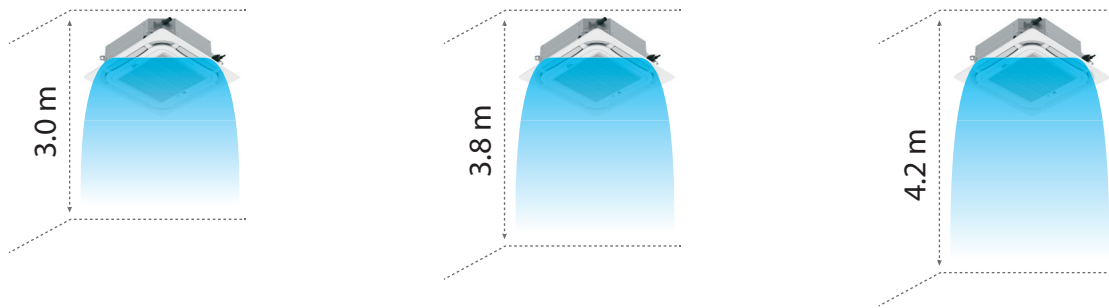


# Cassette indoor unit with circular air distribution

The cassette unit with circular air distribution is suitable for various places such as hotels, office buildings, and shopping malls. The unit provides an uniform air temperature distribution. That increases the air quality and thermal comfort.

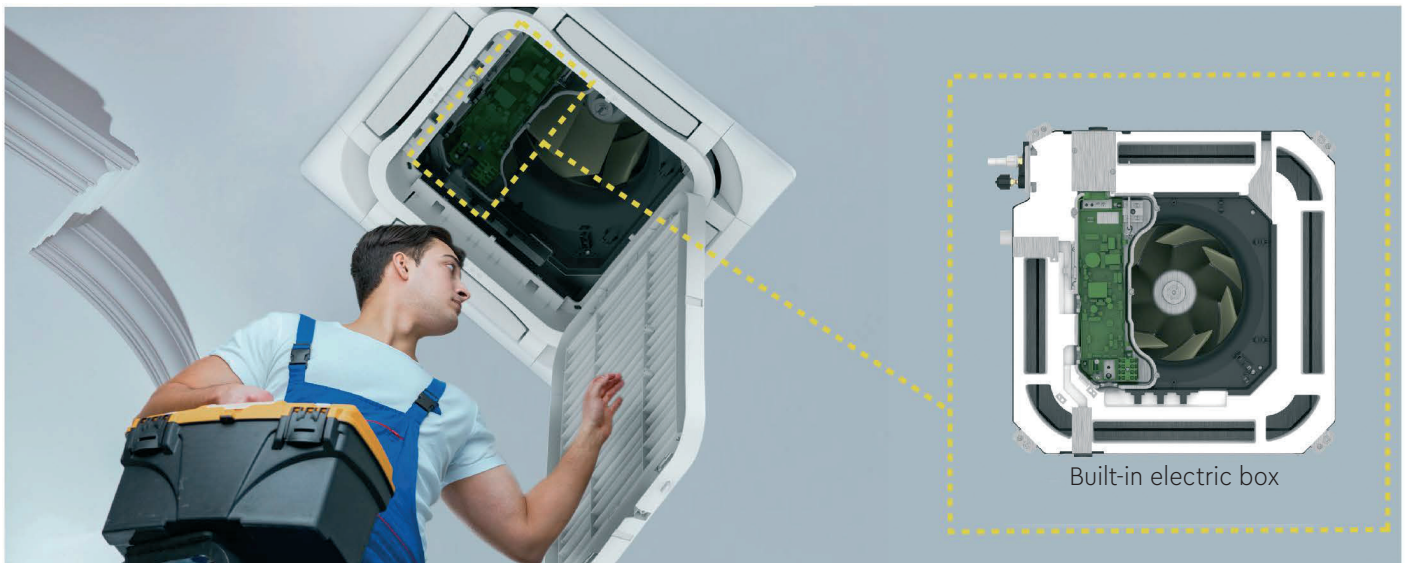
## ■ CONVENIENT FOR HIGH CEILINGS

Cassette units offer 11 different fan speeds to choose from. During installation, you can select the appropriate fan speed according to the ceiling height to ensure a comfortable air supply distance.



## ■ ELECTRIC BOX DESIGNED FOR EASY DISASSEMBLY AND SERVICING

Built-in electric box is standard for the entire product range. To carry out maintenance, just open the grill – there is no need to remove the ceiling, saving time and labor.



## ■ INDEPENDENT CONTROL OF OSCILLATIONS OF LOUVERS

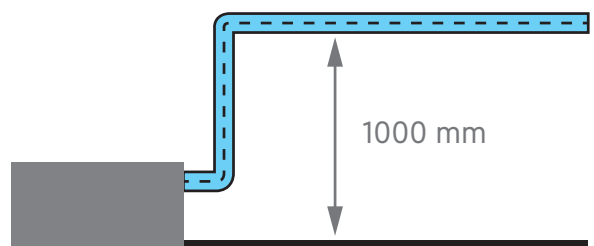
The four air louvers can be controlled independently of each other, and by setting the direction of the air on all sides, there will be no direct entry of air into the working area.

(requires XE 7C-24/HC remote control)

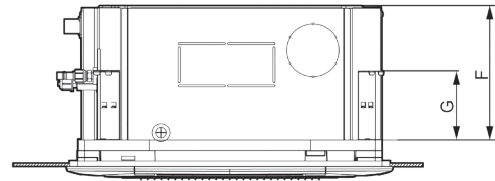
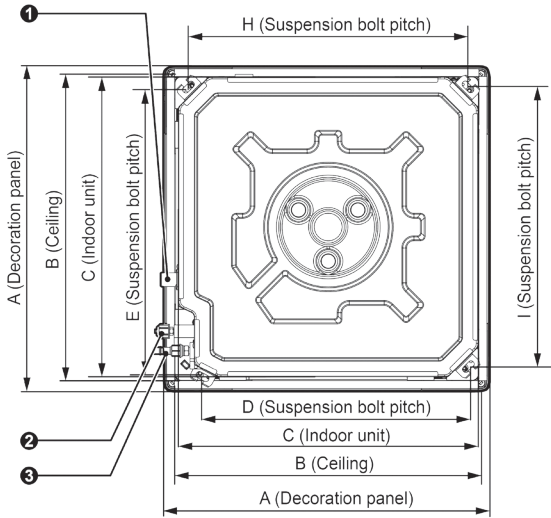


## ■ STANDARD EQUIPMENT DRAINAGE PUMP

The pressure of the pump for condensate removal can be up to 1000 mm, and the height of the vertical installation of the unit can be flexibly adjusted depending on the installation requirements.



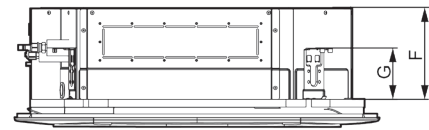
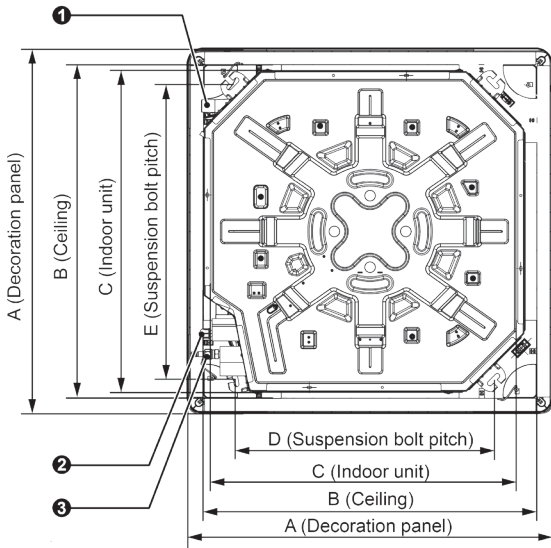
# OVERALL DIMENSIONS OF THE INDOOR UNIT



- 1 Drain pipe
- 2 Liquid pipe
- 3 Gas pipe

Units: mm

Dimensions/Model	A	B	C	D	E	F	G	H	I
CH-IC035RK2	620	580	570	505	550	260	140	530	530
CH-IC050RK2									

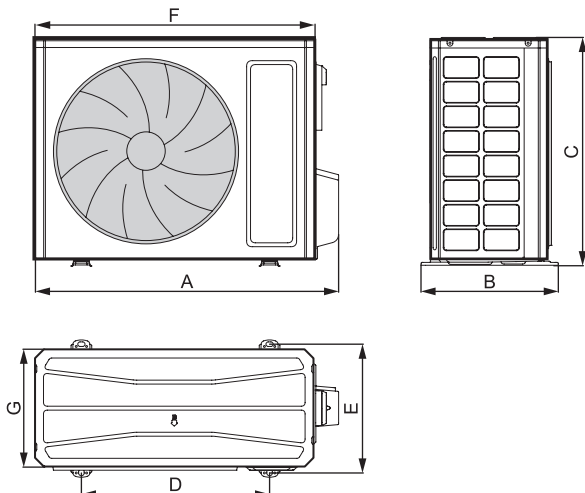


- 1 Drain pipe
- 2 Liquid pipe
- 3 Gas pipe

Units: mm

Dimensions/Model	A	B	C	D	E	F	G
CH-IC071RK2	950	890	840	680	780	200	135
CH-IC085RK2							
CH-IC100RK2	950	890	840	680	780	240	135
CH-IC125RK2							
CH-IC140RK2	950	890	840	680	780	290	135
CH-IC160RK2							

# OVERALL DIMENSIONS OF THE OUTDOOR UNIT



Units: mm

Dimensions/Model	A	B	C	D	E	F	G
CH-IU035RK2	732	330	553	455	310	675	285
CH-IU050RK2	802	350	555	512	331	745	300
CH-IU071RK2	958	402	660	570	371	889	340
CH-IU085RK2	958	402	660	570	371	889	340
CH-IU100RM2	1020	427	820	635	396	940	370
CH-IU125RM2	1020	427	820	635	396	940	370
CH-IU140RM2	1020	427	820	635	396	940	370
CH-IU160RM2	1070	427	960	755	396	990	370

Performance and consumption data are determined at the following air parameters  
 Cooling: indoor temperature DB/WB: 27/19°C, outdoor temperature DB/WB: 35/24°C  
 Heating: indoor temperature DB/WB: 20/15°C, outdoor temperature DB/WB: 7/6°C

# TECHNICAL SPECIFICATIONS

Model	Model IDU		CH-IC035RK2	CH-IC050RK2	CH-IC071RK2	CH-IC085RK2	CH-IC100RK2
	Model ODU		CH-IU035RK2	CH-IU050RK2	CH-IU071RK2	CH-IU085RK2	CH-IU100RK2
Capacity	Cooling	kW	3.5	5.0	7.1	8.5	10.5
		Btu/h	11900	17000	24200	29000	35800
	Heating	kW	4.0	5.6	7.8	8.8	11.5
		Btu/h	13600	19100	26600	30000	39200
EER/COP			3.80/4.00	3.40/3.50	3.50/3.90	3.40/3.90	3.40/3.90
SEER/SCOP			7.10/4.20	6.60/4.00	6.70/4.30	6.90/4.30	6.60/4.40
Energy efficiency grade			A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power supply		V/Hz/Ph	~220-240V/50Hz/1Ph				
Power input	Cooling	kW	0.92	1.47	2.03	2.50	3.10
	Heating	kW	1.00	1.60	2.00	2.25	2.95
Current input	Cooling	A	4.40	7.00	9.70	11.40	14.80
	Heating	A	4.80	7.65	9.60	10.30	14.10
Refrigerant charge volume		kg	0.57	0.85	1.50	1.50	2.10

Indoor unit							
Air flow volume (SH/H/M/L)	CFM		353/324/294/235	424/383/353/294	647/588/529/470	824/765/647/588	883/824/710/589
	m <sup>3</sup> /h		600/550/500/400	720/650/600/500	1100/1000/900/800	1400/1300/1100/1000	1500/1400/1200/1000
Sound pressure	dB(A)		36/35/33/29	43/41/39/35	39/38/36/34	47/46/42/38	43/41/39/38
Dimension (WxDxH)	Outline	mm	570x570x260	570x570x260	840x840x200	840x840x200	840x840x240
	Package	mm	698x653x295	698x653x295	943x923x245	943x923x245	933x903x272
Net weight/Gross weight		kg	16.5/21.0	16.5/21.0	21.0/27.0	21.0/27.0	23.0/29.0
Panel	Model		TF05			TF06	
	Outline dimension	mm	620x620x47.5	620x620x47.5	950x950x52	950x950x52	950x950x52
	Package dimension	mm	693x693x115	693x693x115	1033x1020x110	1033x1020x110	1033x1020x110
	Net/Gross weight	kg	3.0/4.5	3.0/4.5	6.0/9.5	6.0/9.5	6.0/9.5

Outdoor unit							
Sound pressure	dB(A)		48	52	55	57	57
Dimension (WxDxH)	Outline	mm	675x285x553	745x300x555	889x340x660	889x340x660	940x370x820
	Package	mm	794x376x605	872x398x609	1032x456x730	1032x456x730	1093x497x885
Net weight/Gross weight		kg	24.5/27.0	30.5/33.0	41.5/45.0	46.0/50.0	65.0/72.0
Connecting pipe	Liquid pipe	inch	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	mm	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
	Max. distance (Height/Length)	m	15/30	20/30	20/30	25/30	30/75

Model	Indoor unit		CH-IC125RK2	CH-IC140RK2	CH-IC100RK2	CH-IC125RK2	CH-IC140RK2	CH-IC160RK2
	Outdoor unit		CH-IU125RK2	CH-IU140RK2	CH-IU100RM2	CH-IU125RM2	CH-IU140RM2	CH-IU160RM2
Capacity	Cooling	kW	12.1	13.4	10.5	12.1	13.4	14.5
		Btu/h	41200	45700	35800	41200	45700	49400
	Heating	kW	13.5	15.5	11.5	13.5	15.5	17.0
		Btu/h	46000	52900	39200	46000	52900	58000
EER/COP			3.10/3.40	2.91/3.30	3.40/3.90	3.10/3.40	2.91/3.30	2.74/2.98
SEER/SCOP			6.10/4.10	6.30/4.00	6.60/4.40	6.10/4.10	6.30/4.00	6.10/4.00
Energy efficiency grade			A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power supply		V/Hz/Ph	~220-240V/50Hz/1Ph			~380-415V/50Hz/3Ph		
Power input	Cooling	kW	3.90	4.60	3.10	3.90	4.60	5.30
	Heating	kW	3.97	4.70	2.95	3.97	4.70	5.70
Current input	Cooling	A	18.60	21.00	4.90	6.20	7.00	9.00
	Heating	A	19.00	21.50	4.70	6.30	7.10	8.20
Refrigerant charge volume		kg	2.25	2.80	2.10	2.25	2.80	3.50

Indoor unit								
Air flow volume (SH/H/M/L)	CFM		1000/883/765/647	1177/1059/942/824	883/824/710/589	1000/883/765/647	1177/1059/942/824	1354/1235/1118/941
	m <sup>3</sup> /h		1700/1500/1300/1100	2000/1800/1600/1400	1500/1400/1200/1000	1700/1500/1300/1100	2000/1800/1600/1400	2300/2100/1900/1600
Sound pressure	dB(A)		48/46/43/39	50/48/45/41	43/41/39/38	48/46/43/39	50/48/45/41	52/50/48/44
Dimension (WxDxH)	Outline	mm	840x840x240	840x840x290	840x840x240	840x840x240	840x840x290	840x840x290
	Package	mm	933x903x272	933x903x335	933x903x272	933x903x272	933x903x335	933x903x335
Net weight/Gross weight		kg	23.0/29.0	25.0/32.0	23.0/29.0	23.0/29.0	25.0/32.0	26.0/33.0
Panel	Model		TF06					
	Outline dimension	mm	950x950x52	950x950x52	950x950x52	950x950x52	950x950x52	950x950x52
	Package dimension	mm	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110
	Net/Gross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5

Outdoor unit								
Sound pressure	dB(A)		58	59	57	58	59	60
Dimension (WxDxH)	Outline	mm	940x370x820	940x370x820	940x370x820	940x370x820	940x370x820	990x370x960
	Package	mm	1093x497x885	1093x497x885	1093x497x885	1093x497x885	1093x497x885	1153x478x1110
Net weight/Gross weight		kg	66.0/73.0	73.0/80.0	75.0/82.0	76.0/83.0	81.0/88.0	94.0/103.0
Connecting pipe	Liquid pipe	inch	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	mm	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
	Max. distance (Height/Length)	m	30/75	30/75	30/75	30/75	30/75	30/75