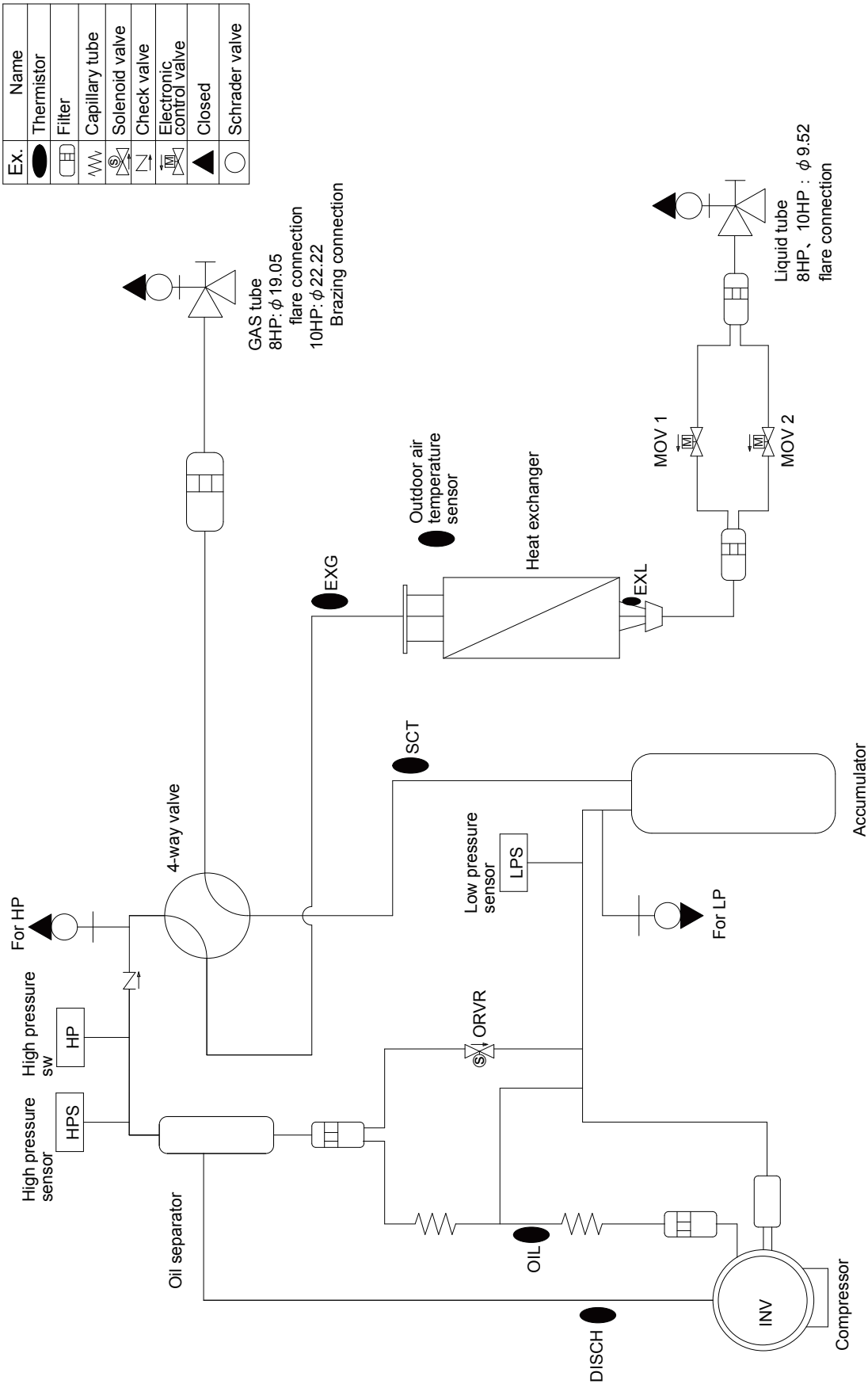
Weight

Model	Weight
	(kg)
U-8LE1E8	132
U-10LE1E8	133



1. Outdoor Unit

1-4. Refrigerant Flow Diagram
U-8LE1E8, U-10LE1E8

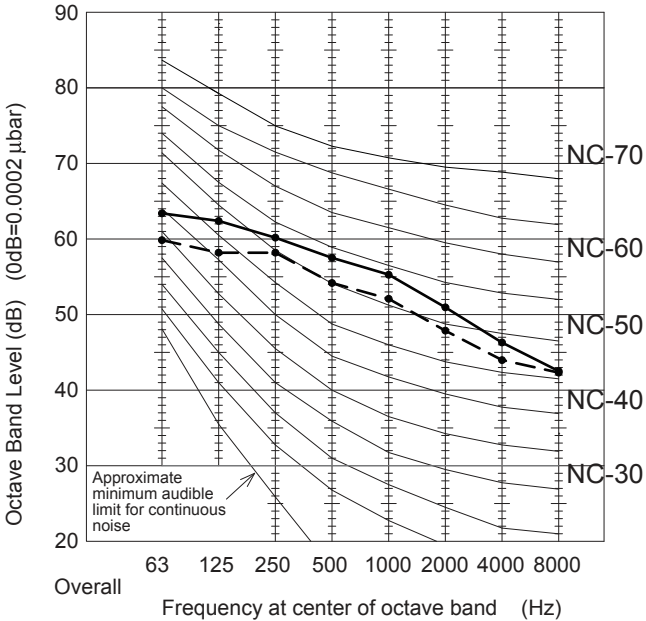


1. Outdoor Unit

1-5. Noise Criterion Curves

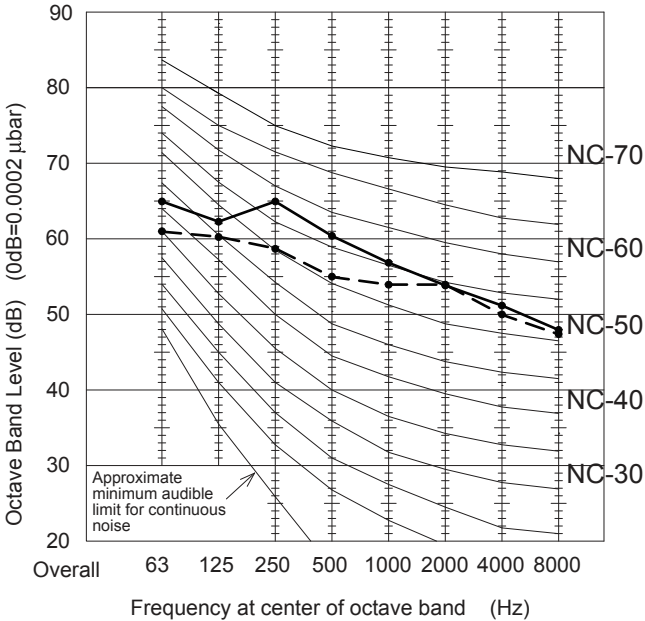
MODEL	U-8LE1E8
SOUND LEVEL dB(A) (Cooling/Heating)	60.0 (Quiet mode 57.0)
CONDITION	1 m in front at height of 1.5 m

50Hz
—●— Standard mode
- -●- - Quiet mode



MODEL	U-10LE1E8
SOUND LEVEL dB(A) (Cooling/Heating)	63.0 (Quiet mode 60.0)
CONDITION	1 m in front at height of 1.5 m

50Hz
—●— Standard mode
- -●- - Quiet mode



1. Capacity of Outdoor Unit

1-3. U-10LE1E8 (Cooling)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-10.0	24.3	3.56	29.1	4.28	30.1	4.45	30.1	4.45	34.1	5.04	38.1	5.62	42.1	6.20
	-5.0	24.3	3.57	29.1	4.30	30.1	4.47	30.1	4.47	34.1	5.06	38.1	5.64	42.1	6.22
	0.0	24.3	3.59	29.1	4.32	30.1	4.51	30.1	4.51	34.1	5.09	38.1	5.67	42.1	6.25
	5.0	24.3	3.61	29.1	4.35	30.1	4.56	30.1	4.56	34.1	5.15	38.1	5.72	42.1	6.30
	10.0	24.3	3.66	29.1	4.42	30.1	4.67	30.1	4.67	34.1	5.25	38.1	5.82	42.1	6.39
	15.0	24.3	3.77	29.1	4.57	30.1	4.89	30.1	4.89	34.1	5.47	38.1	6.01	42.1	7.42
	20.0	24.3	4.05	29.1	4.97	30.1	5.67	30.1	5.67	34.1	6.77	38.1	7.97	42.1	9.28
	25.0	24.3	4.95	29.1	6.19	30.1	7.01	30.1	7.01	34.1	8.31	38.1	9.73	42.1	11.28
	30.0	24.3	6.04	29.1	7.53	30.1	8.44	30.1	8.44	34.1	9.98	38.1	11.67	40.0	11.70
	35.0	24.3	7.22	29.1	8.97	30.1	10.04	30.1	10.04	32.2	10.31	34.2	10.26	36.5	10.31
	40.0	20.6	7.27	22.0	7.27	22.0	7.27	22.0	7.27	23.8	7.40	25.9	7.59	28.3	7.83
	43.0	16.9	5.73	17.4	5.73	17.4	5.73	17.4	5.73	19.2	5.95	21.2	6.21	23.5	6.49
	46.0	13.5	4.94	15.0	4.94	15.0	4.94	15.0	4.94	16.9	5.23	19.1	5.54	21.3	5.87
120%	-10.0	22.4	3.29	26.9	3.96	29.4	4.35	29.4	4.35	33.3	4.92	37.2	5.49	41.2	6.06
	-5.0	22.4	3.30	26.9	3.97	29.4	4.37	29.4	4.37	33.3	4.94	37.2	5.51	41.2	6.08
	0.0	22.4	3.31	26.9	3.99	29.4	4.40	29.4	4.40	33.3	4.98	37.2	5.54	41.2	6.11
	5.0	22.4	3.34	26.9	4.02	29.4	4.45	29.4	4.45	33.3	5.03	37.2	5.60	41.2	6.16
	10.0	22.4	3.38	26.9	4.09	29.4	4.55	29.4	4.55	33.3	5.14	37.2	5.69	41.2	6.24
	15.0	22.4	3.48	26.9	4.22	29.4	4.76	29.4	4.76	33.3	5.35	37.2	5.88	41.2	7.08
	20.0	22.4	3.75	26.9	4.60	29.4	5.45	29.4	5.45	33.3	6.49	37.2	7.63	41.2	8.87
	25.0	22.4	4.58	26.9	5.69	29.4	6.75	29.4	6.75	33.3	7.99	37.2	9.34	41.2	10.80
	30.0	22.4	5.58	26.9	6.92	29.4	8.14	29.4	8.14	33.3	9.61	37.2	11.21	39.4	11.70
	35.0	22.4	6.66	26.9	8.25	29.4	9.68	29.4	9.68	31.9	10.27	33.7	10.17	35.8	10.18
	40.0	19.0	6.77	21.7	7.21	21.7	7.21	21.7	7.21	23.4	7.30	25.4	7.46	27.7	7.67
	43.0	15.8	5.65	17.0	5.65	17.0	5.65	17.0	5.65	18.8	5.85	20.7	6.08	22.8	6.34
	46.0	12.6	4.85	14.1	4.85	14.7	4.85	14.7	4.85	16.5	5.11	18.5	5.40	20.7	5.71
110%	-10.0	20.5	3.02	24.6	3.63	28.7	4.24	28.7	4.24	32.5	4.81	36.4	5.36	40.2	5.92
	-5.0	20.5	3.03	24.6	3.64	28.7	4.26	28.7	4.26	32.5	4.83	36.4	5.38	40.2	5.94
	0.0	20.5	3.04	24.6	3.66	28.7	4.29	28.7	4.29	32.5	4.86	36.4	5.41	40.2	5.97
	5.0	20.5	3.06	24.6	3.69	28.7	4.34	28.7	4.34	32.5	4.92	36.4	5.47	40.2	6.01
	10.0	20.5	3.11	24.6	3.75	28.7	4.43	28.7	4.43	32.5	5.02	36.4	5.56	40.2	6.10
	15.0	20.5	3.20	24.6	3.88	28.7	4.63	28.7	4.63	32.5	5.24	36.4	5.75	40.2	6.74
	20.0	20.5	3.45	24.6	4.23	28.7	5.24	28.7	5.24	32.5	6.23	36.4	7.31	40.2	8.48
	25.0	20.5	4.21	24.6	5.21	28.7	6.50	28.7	6.50	32.5	7.68	36.4	8.96	40.2	10.34
	30.0	20.5	5.13	24.6	6.33	28.7	7.84	28.7	7.84	32.5	9.24	36.4	10.76	39.2	11.70
	35.0	20.5	6.11	24.6	7.54	28.7	9.34	28.7	9.34	31.6	10.24	33.2	10.09	35.3	10.06
	40.0	17.5	6.22	20.9	7.15	21.4	7.15	21.4	7.15	23.0	7.21	24.9	7.34	27.0	7.52
	43.0	14.8	5.57	15.8	5.57	16.7	5.57	16.7	5.57	18.4	5.74	20.2	5.95	22.3	6.19
	46.0	11.7	4.56	13.0	4.71	14.3	4.75	14.3	4.75	16.1	5.00	18.0	5.27	20.1	5.55
100%	-10.0	18.7	2.75	22.4	3.30	26.1	3.86	28.0	4.14	31.7	4.69	35.5	5.23	39.2	5.78
	-5.0	18.7	2.75	22.4	3.31	26.1	3.87	28.0	4.15	31.7	4.71	35.5	5.25	39.2	5.79
	0.0	18.7	2.77	22.4	3.33	26.1	3.90	28.0	4.18	31.7	4.75	35.5	5.29	39.2	5.82
	5.0	18.7	2.79	22.4	3.36	26.1	3.94	28.0	4.23	31.7	4.80	35.5	5.34	39.2	5.87
	10.0	18.7	2.83	22.4	3.42	26.1	4.01	28.0	4.32	31.7	4.91	35.5	5.43	39.2	5.96
	15.0	18.7	2.91	22.4	3.54	26.1	4.17	28.0	4.50	31.7	5.12	35.5	5.62	39.2	6.13
	20.0	18.7	3.15	22.4	3.86	26.1	4.59	28.0	5.04	31.7	5.97	35.5	6.99	39.2	8.10
	25.0	18.7	3.86	22.4	4.75	26.1	5.73	28.0	6.26	31.7	7.38	35.5	8.59	39.2	9.90
	30.0	18.7	4.69	22.4	5.76	26.1	6.93	28.0	7.56	31.7	8.88	35.5	10.32	38.9	11.70
	35.0	18.7	5.57	22.4	6.85	26.1	8.24	28.0	9.00	31.3	10.22	32.8	10.03	34.7	9.95
	40.0	15.9	5.68	19.0	6.96	20.5	7.11	21.1	7.10	22.6	7.13	24.4	7.23	26.4	7.38
	43.0	13.7	5.42	14.6	5.39	15.7	5.45	16.4	5.50	18.0	5.65	19.7	5.83	21.7	6.04
	46.0	10.8	4.27	11.9	4.39	13.3	4.56	14.0	4.66	15.7	4.89	17.5	5.14	19.5	5.40

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.

1. Capacity of Outdoor Unit

U-10LE1E8 (Cooling)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-10.0	16.8	2.47	20.2	2.97	23.5	3.47	25.2	3.72	28.6	4.22	31.9	4.72	35.3	5.20
	-5.0	16.8	2.48	20.2	2.98	23.5	3.48	25.2	3.73	28.6	4.24	31.9	4.74	35.3	5.22
	0.0	16.8	2.49	20.2	2.99	23.5	3.50	25.2	3.75	28.6	4.26	31.9	4.77	35.3	5.25
	5.0	16.8	2.50	20.2	3.01	23.5	3.53	25.2	3.79	28.6	4.31	31.9	4.82	35.3	5.30
	10.0	16.8	2.53	20.2	3.06	23.5	3.59	25.2	3.86	28.6	4.39	31.9	4.92	35.3	5.39
	15.0	16.8	2.60	20.2	3.15	23.5	3.71	25.2	3.99	28.6	4.56	31.9	5.11	35.3	5.55
	20.0	16.8	2.78	20.2	3.39	23.5	4.02	25.2	4.34	28.6	5.01	31.9	5.81	35.3	6.68
	25.0	16.8	3.39	20.2	4.12	23.5	4.91	25.2	5.34	28.6	6.24	31.9	7.20	35.3	8.23
	30.0	16.8	4.12	20.2	5.01	23.5	5.97	25.2	6.47	28.6	7.54	31.9	8.69	35.3	9.92
	35.0	16.8	4.90	20.2	5.96	23.5	7.10	25.2	7.72	28.6	8.97	31.3	9.90	32.7	9.65
	40.0	14.3	5.01	17.1	6.07	19.7	7.04	20.2	6.96	21.3	6.86	22.6	6.84	24.2	6.87
	43.0	12.4	4.86	14.0	5.29	14.8	5.25	15.4	5.25	16.6	5.30	17.9	5.39	19.5	5.51
	46.0	10.3	4.16	11.1	4.20	12.2	4.29	12.8	4.35	14.1	4.49	15.6	4.65	17.2	4.83
Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80%	-10.0	14.9	2.19	17.9	2.64	20.9	3.08	22.4	3.30	25.4	3.74	28.4	4.19	31.4	4.63
	-5.0	14.9	2.20	17.9	2.64	20.9	3.09	22.4	3.31	25.4	3.76	28.4	4.21	31.4	4.65
	0.0	14.9	2.21	17.9	2.65	20.9	3.10	22.4	3.33	25.4	3.78	28.4	4.23	31.4	4.68
	5.0	14.9	2.22	17.9	2.67	20.9	3.13	22.4	3.35	25.4	3.81	28.4	4.27	31.4	4.73
	10.0	14.9	2.24	17.9	2.70	20.9	3.17	22.4	3.40	25.4	3.87	28.4	4.34	31.4	4.82
	15.0	14.9	2.29	17.9	2.77	20.9	3.26	22.4	3.50	25.4	3.99	28.4	4.49	31.4	4.98
	20.0	14.9	2.42	17.9	2.95	20.9	3.48	22.4	3.75	25.4	4.29	28.4	4.84	31.4	5.43
	25.0	14.9	2.94	17.9	3.54	20.9	4.17	22.4	4.51	25.4	5.21	28.4	5.96	31.4	6.76
	30.0	14.9	3.60	17.9	4.32	20.9	5.09	22.4	5.49	25.4	6.34	28.4	7.24	31.4	8.19
	35.0	14.9	4.28	17.9	5.14	20.9	6.06	22.4	6.56	25.4	7.55	28.4	8.62	31.1	9.61
	40.0	14.9	5.01	17.9	6.04	20.9	7.13	22.4	7.70	23.8	7.77	24.9	7.61	26.2	7.51
	43.0	11.0	4.27	13.3	5.10	14.1	5.14	14.5	5.10	15.4	5.05	16.4	5.05	17.6	5.08
	46.0	9.9	4.11	10.5	4.06	11.3	4.07	11.7	4.09	12.8	4.15	13.9	4.24	15.2	4.35
Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-10.0	13.1	1.92	15.7	2.31	18.3	2.69	19.6	2.89	22.2	3.27	24.8	3.66	27.4	4.05
	-5.0	13.1	1.92	15.7	2.31	18.3	2.70	19.6	2.89	22.2	3.28	24.8	3.67	27.4	4.06
	0.0	13.1	1.93	15.7	2.32	18.3	2.71	19.6	2.91	22.2	3.30	24.8	3.69	27.4	4.08
	5.0	13.1	1.94	15.7	2.33	18.3	2.73	19.6	2.92	22.2	3.32	24.8	3.72	27.4	4.12
	10.0	13.1	1.96	15.7	2.36	18.3	2.76	19.6	2.96	22.2	3.36	24.8	3.77	27.4	4.18
	15.0	13.1	1.99	15.7	2.40	18.3	2.82	19.6	3.03	22.2	3.45	24.8	3.87	27.4	4.30
	20.0	13.1	2.08	15.7	2.53	18.3	2.97	19.6	3.20	22.2	3.65	24.8	4.11	27.4	4.57
	25.0	13.1	2.44	15.7	2.98	18.3	3.51	19.6	3.77	22.2	4.30	24.8	4.87	27.4	5.47
	30.0	13.1	3.12	15.7	3.69	18.3	4.29	19.6	4.60	22.2	5.26	24.8	5.94	27.4	6.66
	35.0	13.1	3.70	15.7	4.39	18.3	5.12	19.6	5.50	22.2	6.28	24.8	7.10	27.4	7.95
	40.0	13.1	4.33	15.7	5.15	18.3	6.02	19.6	6.47	22.2	7.40	23.5	7.51	24.4	7.28
	43.0	9.7	3.71	11.6	4.38	13.5	5.09	13.8	5.04	14.4	4.91	15.1	4.82	16.0	4.76
	46.0	9.2	3.86	10.0	3.99	10.5	3.92	10.9	3.90	11.6	3.89	12.5	3.91	13.4	3.94
Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60%	-10.0	11.2	1.65	13.4	1.98	15.7	2.31	16.8	2.47	19.0	2.80	21.3	3.13	23.5	3.47
	-5.0	11.2	1.65	13.4	1.98	15.7	2.31	16.8	2.48	19.0	2.81	21.3	3.14	23.5	3.48
	0.0	11.2	1.65	13.4	1.99	15.7	2.32	16.8	2.49	19.0	2.82	21.3	3.15	23.5	3.49
	5.0	11.2	1.66	13.4	1.99	15.7	2.33	16.8	2.50	19.0	2.84	21.3	3.17	23.5	3.51
	10.0	11.2	1.67	13.4	2.01	15.7	2.35	16.8	2.52	19.0	2.87	21.3	3.21	23.5	3.55
	15.0	11.2	1.70	13.4	2.04	15.7	2.39	16.8	2.57	19.0	2.92	21.3	3.28	23.5	3.63
	20.0	11.2	1.76	13.4	2.13	15.7	2.50	16.8	2.68	19.0	3.06	21.3	3.43	23.5	3.81
	25.0	11.2	1.99	13.4	2.42	15.7	2.85	16.8	3.06	19.0	3.48	21.3	3.92	23.5	4.35
	30.0	11.2	2.67	13.4	3.11	15.7	3.57	16.8	3.81	19.0	4.30	21.3	4.81	23.5	5.33
	35.0	11.2	3.17	13.4	3.70	15.7	4.26	16.8	4.55	19.0	5.14	21.3	5.75	23.5	6.38
	40.0	11.2	3.69	13.4	4.34	15.7	5.01	16.8	5.35	19.0	6.06	21.3	6.79	23.2	7.32
	43.0	11.2	4.03	13.4	4.74	15.7	5.49	16.8	5.87	18.5	6.35	19.1	6.10	19.9	5.91
	46.0	7.9	3.32	9.4	3.88	10.0	3.87	10.2	3.81	10.7	3.73	11.3	3.67	11.9	3.64

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.

1. Capacity of Outdoor Unit

U-10LE1E8 (Cooling)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-10.0	9.3	1.37	11.2	1.65	13.1	1.92	14.0	2.06	15.9	2.33	17.7	2.61	19.6	2.88
	-5.0	9.3	1.37	11.2	1.65	13.1	1.92	14.0	2.06	15.9	2.34	17.7	2.61	19.6	2.89
	0.0	9.3	1.38	11.2	1.65	13.1	1.93	14.0	2.07	15.9	2.35	17.7	2.62	19.6	2.90
	5.0	9.3	1.38	11.2	1.66	13.1	1.94	14.0	2.08	15.9	2.36	17.7	2.64	19.6	2.92
	10.0	9.3	1.39	11.2	1.67	13.1	1.95	14.0	2.09	15.9	2.38	17.7	2.66	19.6	2.94
	15.0	9.3	1.40	11.2	1.69	13.1	1.98	14.0	2.12	15.9	2.41	17.7	2.70	19.6	2.99
	20.0	9.3	1.44	11.2	1.74	13.1	2.04	14.0	2.19	15.9	2.49	17.7	2.80	19.6	3.10
	25.0	9.3	1.59	11.2	1.92	13.1	2.26	14.0	2.42	15.9	2.75	17.7	3.08	19.6	3.40
	30.0	9.3	2.27	11.2	2.60	13.1	2.93	14.0	3.10	15.9	3.45	17.7	3.81	19.6	4.18
	35.0	9.3	2.67	11.2	3.08	13.1	3.49	14.0	3.70	15.9	4.13	17.7	4.57	19.6	5.02
	40.0	9.3	3.10	11.2	3.59	13.1	4.09	14.0	4.35	15.9	4.86	17.7	5.39	19.6	5.92
	43.0	9.3	3.37	11.2	3.92	13.1	4.48	14.0	4.76	15.9	5.33	17.7	5.92	18.6	5.94
	46.0	9.3	3.66	11.2	4.27	13.1	4.88	14.0	5.20	14.2	4.90	14.7	4.73	15.3	4.59
Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-10.0	7.5	1.10	9.0	1.32	10.5	1.54	11.2	1.65	12.7	1.87	14.2	2.09	15.7	2.31
	-5.0	7.5	1.10	9.0	1.32	10.5	1.54	11.2	1.65	12.7	1.87	14.2	2.09	15.7	2.31
	0.0	7.5	1.10	9.0	1.32	10.5	1.54	11.2	1.65	12.7	1.87	14.2	2.09	15.7	2.32
	5.0	7.5	1.10	9.0	1.33	10.5	1.55	11.2	1.66	12.7	1.88	14.2	2.10	15.7	2.33
	10.0	7.5	1.11	9.0	1.33	10.5	1.56	11.2	1.67	12.7	1.89	14.2	2.12	15.7	2.34
	15.0	7.5	1.12	9.0	1.35	10.5	1.57	11.2	1.68	12.7	1.91	14.2	2.14	15.7	2.37
	20.0	7.5	1.14	9.0	1.38	10.5	1.61	11.2	1.72	12.7	1.96	14.2	2.19	15.7	2.43
	25.0	7.5	1.23	9.0	1.48	10.5	1.73	11.2	1.85	12.7	2.10	14.2	2.35	15.7	2.59
	30.0	7.5	1.91	9.0	2.14	10.5	2.37	11.2	2.48	12.7	2.72	14.2	2.95	15.7	3.19
	35.0	7.5	2.22	9.0	2.51	10.5	2.80	11.2	2.94	12.7	3.24	14.2	3.54	15.7	3.84
	40.0	7.5	2.56	9.0	2.91	10.5	3.27	11.2	3.45	12.7	3.81	14.2	4.17	15.7	4.53
	43.0	7.5	2.77	9.0	3.17	10.5	3.56	11.2	3.76	12.7	4.17	14.2	4.57	15.7	4.97
	46.0	7.5	2.99	9.0	3.43	10.5	3.88	11.2	4.10	12.7	4.55	13.9	4.83	14.2	4.59
Combination :Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		14.0		16.0		18.0		19.0		21.0		23.0		25.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
30%	-10.0	5.6	0.82	6.7	0.99	7.8	1.15	8.4	1.23	9.5	1.40	10.6	1.56	11.8	1.73
	-5.0	5.6	0.82	6.7	0.99	7.8	1.15	8.4	1.24	9.5	1.40	10.6	1.57	11.8	1.73
	0.0	5.6	0.83	6.7	0.99	7.8	1.16	8.4	1.24	9.5	1.40	10.6	1.57	11.8	1.73
	5.0	5.6	0.83	6.7	0.99	7.8	1.16	8.4	1.24	9.5	1.41	10.6	1.57	11.8	1.74
	10.0	5.6	0.83	6.7	1.00	7.8	1.16	8.4	1.25	9.5	1.41	10.6	1.58	11.8	1.75
	15.0	5.6	0.84	6.7	1.00	7.8	1.17	8.4	1.26	9.5	1.43	10.6	1.59	11.8	1.76
	20.0	5.6	0.85	6.7	1.02	7.8	1.19	8.4	1.28	9.5	1.45	10.6	1.62	11.8	1.79
	25.0	5.6	0.89	6.7	1.07	7.8	1.25	8.4	1.33	9.5	1.52	10.6	1.69	11.8	1.87
	30.0	5.6	1.24	6.7	1.42	7.8	1.59	8.4	1.66	9.5	1.85	10.6	2.02	11.8	2.18
	35.0	5.6	1.81	6.7	2.00	7.8	2.19	8.4	2.28	9.5	2.47	10.6	2.66	11.8	2.84
	40.0	5.6	2.06	6.7	2.30	7.8	2.53	8.4	2.65	9.5	2.88	10.6	3.11	11.8	3.33
	43.0	5.6	2.21	6.7	2.48	7.8	2.75	8.4	2.88	9.5	3.14	10.6	3.39	11.8	3.65
	46.0	5.6	2.38	6.7	2.68	7.8	2.97	8.4	3.12	9.5	3.41	10.6	3.70	11.8	3.98

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.

1. Capacity of Outdoor Unit

1-4. U-10LE1E8 (Heating)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20.0	17.0	7.33	16.5	7.21	15.6	6.95	15.1	6.81	13.7	6.37	12.7	6.04	10.2	5.13
	-14.7	-15.0	19.7	7.71	19.2	7.58	18.1	7.28	17.6	7.13	16.0	6.64	14.9	6.28	11.9	5.29
	-9.6	-10.0	22.9	8.27	22.3	8.12	21.1	7.78	20.5	7.61	18.7	7.05	17.4	6.66	14.0	5.56
	-4.4	-5.0	26.7	9.00	26.0	8.81	24.6	8.42	23.9	8.22	21.8	7.57	20.3	7.12	16.3	5.88
	-1.8	-2.5	28.4	9.27	28.0	9.17	26.5	8.74	25.8	8.51	23.4	7.82	21.8	7.33	17.6	6.05
	0.8	0.0	29.8	9.27	29.5	9.27	28.5	9.14	27.7	8.90	25.2	8.16	23.5	7.65	19.0	6.27
	2.8	2.0	31.2	9.27	30.8	9.27	30.1	9.27	29.4	9.14	26.8	8.34	24.5	7.61	19.0	5.87
	6.0	5.0	33.4	9.27	33.0	9.27	31.2	8.78	30.1	8.44	26.8	7.44	24.5	6.80	19.0	5.28
	7.0	6.0	34.2	9.27	33.4	9.10	31.2	8.43	30.1	8.10	26.8	7.15	24.5	6.54	19.0	5.09
	8.6	7.5	34.6	8.85	33.4	8.53	31.2	7.91	30.1	7.61	26.8	6.73	24.5	6.16	19.0	4.82
	11.2	10.0	34.6	7.90	33.4	7.62	31.2	7.08	30.1	6.82	26.8	6.05	24.5	5.56	19.0	4.38
	16.4	15.0	34.6	6.20	33.4	6.00	31.2	5.61	30.1	5.41	26.8	4.85	24.5	4.48	19.0	3.60
	24.0	18.0	34.6	5.33	33.4	5.17	31.2	4.85	30.1	4.69	26.8	4.24	24.5	3.94	19.0	3.21
120%	-19.8	-20.0	16.9	7.27	16.5	7.14	15.6	6.89	15.1	6.75	13.7	6.32	12.7	5.99	10.1	5.09
	-14.7	-15.0	19.7	7.66	19.2	7.52	18.1	7.23	17.6	7.07	15.9	6.59	14.8	6.24	11.9	5.25
	-9.6	-10.0	22.9	8.22	22.3	8.06	21.1	7.73	20.5	7.56	18.6	7.00	17.3	6.61	13.9	5.52
	-4.4	-5.0	26.7	8.94	26.0	8.75	24.6	8.37	23.9	8.16	21.7	7.52	20.2	7.07	16.2	5.84
	-1.8	-2.5	28.5	9.27	28.0	9.14	26.5	8.71	25.7	8.49	23.4	7.79	21.8	7.31	17.5	6.03
	0.8	0.0	30.0	9.27	29.6	9.27	28.5	9.06	27.7	8.83	25.2	8.10	23.5	7.59	18.5	6.06
	2.8	2.0	31.3	9.27	31.0	9.27	30.2	9.27	29.4	9.06	26.1	7.99	24.0	7.30	18.5	5.67
	6.0	5.0	33.6	9.27	32.7	9.02	30.5	8.37	29.4	8.05	26.1	7.12	24.0	6.53	18.5	5.10
	7.0	6.0	33.8	8.96	32.7	8.65	30.5	8.03	29.4	7.73	26.1	6.85	24.0	6.28	18.5	4.92
	8.6	7.5	33.8	8.40	32.7	8.11	30.5	7.53	29.4	7.26	26.1	6.44	24.0	5.91	18.5	4.65
	11.2	10.0	33.8	7.49	32.7	7.24	30.5	6.74	29.4	6.50	26.1	5.79	24.0	5.33	18.5	4.23
	16.4	15.0	33.8	5.87	32.7	5.69	30.5	5.33	29.4	5.16	26.1	4.64	24.0	4.30	18.5	3.48
	24.0	18.0	33.8	5.04	32.7	4.89	30.5	4.61	29.4	4.47	26.1	4.05	24.0	3.78	18.5	3.10
110%	-19.8	-20.0	16.9	7.21	16.4	7.09	15.5	6.83	15.1	6.70	13.6	6.27	12.6	5.95	10.1	5.05
	-14.7	-15.0	19.6	7.60	19.1	7.46	18.1	7.18	17.5	7.02	15.9	6.54	14.8	6.19	11.8	5.22
	-9.6	-10.0	22.9	8.16	22.3	8.00	21.1	7.68	20.5	7.50	18.6	6.96	17.3	6.56	13.9	5.48
	-4.4	-5.0	26.7	8.88	26.0	8.70	24.6	8.31	23.9	8.11	21.7	7.47	20.2	7.02	16.2	5.80
	-1.8	-2.5	28.6	9.27	28.0	9.10	26.5	8.67	25.7	8.45	23.4	7.76	21.7	7.28	17.4	6.00
	0.8	0.0	30.1	9.27	29.7	9.27	28.5	8.99	27.7	8.76	25.1	8.04	23.4	7.52	18.1	5.85
	2.8	2.0	31.5	9.27	31.1	9.27	29.8	8.98	28.7	8.64	25.5	7.65	23.4	7.01	18.1	5.47
	6.0	5.0	33.0	8.88	31.9	8.57	29.8	7.97	28.7	7.68	25.5	6.82	23.4	6.26	18.1	4.92
	7.0	6.0	33.0	8.51	31.9	8.22	29.8	7.65	28.7	7.37	25.5	6.55	23.4	6.02	18.1	4.75
	8.6	7.5	33.0	7.96	31.9	7.70	29.8	7.17	28.7	6.91	25.5	6.16	23.4	5.67	18.1	4.49
	11.2	10.0	33.0	7.10	31.9	6.87	29.8	6.41	28.7	6.19	25.5	5.54	23.4	5.11	18.1	4.08
	16.4	15.0	33.0	5.55	31.9	5.39	29.8	5.07	28.7	4.91	25.5	4.43	23.4	4.12	18.1	3.36
	24.0	18.0	33.0	4.84	31.9	4.71	29.8	4.45	28.7	4.32	25.5	3.93	23.4	3.67	18.1	3.02
100%	-19.8	-20.0	16.9	7.27	16.4	7.15	15.5	6.90	15.0	6.77	13.6	6.34	12.6	6.02	10.0	5.13
	-14.7	-15.0	19.6	7.66	19.1	7.53	18.1	7.24	17.5	7.09	15.9	6.61	14.7	6.27	11.8	5.30
	-9.6	-10.0	22.9	8.23	22.3	8.07	21.1	7.75	20.5	7.57	18.6	7.03	17.3	6.64	13.8	5.57
	-4.4	-5.0	26.6	8.95	26.0	8.77	24.6	8.38	23.9	8.18	21.7	7.54	20.1	7.10	16.1	5.88
	-1.8	-2.5	28.5	9.27	28.0	9.17	26.5	8.75	25.7	8.53	23.3	7.84	21.7	7.36	17.4	6.08
	0.8	0.0	30.0	9.27	29.7	9.27	28.5	9.04	27.6	8.81	24.9	7.99	22.8	7.33	17.6	5.76
	2.8	2.0	31.4	9.27	31.0	9.27	29.0	8.67	28.0	8.36	24.9	7.44	22.8	6.84	17.6	5.40
	6.0	5.0	32.1	8.54	31.1	8.26	29.0	7.71	28.0	7.44	24.9	6.64	22.8	6.11	17.6	4.86
	7.0	6.0	32.1	8.18	31.1	7.92	29.0	7.40	28.0	7.13	24.9	6.37	22.8	5.88	17.6	4.69
	8.6	7.5	32.1	7.65	31.1	7.41	29.0	6.93	28.0	6.69	24.9	6.00	22.8	5.55	17.6	4.45
	11.2	10.0	32.1	6.83	31.1	6.62	29.0	6.21	28.0	6.01	24.9	5.41	22.8	5.02	17.6	4.07
	16.4	15.0	32.1	5.38	31.1	5.23	29.0	4.94	28.0	4.79	24.9	4.35	22.8	4.05	17.6	3.32
	24.0	18.0	32.1	4.86	31.1	4.73	29.0	4.48	28.0	4.35	24.9	3.97	22.8	3.72	17.6	3.09

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.

1. Capacity of Outdoor Unit

U-10LE1E8 (Heating)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	kW	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-19.8	-20.0	16.8	6.97	16.4	6.86	15.4	6.61	15.0	6.48	13.5	6.06	12.5	5.76	9.9	4.90
	-14.7	-15.0	19.6	7.38	19.1	7.25	18.0	6.97	17.5	6.82	15.8	6.35	14.7	6.01	11.7	5.07
	-9.6	-10.0	22.9	7.96	22.3	7.81	21.1	7.48	20.5	7.31	18.5	6.77	17.2	6.39	13.7	5.34
	-4.4	-5.0	26.7	8.71	26.0	8.52	24.6	8.13	23.9	7.92	21.6	7.27	20.1	6.81	15.9	5.59
	-1.8	-2.5	28.8	9.03	28.0	8.84	26.1	8.28	25.2	8.00	22.4	7.18	20.5	6.63	15.9	5.29
	0.8	0.0	28.9	8.32	28.0	8.07	26.1	7.57	25.2	7.32	22.4	6.58	20.5	6.09	15.9	4.88
	2.8	2.0	28.9	7.69	28.0	7.46	26.1	7.01	25.2	6.79	22.4	6.12	20.5	5.67	15.9	4.59
	6.0	5.0	28.9	6.84	28.0	6.66	26.1	6.29	25.2	6.11	22.4	5.54	20.5	5.15	15.9	4.16
	7.0	6.0	28.9	6.66	28.0	6.47	26.1	6.09	25.2	5.89	22.4	5.33	20.5	4.95	15.9	4.01
	8.6	7.5	28.9	6.22	28.0	6.04	26.1	5.70	25.2	5.52	22.4	5.00	20.5	4.66	15.9	3.80
	11.2	10.0	28.9	5.53	28.0	5.38	26.1	5.09	25.2	4.94	22.4	4.50	20.5	4.21	15.9	3.47
	16.4	15.0	28.9	4.35	28.0	4.24	26.1	4.01	25.2	3.89	22.4	3.57	20.5	3.36	15.9	2.80
	24.0	18.0	28.9	4.35	28.0	4.24	26.1	4.01	25.2	3.89	22.4	3.55	20.5	3.32	15.9	2.75

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	kW	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80%	-19.8	-20.0	17.0	6.90	16.5	6.78	15.5	6.54	15.0	6.41	13.6	5.99	12.5	5.69	9.9	4.84
	-14.7	-15.0	19.8	7.32	19.3	7.19	18.2	6.91	17.6	6.76	15.9	6.29	14.7	5.95	11.7	5.02
	-9.6	-10.0	23.2	7.92	22.6	7.77	21.3	7.44	20.7	7.27	18.7	6.73	17.3	6.34	13.8	5.29
	-4.4	-5.0	25.7	8.03	24.9	7.81	23.2	7.37	22.4	7.15	19.9	6.48	18.3	6.03	14.1	4.89
	-1.8	-2.5	25.7	7.34	24.9	7.14	23.2	6.76	22.4	6.56	19.9	5.97	18.3	5.57	14.1	4.55
	0.8	0.0	25.7	6.68	24.9	6.52	23.2	6.19	22.4	6.03	19.9	5.51	18.3	5.16	14.1	4.24
	2.8	2.0	25.7	6.24	24.9	6.10	23.2	5.80	22.4	5.65	19.9	5.17	18.3	4.85	14.1	4.00
	6.0	5.0	25.7	5.62	24.9	5.50	23.2	5.23	22.4	5.10	19.9	4.67	18.3	4.38	14.1	3.61
	7.0	6.0	25.7	5.44	24.9	5.30	23.2	5.04	22.4	4.90	19.9	4.49	18.3	4.21	14.1	3.50
	8.6	7.5	25.7	5.07	24.9	4.95	23.2	4.71	22.4	4.59	19.9	4.22	18.3	3.97	14.1	3.31
	11.2	10.0	25.7	4.49	24.9	4.40	23.2	4.20	22.4	4.10	19.9	3.80	18.3	3.58	14.1	3.03
	16.4	15.0	25.7	3.96	24.9	3.86	23.2	3.65	22.4	3.55	19.9	3.25	18.3	3.05	14.1	2.54
	24.0	18.0	25.7	3.96	24.9	3.86	23.2	3.65	22.4	3.55	19.9	3.25	18.3	3.05	14.1	2.54

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI
70%	-19.8	-20.0	17.4	6.98	16.9	6.86	15.9	6.61	15.4	6.48	13.9	6.06	12.8	5.75	10.1	4.88
	-14.7	-15.0	20.4	7.43	19.8	7.30	18.7	7.01	18.1	6.85	16.3	6.37	15.1	6.03	12.0	5.07
	-9.6	-10.0	22.5	7.50	21.8	7.30	20.3	6.89	19.6	6.67	17.4	6.11	16.0	5.71	12.3	4.67
	-4.4	-5.0	22.5	6.44	21.8	6.30	20.3	6.02	19.6	5.87	17.4	5.40	16.0	5.08	12.3	4.22
	-1.8	-2.5	22.5	5.95	21.8	5.83	20.3	5.57	19.6	5.44	17.4	5.02	16.0	4.72	12.3	3.94
	0.8	0.0	22.5	5.47	21.8	5.36	20.3	5.13	19.6	5.01	17.4	4.64	16.0	4.38	12.3	3.67
	2.8	2.0	22.5	5.10	21.8	5.00	20.3	4.80	19.6	4.69	17.4	4.35	16.0	4.11	12.3	3.46
	6.0	5.0	22.5	4.57	21.8	4.48	20.3	4.30	19.6	4.20	17.4	3.90	16.0	3.69	12.3	3.11
	7.0	6.0	22.5	4.37	21.8	4.29	20.3	4.11	19.6	4.03	17.4	3.75	16.0	3.55	12.3	3.02
	8.6	7.5	22.5	4.07	21.8	4.00	20.3	3.85	19.6	3.77	17.4	3.52	16.0	3.34	12.3	2.87
	11.2	10.0	22.5	3.60	21.8	3.54	20.3	3.43	19.6	3.36	17.4	3.17	16.0	3.02	12.3	2.62
	16.4	15.0	22.5	3.57	21.8	3.48	20.3	3.30	19.6	3.21	17.4	2.94	16.0	2.77	12.3	2.32
24.0	18.0	22.5	3.57	21.8	3.48	20.3	3.30	19.6	3.21	17.4	2.94	16.0	2.77	12.3	2.32	

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
60%	-19.8	-20.0	18.4	7.30	17.8	7.17	16.8	6.91	16.2	6.76	14.6	6.31	13.5	5.99	10.6	5.05
	-14.7	-15.0	19.3	6.82	18.7	6.66	17.4	6.34	16.8	6.18	14.9	5.68	13.7	5.34	10.6	4.43
	-9.6	-10.0	19.3	6.08	18.7	5.96	17.4	5.72	16.8	5.59	14.9	5.17	13.7	4.86	10.6	4.02
	-4.4	-5.0	19.3	5.24	18.7	5.15	17.4	4.95	16.8	4.84	14.9	4.51	13.7	4.27	10.6	3.61
	-1.8	-2.5	19.3	4.83	18.7	4.74	17.4	4.57	16.8	4.48	14.9	4.18	13.7	3.97	10.6	3.38
	0.8	0.0	19.3	4.42	18.7	4.35	17.4	4.20	16.8	4.12	14.9	3.86	13.7	3.67	10.6	3.15
	2.8	2.0	19.3	4.12	18.7	4.05	17.4	3.92	16.8	3.85	14.9	3.62	13.7	3.44	10.6	2.96
	6.0	5.0	19.3	3.63	18.7	3.58	17.4	3.47	16.8	3.41	14.9	3.22	13.7	3.07	10.6	2.66
	7.0	6.0	19.3	3.46	18.7	3.41	17.4	3.32	16.8	3.26	14.9	3.09	13.7	2.96	10.6	2.59
	8.6	7.5	19.3	3.22	18.7	3.18	17.4	3.10	16.8	3.05	14.9	2.90	13.7	2.79	10.6	2.46
	11.2	10.0	19.3	3.17	18.7	3.10	17.4	2.94	16.8	2.87	14.9	2.64	13.7	2.53	10.6	2.26
	16.4	15.0	19.3	3.17	18.7	3.10	17.4	2.94	16.8	2.87	14.9	2.64	13.7	2.49	10.6	2.11
24.0	18.0	19.3	3.17	18.7	3.10	17.4	2.94	16.8	2.87	14.9	2.64	13.7	2.49	10.6	2.11	

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.

1. Capacity of Outdoor Unit

U-10LE1E8 (Heating)

Capacity Ratio 30-130%

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

Combination :Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			16.0		17.0		19.0		20.0		23.0		25.0		30.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	16.1	6.11	15.6	5.99	14.5	5.74	14.0	5.62	12.4	5.21	11.4	4.93	8.8	4.17
	-14.7	-15.0	16.1	5.56	15.6	5.44	14.5	5.19	14.0	5.07	12.4	4.70	11.4	4.43	8.8	3.74
	-9.6	-10.0	16.1	4.88	15.6	4.80	14.5	4.64	14.0	4.55	12.4	4.26	11.4	4.05	8.8	3.43
	-4.4	-5.0	16.1	4.19	15.6	4.13	14.5	4.00	14.0	3.93	12.4	3.70	11.4	3.53	8.8	3.05
	-1.8	-2.5	16.1	3.85	15.6	3.80	14.5	3.69	14.0	3.63	12.4	3.43	11.4	3.28	8.8	2.85
	0.8	0.0	16.1	3.52	15.6	3.48	14.5	3.39	14.0	3.34	12.4	3.17	11.4	3.03	8.8	2.65
	2.8	2.0	16.1	3.24	15.6	3.21	14.5	3.13	14.0	3.09	12.4	2.94	11.4	2.83	8.8	2.49
	6.0	5.0	16.1	2.83	15.6	2.80	14.5	2.75	14.0	2.72	12.4	2.62	11.4	2.53	8.8	2.26
	7.0	6.0	16.1	2.78	15.6	2.72	14.5	2.64	14.0	2.61	12.4	2.52	11.4	2.44	8.8	2.20
	8.6	7.5	16.1	2.78	15.6	2.72	14.5	2.59	14.0	2.53	12.4	2.37	11.4	2.31	8.8	2.09
	11.2	10.0	16.1	2.78	15.6	2.72	14.5	2.59	14.0	2.53	12.4	2.34	11.4	2.21	8.8	1.93
	16.4	15.0	16.1	2.78	15.6	2.72	14.5	2.59	14.0	2.53	12.4	2.34	11.4	2.21	8.8	1.89
	24.0	18.0	16.1	2.78	15.6	2.72	14.5	2.59	14.0	2.53	12.4	2.34	11.4	2.21	8.8	1.89
40%	-19.8	-20.0	12.9	4.84	12.4	4.75	11.6	4.57	11.2	4.48	10.0	4.19	9.1	3.98	7.1	3.41
	-14.7	-15.0	12.9	4.38	12.4	4.32	11.6	4.18	11.2	4.10	10.0	3.79	9.1	3.61	7.1	3.09
	-9.6	-10.0	12.9	3.82	12.4	3.77	11.6	3.67	11.2	3.61	10.0	3.42	9.1	3.27	7.1	2.85
	-4.4	-5.0	12.9	3.27	12.4	3.24	11.6	3.16	11.2	3.12	10.0	2.98	9.1	2.87	7.1	2.53
	-1.8	-2.5	12.9	2.99	12.4	2.96	11.6	2.90	11.2	2.87	10.0	2.75	9.1	2.65	7.1	2.36
	0.8	0.0	12.9	2.70	12.4	2.68	11.6	2.64	11.2	2.62	10.0	2.52	9.1	2.44	7.1	2.20
	2.8	2.0	12.9	2.48	12.4	2.47	11.6	2.44	11.2	2.42	10.0	2.35	9.1	2.28	7.1	2.07
	6.0	5.0	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.10	9.1	2.06	7.1	1.90
	7.0	6.0	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.03	9.1	1.99	7.1	1.84
	8.6	7.5	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.03	9.1	1.93	7.1	1.76
	11.2	10.0	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.03	9.1	1.93	7.1	1.68
	16.4	15.0	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.03	9.1	1.93	7.1	1.68
	24.0	18.0	12.9	2.39	12.4	2.34	11.6	2.23	11.2	2.18	10.0	2.03	9.1	1.93	7.1	1.68
30%	-19.8	-20.0	9.6	3.69	9.3	3.63	8.7	3.51	8.4	3.44	7.5	3.24	6.8	3.10	5.3	2.70
	-14.7	-15.0	9.6	3.29	9.3	3.26	8.7	3.18	8.4	3.14	7.5	2.98	6.8	2.85	5.3	2.47
	-9.6	-10.0	9.6	2.88	9.3	2.85	8.7	2.80	8.4	2.76	7.5	2.65	6.8	2.56	5.3	2.28
	-4.4	-5.0	9.6	2.44	9.3	2.42	8.7	2.39	8.4	2.37	7.5	2.30	6.8	2.23	5.3	2.03
	-1.8	-2.5	9.6	2.22	9.3	2.22	8.7	2.20	8.4	2.18	7.5	2.13	6.8	2.08	5.3	1.91
	0.8	0.0	9.6	2.02	9.3	2.02	8.7	2.01	8.4	2.00	7.5	1.97	6.8	1.93	5.3	1.79
	2.8	2.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.87	7.5	1.84	6.8	1.81	5.3	1.70
	6.0	5.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.57
	7.0	6.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.53
	8.6	7.5	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.47
	11.2	10.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.46
	16.4	15.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.46
	24.0	18.0	9.6	1.99	9.3	1.96	8.7	1.88	8.4	1.84	7.5	1.73	6.8	1.65	5.3	1.46

* Use the above table when choosing the model of outdoor unit.
See "1-7. Calculation of Actual Capacity of Indoor Unit" under the section 2.