

2. Product Specifications

2-1 Table of Specifications

MODEL	INDOOR UNIT		ICH1800E/CH18ZA	ICH2400E/CH24ZA	ICH3600G/CH36ZA	ICH4400G/CH44ZA	CH18CA	CH24CA	CH36CA	CH44CA	
	OUTDOOR UNIT		UBH1800E/CH18ZAX	UBH2400E/CH24ZAX	UCH3600G/CH36ZAX	UCH4400G/CH44ZAX	CH18CAX	CH24CAX	CH36CAX	CH44CAX	
Capacity	Cooling	Btu/h	17,400	23,000	34,500	43,000	17,400	22,100	32,400	38,500	
		W	5,100	6,700	10,100	12,600	5,100	6,500	9,500	11,300	
	Heating	Btu/h	18,400	24,500	38,600	46,000	19,400	25,500	42,000	47,500	
		W	5,400	7,200	11,300	13,500	5,700	7,500	12,300	14,000	
Power supply			220-240- 50Hz		380-415V 3- 50Hz		220-240- 50Hz		380-415V 3 - 50Hz		
Power input	Cooling	kW	1.75	2.30	3.40	4.30	1.85	2.45	3.4	4.45	
	Heating	kW	1.80	2.65	3.90	4.90	1.90	2.6	4.0	5.4	
Running current	Cooling	A	8.0	10.5	6.0	7.7	8.6	11.5	5.9	8.2	
	Heating	A	8.2	12.3	6.7	8.8	8.7	12.5	6.7	9.5	
EER	Cooling	W/W	2.8	2.7	2.8	2.7	2.7	2.5	2.6	2.5	
	Heating	W/W	2.9	2.8	2.9	2.8	3.0	2.8	3.0	2.6	
Indoor unit	Fan speed	H.H	r.p.m.	(410)	(480)	(710)	(740)	(410)	(480)	710	740
		Hi	r.p.m.	370	440	630	660	370	440	630	660
		Med	r.p.m.	330	400	550	580	340	400	550	580
		Low	r.p.m.	290	360	470	500	290	360	470	500
	Air circulation	H.H	m ³ /min	16	18	29	31	14	18	29	31
		Hi	m ³ /min	14	16	25	27	12	16	25	27
		Med	m ³ /min	12	14	21	23	10	14	21	23
		Low	m ³ /min	10	12	17	19	8	12	17	19
	Noise Level (Sound pressure)	Hi	dB(A)	39	41	50	52	41	43	50	52
		Med	dB(A)	37	39	47	49	39	41	48	50
		Low	dB(A)	35	37	45	47	37	39	46	48
	Heat exchanger	type		slit fin coil	slit fin coil	slit fin coil	slit fin coil	slit fin coil	slit fin coil	slit fin coil	slit fin coil
		row x stages x fin pitch		2x8x1.4(890/980)	2x8x1.4(890/980)	3x10x1.5(890/980)	3x10x1.5(890/980)	2x8x1.4(890/980)	2x8x1.4(890/980)	3x10x1.5(890/980)	3x10x1.5(890/980)
	Fan	type		Turbo	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo
		motor output	W	35	35	70	80	35	35	70	80
	Dimensions	H	mm	230	230	288	288	230	230	288	288
		W	mm	840	840	840	840	840	840	840	840
		D	mm	840	840	840	840	840	840	840	840
	Weight	kg	Net/Gross	29/34	29/34	34/40	34/40	29/34	29/34	34/40	34/40
	Panel	Dimensions	H	mm	42	42	42	42	42	42	42
W			mm	950	950	950	950	950	950	950	
D			mm	950	950	950	950	950	950	950	
Weight		kg	Net/Gross	5/10	5/10	5/10	5/10	5/10	5/10	5/10	
Outdoor unit	Fan speed	Hi	r.p.m.	950	750	750	900	930	750	900	
		Low	r.p.m.	500	400	400	450	480	400	450	

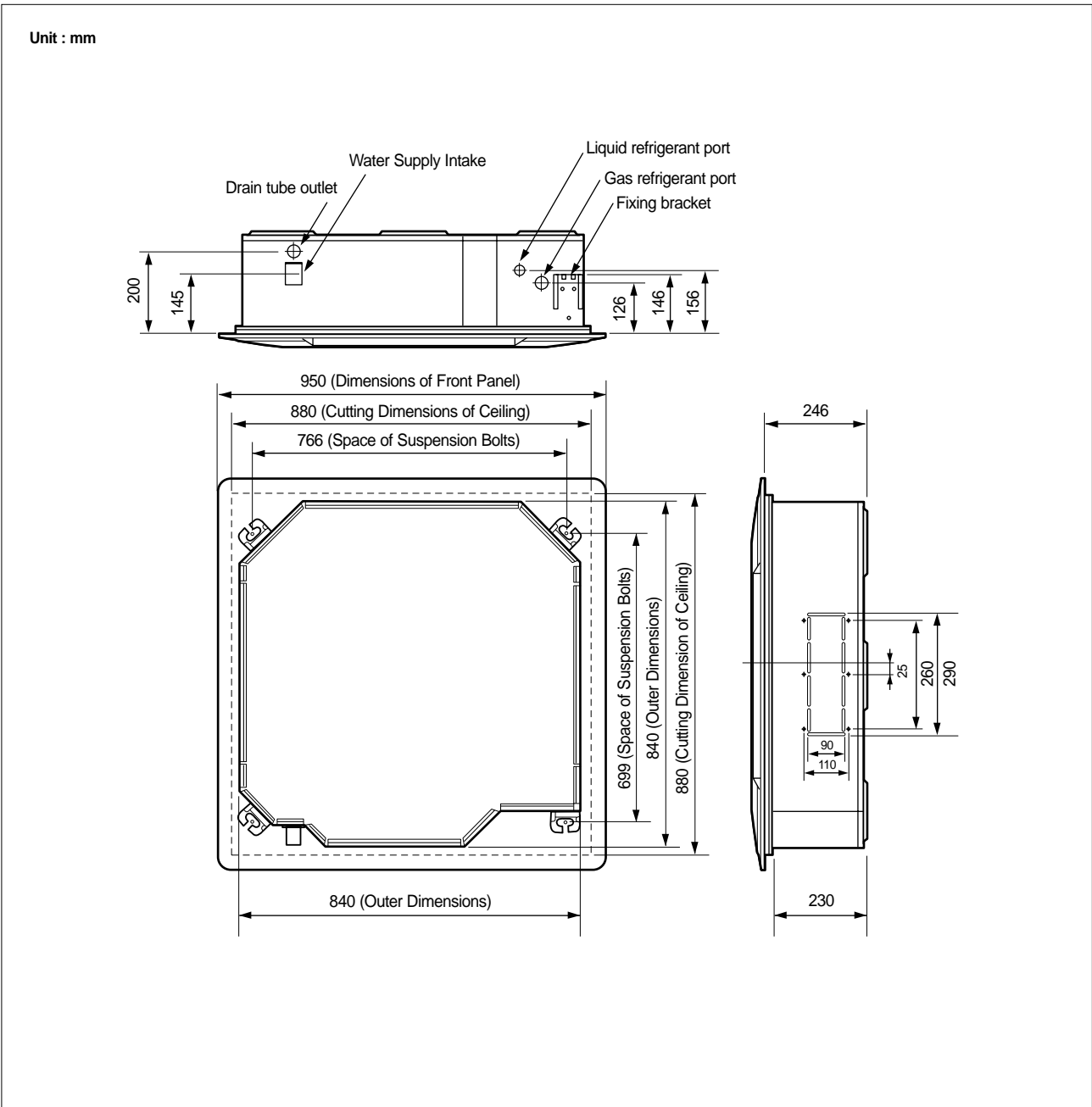
MODEL	INDOOR UNIT		ICH1800E/CH18ZA	ICH2400E/CH18ZA	ICH3600G/CH36ZA	ICH4400G/CH44ZA	CH18CA	CH24CA	CH36CA	CH44CA		
	OUTDOOR UNIT		UBH1800E/CH18ZAX	UBH2400E/CH24ZAX	UCH3600G/CH36ZAX	UCH4400G/CH44ZAX	CH18CAX	CH24CAX	CH36CAX	CH44CAX		
Outdoor unit	Air circulation (Hi)		m ³ /min	35	45	80	90	35	45	80	90	
	Sound pressure level		dB(A)	55	56	62	63	54	55	61	62	
	Fan	type		propeller	propeller	propeller	propeller	propeller	propeller	propeller	propeller	
		motor output	W	35	60	73	114	35	60	73	114	
	Compressor	type		scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	
		model		ZR22K3-PFJ	ZR28K3-PFJ	ZR47KC-TFD	ZR61KC-TFD	ZR22K3E-PFJ	ZR28K3E-PFJ	ZR47KCE-TFD	ZR61KCE-TFD	
		motor output		kW	1.37	1.74	2.92	3.79	1.37	1.74	2.92	3.79
		protection			Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
	Heat exchanger	type		wave fin coil	D fin coil	wave fin coil	wave fin coil	wave fin coil	D fin coil	wave fin coil	wave fin coil	
		row x stages x fin pitch		2x24x1.7(824)	2x24x1.7(896)	2x48x1.7(935/915)	2x48x1.7(935/915)	2x24x1.7(824)	2x24x1.7(896)	2x48x1.7(935/915)	2x48x1.7(935/915)	
		face area	m ²	0.494	0.538	1.122	1.122	0.494	0.538	1.122	1.122	
	Refrigerant	control		Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	
		(R22)charge		g	2,000	2,400	2,700	3,300	1,800(R407C)	2,000(R407C)	2,250(R407C)	2,800(R407C)
	Dimensions	(HXWXD)	mm	620x787x320	638x880x310	1240x930x385	1240x930x385	620x787x320	638x880x310	1,240x930x305	1,240x930x385	
Weight	kg	Net/Gross	63/68	67/72	120/130	123/133	63/68	67/72	120/130	123/133		
Condition	Indoor unit	Cool(DB/WB)	°C	27/19	27/19	27/19	27/19	27/19	27/19	27/19	27/19	
		Heat(DB/WB)	°C	20/15	20/15	20/15	20/15	20/15	20/15	20/15	20/15	
	Outdoor unit	Cool(DB/WB)	°C	35/24	35/24	35/24	35/24	35/24	35/24	35/24	35/24	
		Heat(DB/WB)	°C	7/6	7/6	7/6	7/6	7/6	7/6	7/6	7/6	
Piping	Pipe O.D.	Liquid	mm(inch)	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	
		Gas	mm(inch)	15.88(5/8")	15.88(5/8")	19.05(3/4")	19.05(3/4")	15.88(5/8")	15.88(5/8")	19.05(3/4")	19.05(3/4")	
	Connection method			Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
	Between	Height	m	Max. 15	Max. 15	Max. 25	Max. 25	Max. 15	Max. 15	Max. 25	Max. 25	
		Pipe length	m	Max. 30	Max. 30	Max. 50	Max. 50	Max. 30	Max. 30	Max. 50	Max. 50	

* Wind flow : It is data of heating standard operation.

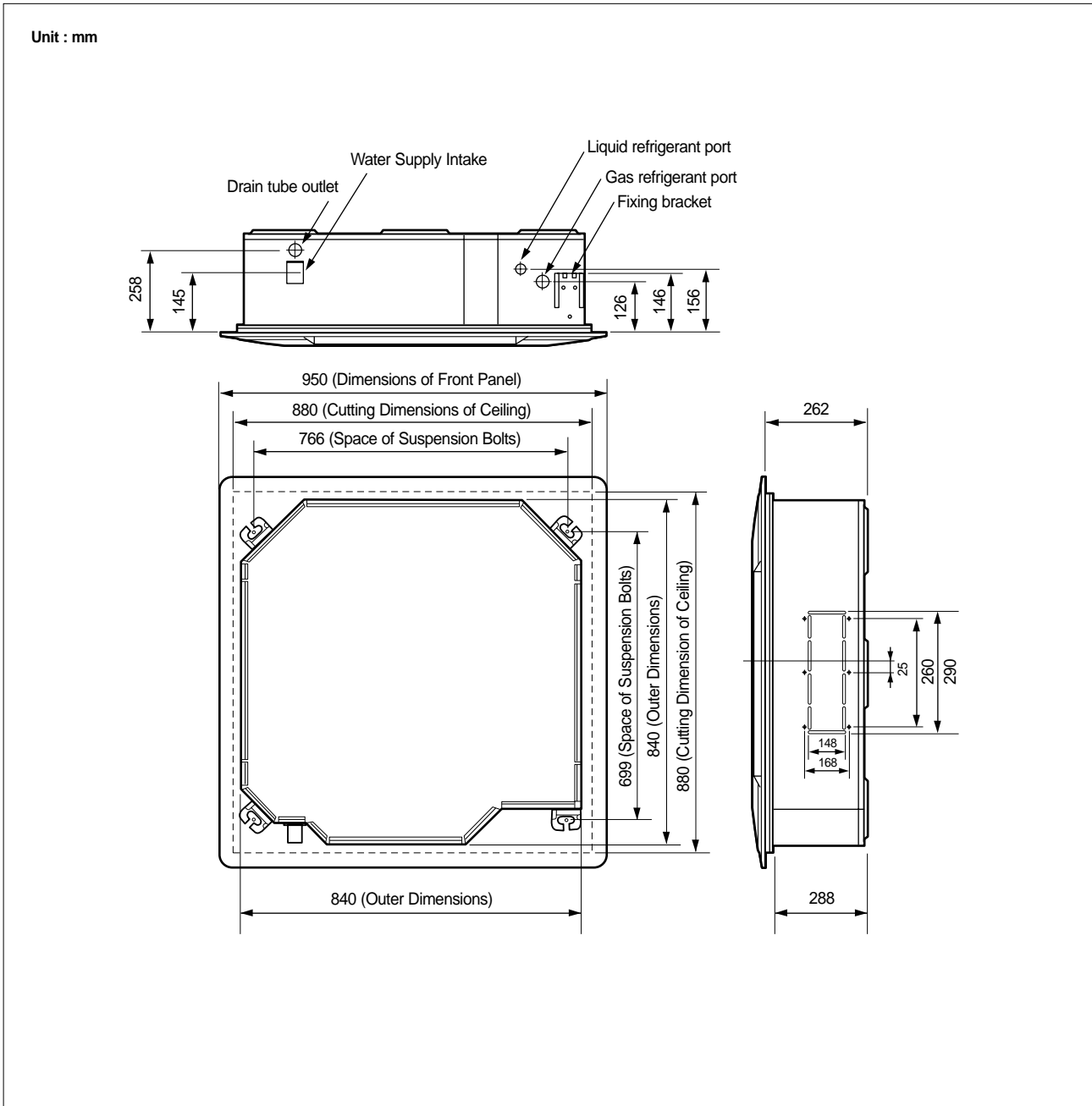
2-2 Dimensions

2-2-1 Indoor unit

• Indoor Unit Dimensions (ICH1800E/ICH2400E/CH18ZA/CH24ZA/CH18CA/CH24CA)

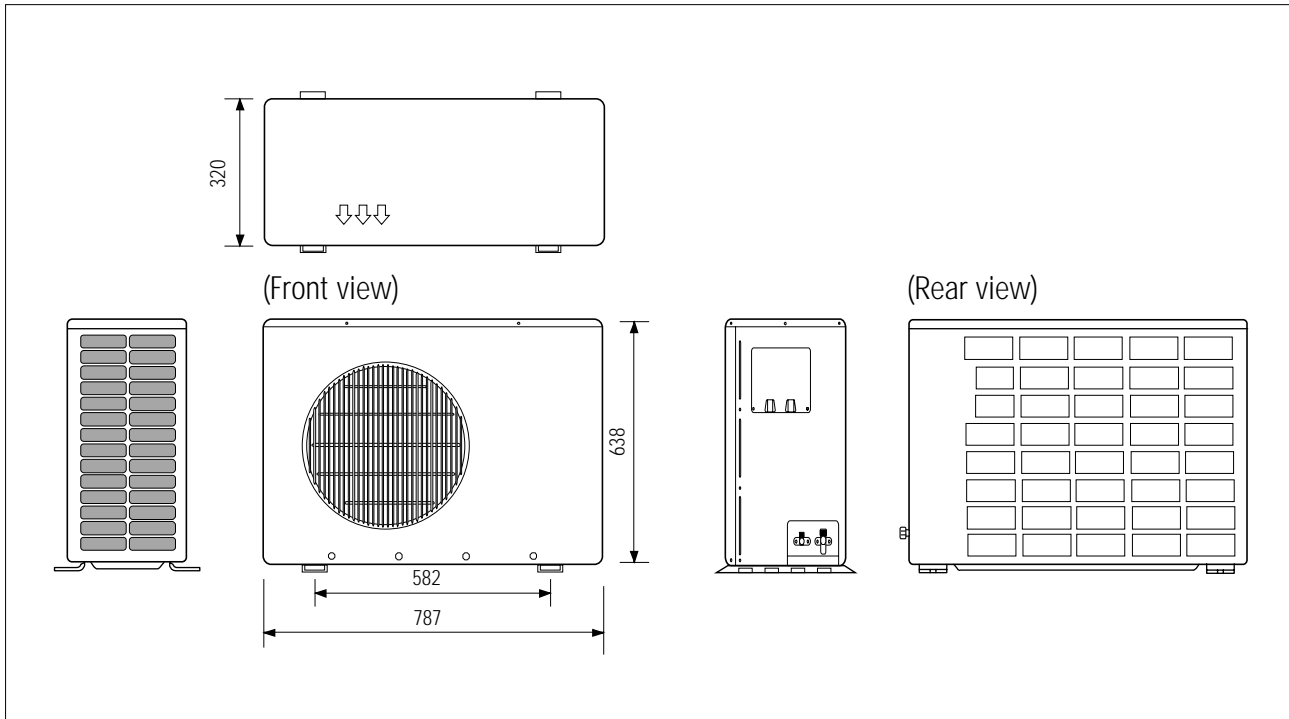


• Indoor Unit Dimensions (ICH3600G/ICH4400G/CH36ZA/CH44ZA/CH36CA/CH44CA)

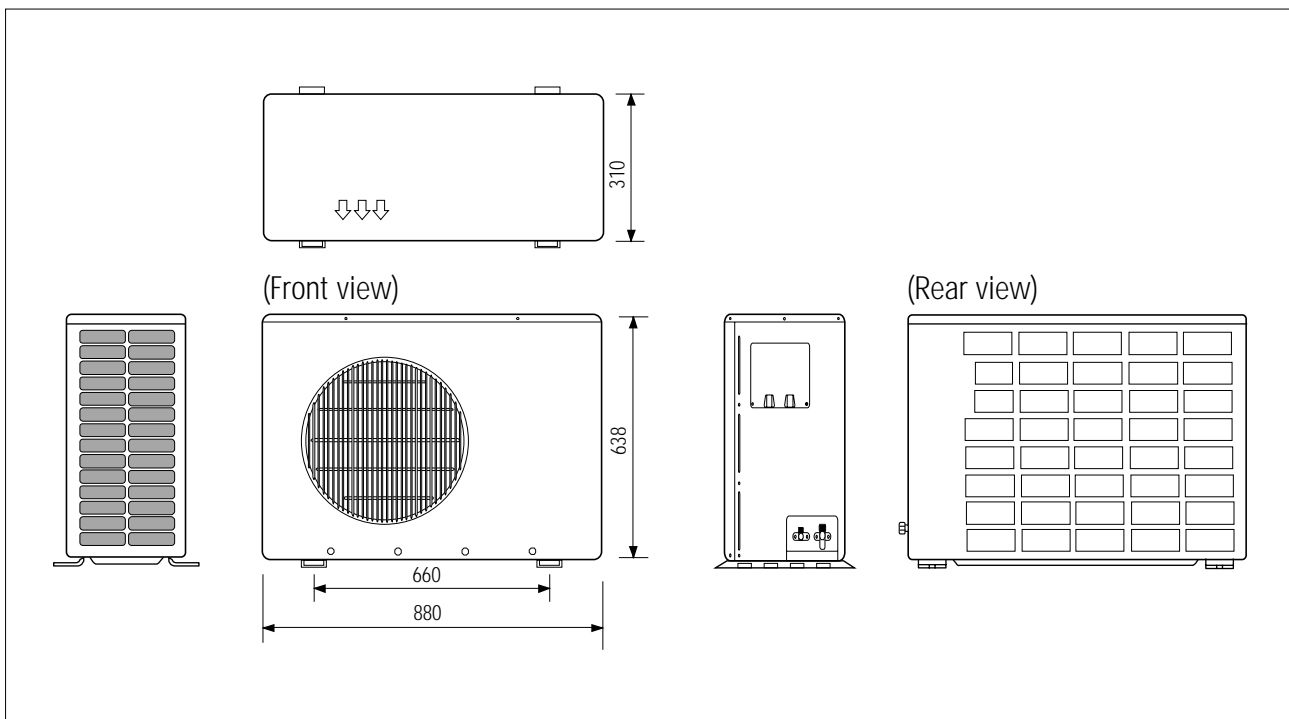


2-2-2 Outdoor Unit

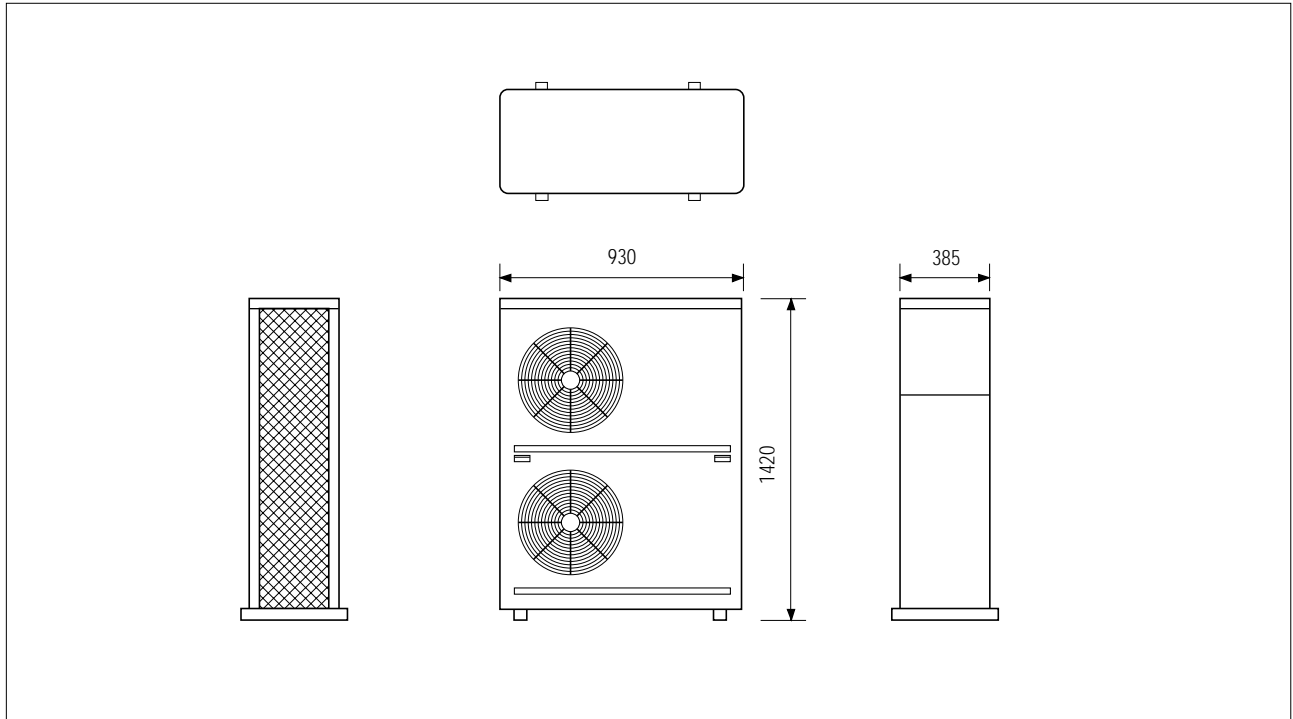
- Outdoor Unit Dimensions (UBH1800E/CH18ZAX/CH18CAX)



- Outdoor Unit Dimensions (UBH2400E/CH24ZAX/CH24CAX)



• Outdoor Unit Dimensions (UCH3600G/CH36ZAX/UCH4400G/CH44ZAX/CH36CAX/CH44CAX)



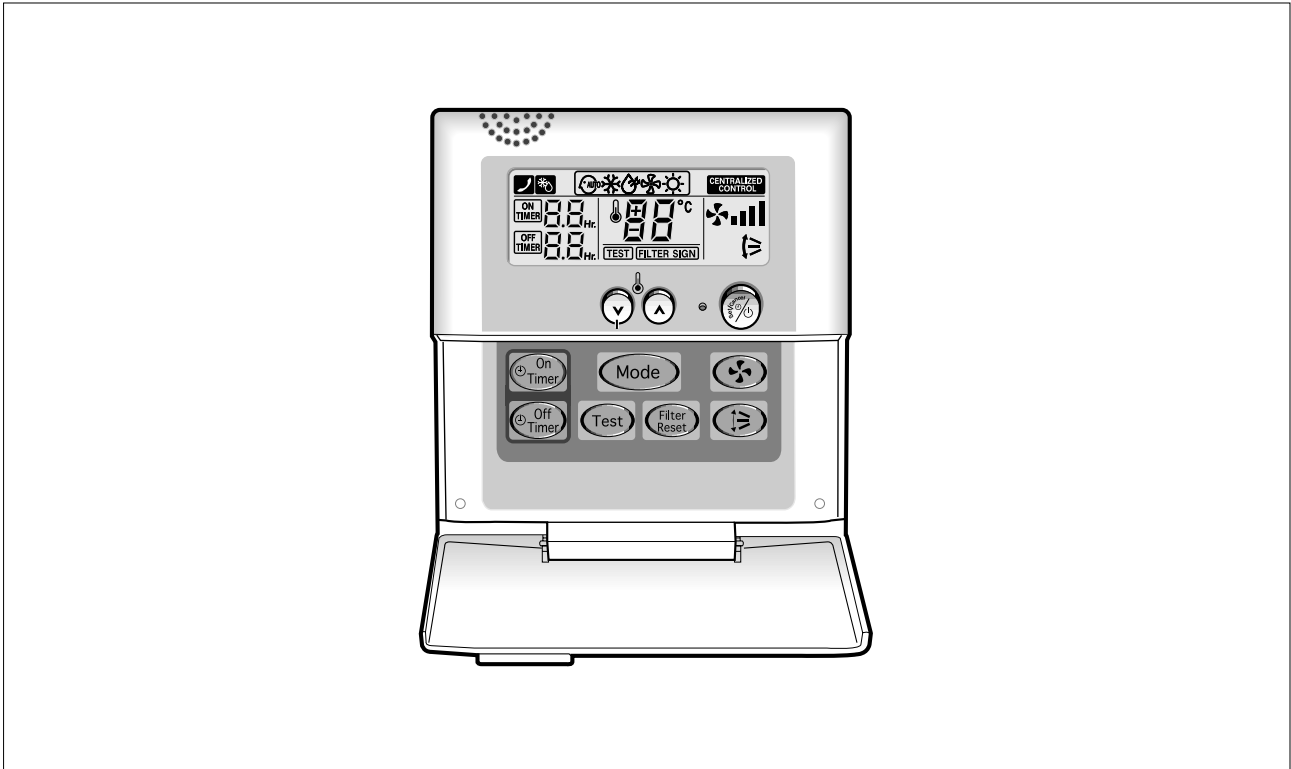
Input bolt fixing dimension

A	B
840mm	415mm

Diagram of the outdoor unit showing input bolt fixing dimensions. Dimension A is the distance between the two mounting bolts on the top edge. Dimension B is the height of the unit from the bottom edge to the top edge.

2-2-3 Remote control

- **Wired Remote Controller-Buttons and Display**



- **Wireless Remote Controller-Buttons and Display**



• **Centralized Controller**

