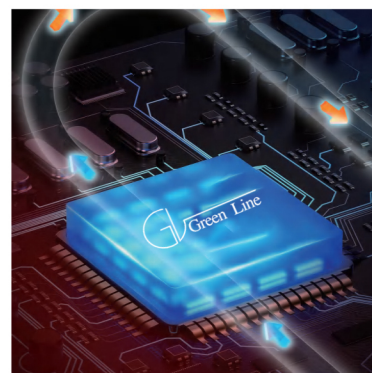




# Outdoor Units

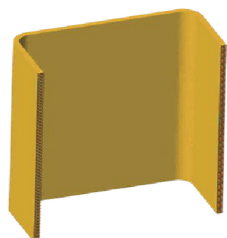
## Cooled&Insulated PCB Box

Make PCB working temperature below at 30°C, prevent PCB overheating, ensure more stable equipment operation, prolong PCB service life



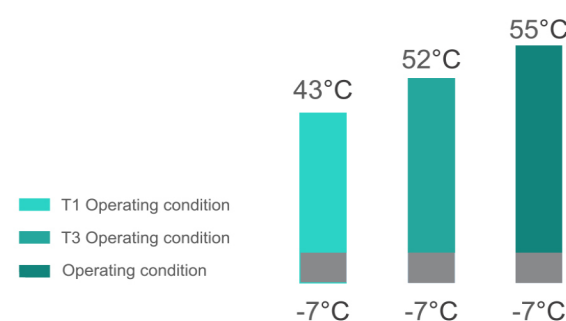
## Golden Fin (optional)

Better anticorrosion compared with blue one, which is especially suitable for the coastal areas



## Up To 55°C Running

Enjoy excellent performance even under ambient temperature up to 55°C, suitable for T3 operating condition



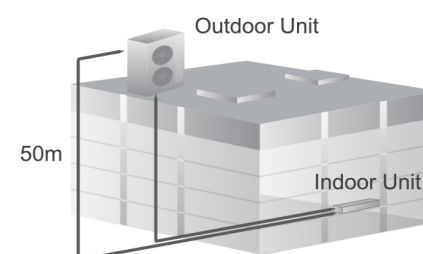
## Multi-Protection

The host has multiple system and PCB protection function, timely stops operation to protect the equipment when failure occurs



## Long Piping

Extended Pipe length makes the maximum pipe length reaching 50m and can be installed flexibly and easily



## DC inverter Technology

The compressor adopts the inverter technology, which greatly improves the working performance and saves nearly 30% energy compared with the ON-OFF one

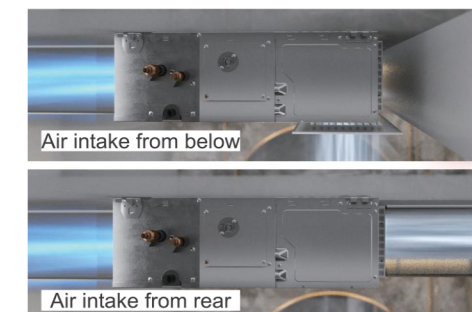


## Duct



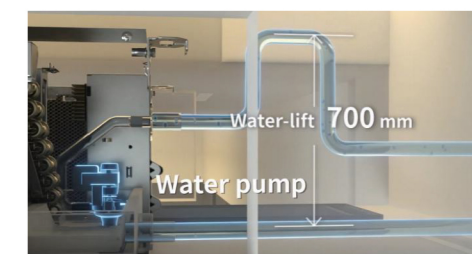
## Flexible Air Intake Options

Two types of air intake, from rear and bottom (optional), which can meet different decoration requirements



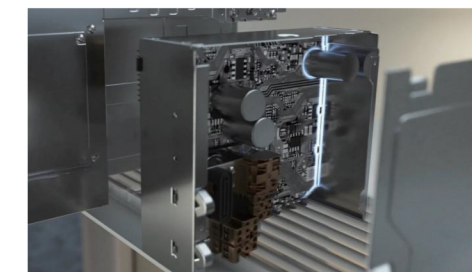
## Optional Drainage Pump

Lifting the water of IDU up to 700mm to drain it away, and can be adapted to various installation situations



## Removable Control Box

Independent structure design, so it's convenient for us to maintain by screwing off two screws to remove it



## Two Way Drainage Directions

Two ways of drainage direction, from left and right, which can meet different installation situations



Easy Removable  
& Washable Filter



Fresh Air Intake



Larger Static  
Pressure Range



Constant Air Volume

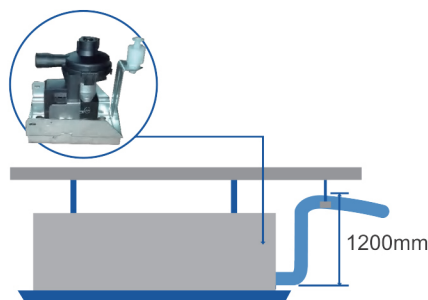


# Cassette



## Built-in Drainage Pump

Lifting the water of IDU up to 1200mm to drain it away, and can be adapted to various installation situations



## Fresh Air Intake

IDU is equipped with an inlet to let the fresh air in, thereby improve indoor air quality and make you feel healthier



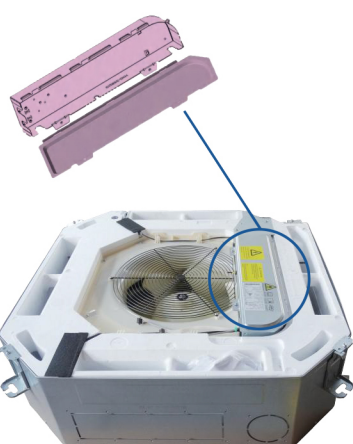
## Round Way Air Flow






The design of the eight-side air outlet panel makes the cold air distributed to every part of the room, to improve room's comfort level



## Fireproof Electrical Box

Integrated electric control E type-box with excellent sealing performance, it is much safer covered by metal plate, for better fire-resistance



								
	Outdoor		GR1-DU18HO	GR1-DU24HO	GR1-DU36HO	GR1-DU42HO	GR1-DU48HO	GR1-DU60HO
Electric Data	Power Supply	V~Hz,Ph	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1
Performance	Noise Level	dB(A)	56	58	59	60	60	61
Dimension (W×D×H)	Net	mm	900 × 350 × 700	900 × 350 × 700	970 × 395 × 805	940 × 370 × 1320	940 × 370 × 1320	940 × 401 × 1366
	Packing	mm	1020 × 430 × 770	1020 × 430 × 770	1105 × 495 × 895	1080 × 430 × 1440	1080 × 430 × 1440	1080 × 460 × 1490
Weight	Net/Gross	kg	40/44	42/46	61/66	94/104	94/104	101/114
Piping size	Liquid Side	mm	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Side	mm	Φ12.7	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05
	Max. Length	m	30	30	50	50	50	50
	Max. Height	m	15	15	30	30	30	30
Stuffing Quantity	20/40/40H	unit	87/183/183	87/183/183	44/96/96	27/55/55	27/55/55	27/55/55

				Indoor		GR1CA18HI	GR1CA24HI	GR1CA36HI	GR1CA42HI
				Outdoor		GR1CA18HO	GR1CA24HO	GR1CA36HO	GR1CA42HO
Capacity	Cooling(T1/T3)	Btu/h				17100/15400	23000/20200	32000/28000	37000/28600
		kW				5.01/4.50	6.75/5.91	9.40/8.20	10.85/8.40
Electric Data	Power Supply	V~Hz,Ph				220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1
	Cooling Power Input(T1/T3)	kW				1.40/1.79	1.89/2.38	2.63/3.26	3.05/3.33
Performance	EER(T1/T3)	(Btu/h)/W				12.20/8.60	12.20/8.50	12.15/8.60	12.15/8.60
	COP	W				3.7	3.6	3.7	3.5
	Air Flow Volume	m3/h				1100/1000/850	1500/1350/1200	2000/1700/1600	2000/1700/1600
	Noise Level	dB(A)				42/39/37	49/47/44	53/50/48	54/52/48
Dimension (W×D×H)	Net(Body)	mm				840×840×246	840×840×246	840×840×288	840×840×288
	Packing(Body)	mm				910×910×310	910×910×310	910×910×350	910×910×350
	Net(Panel)	mm				950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm				1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross (Body)	kg				25/29	25/29	30/35	30/35
	Net/Gross (Panel)	kg				5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Piping size	Liquid/Gas	mm				6.35/12.7	9.52/15.88	9.52/15.88	9.52/19.05
Stuffing Quantity	20/40/40H	set				84/182/208	84/182/208	72/156/182	72/156/182

				Indoor		GR1-DU18HI	GR1-DU24HI	GR1-DU36HI	GR1-DU48HI	GR1-DU60HI
				Outdoor		GR1-DU18HO	GR1-DU24HO	GR1-DU36HO	GR1-DU48HO	GR1-DU60HO
Capacity	Cooling(T1/T3)	Btu/h				17400/16000	23100/21100	32000/30000	45000/42000	52000/47000
		kW				5.10/4.68	6.78/6.18	9.40/8.80	13.20/12.30	15.25/13.75
Electric Data	Power Supply	V~Hz,Ph				220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1
	Cooling Power Input(T1/T3)	kW				1.43/1.86	1.89/2.48	2.63/3.49	3.70/4.83	4.28/5.47
Performance	EER(T1/T3)	(Btu/h)/W				12.20/8.60	12.20/8.50	12.15/8.60	12.15/8.70	12.15/8.60
	COP	W				3.85	3.85	3.8	3.8	3.8
	Air Flow Volume	m3/h				1130/910/780	1500/1350/1200	2100/1900/1600	2800/2500/2100	3100/2800/2500
	Noise Level	dB(A)				42/39/38	45/43/41	45/42/40	52/50/47	52/50/47
Weight	ESP	Pa				0-80	0-80	0-160	0-160	0-160
	Net	mm				1000X700X245	1000X700X245	1250×735×320	1400×820×380	1400×820×380
Dimension (W×D×H)	Packing	mm				1230X830X300	1230X830X300	1430×800×390	1580×880×450	1580×880×450
Weight	Net/Gross	kg				30/36	30/36	48/54	56/63	56/63
Piping size	Liquid/Gas	mm				6.35/12.7	9.52/15.88	9.52/15.88	9.52/19.05	9.52/19.05
Stuffing Quantity	20/40/40H	set				77/161/184	77/161/184	66/138/138	35/75/75	35/75/75



# R410A LIGHT COMMERCIAL Tropical Inverter Series



Y Cassette



M DUCT



E DUCT



Fresh Air Intake



Fast Cooling / Heating



Fire-proof Electric Box



Sleep Mode



Hydrophilic aluminum fin



Central Control



WIFI Control



Auto Restart Function