

R32 DC Inverter Series

Duct / Floor Standing | Cassette | Ceiling & Floor

IQ[®] Air Conditioners
on cue for you



Feature

▶ R32 Environmental refrigerant

The GWP (greenhouse gas global warming potential) of R32 is less than that of R410A. Under the same cooling capacity, the charging amount of R32 is less than that of R410A.



▶ Stable operation

The compressor with built-in driver for heating (12-36K), oil heating belt (48/60K). And we can choose the chassis heating belt to ensure stable operation of the ODU in low temperature environments.



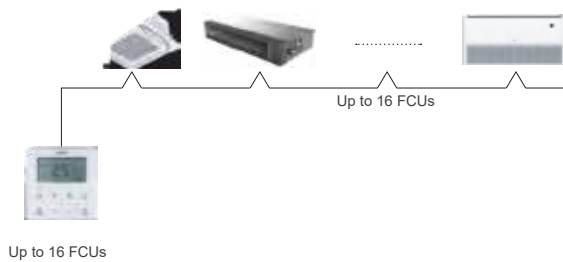
Oil heating belt(48/60K)



chassis heating belt(48/60K optional)

▶ One wired controller controls multiple IDUs

A wired controller can control up to 16 IDUs at the same time.

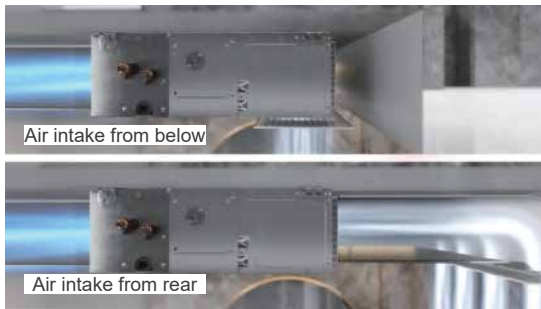


Mid ESP Duct

Feature

Flexible Air Intake Options

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



▶ Two Way Drainage Directions

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



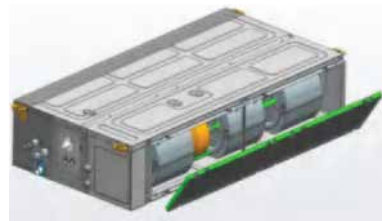
Removable Control Box

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



▶ W Type High efficiency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High efficiency (W type)



Cassette

Feature

▶ Round-way air supply

Round flow panel makes the air diffuse in a 360° direction, and the temperature distribution is more uniform



▶ large air volume

It adopts a large-diameter spiral wind wheel, which delivers a larger air volume while operating at a lower noise levels



▶ long distance air supply

Long air supply distance, meeting the air supply requirements for high spaces



▶ Screen display function

When the unit is running, the light panel icon can be enabled or disabled to meet different customer preferences.



▶ Anti-leakage water pan

Features a 1.5mm thick plastic drain pan with high waterproof performance, effectively preventing water seepage.



▶ Fire-proof covercover

The fireproof metal electrical control box ensures higher safety and reliable unit operation.



▶ Reliable control board

Component Stability: Electronic components are potted with hot melt adhesive to prevent movement and damage.



▶ Compact body size

With a body thickness of just 246mm, it occupies minimal ceiling space, making installation more convenient.



Ceiling & Floor



▶ Long Air Supply Distance

Powerful airflow reaches up to 10 meters, making it ideal for meeting the demands of large rooms.



* Data source: Air supply distance laboratory, 2019.11.18

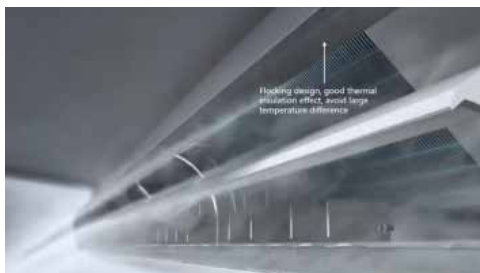
▶ Beautiful Design of Display Board

The display features a sleek, built-in design with excellent sealing. This makes it moisture-proof and ensures a long, reliable service life.



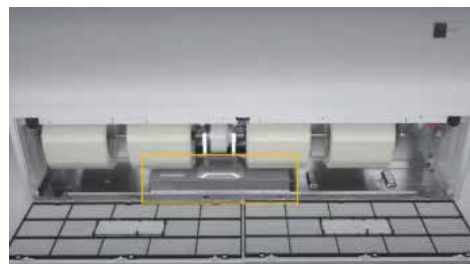
▶ Anti-condensation

This unit features an industry-leading anti-condensation insulation design on the air outlet.



▶ Optional filter

A variety of health filters are available to significantly improve indoor air quality.



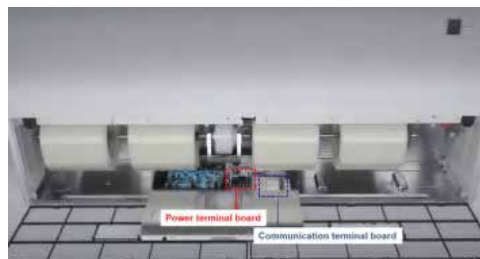
▶ Fresh air intake

The fresh air intake is designed to introduce outside air, ensuring high indoor air quality.



▶ Easy Maintenance

Easy to service: our design provides direct access for maintenance, saving time and effort by avoiding the removal of the entire electrical box.



Outdoor Unit



Specification

Model			IQ-H12/R32	IQ-H18/R32	IQ-H24/R32
Power Supply		V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
Air Flow Volume		CFM	1294	1294	1853
		m ³ /h	2200	2200	3150
Noise Level		dB(A)	52	52	55
Dimension(W×D×H)		Net	705×279×530	705×530×279	785×300×555
		Packing	825×345×595	825×345×595	900×380×615
Weight		Net	21.5	22	28
		Gross	23.5	24	30.5
Refrigerant Piping		Liquid Side	6.35(1/4)	6.35(1/4)	9.52(3/8)
		Gas Side	9.52(3/8)	12.7(1/2)	15.88(5/8)
		Drainage	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
		Max. Length	25	30	50
		Max. Height	15	20	25
Ambient Temperature Range(Cooling/Heating)		°C	-30~49/-15~24	-30~49/-15~24	-30~49/-15~24

Model			IQ-H36I/R32	IQ-H48I/R32	IQ-H60I/R32
Power Supply		V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
Air Flow Volume		CFM	2353	2941	4118
		m ³ /h	4000	5000	7000
Noise Level		dB(A)	56	58	58
Dimension(W×D×H)		Net	900×360×700	970×395×805	940×373×1320
		Packing	1020×430×760	1105×495×885	1080×430×1440
Weight		Net	42	62	77
		Gross	45.5	66.5	87
Refrigerant Piping		Liquid Side	9.52(3/8)	9.52(3/8)	9.52(3/8)
		Gas Side	15.88(5/8)	15.88(5/8)	15.88(5/8)
		Drainage	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
		Max. Length	65	65	65
		Max. Height	30	30	30
Ambient Temperature Range(Cooling/Heating)		°C	-30~49/-15~24	-30~49/-15~24	-30~49/-15~24

Mid ESP Duct



Specification

7.50 (2.25~8.40)

Sale Model	Indoor		IQ-H12IHD/R32		IQ-H18IHD/R32		IQ-H24IHD/R32	
	Outdoor		IQ-H12I/R32	IQ-H18I/R32	IQ-H18I/R32	IQ-H24I/R32	IQ-H24I/R32	
IDU Power Supply		V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Capacity	Cooling	Btu/h	12000(3500~12750)	18000 (5200 ~ 19100)	24000 (7400 ~ 25590)			
		KW	3.52(0.60~3.90)	5.30 (1.53 ~ 19100)	7.03 (2.16 ~ 7.50)			
	Heating	Btu/h	13650(2400~14330)	19100 (4800~ 20300)	25590 (6755 ~ 25930)			
		KW	4.00(0.60~4.20)	5.60 (1.40 ~ 5.94)	7.60 (1.98 ~ 7.90)			
Electric Data	Rated Cooling Power Input	KW	1.07(0.30~1.50)	1.60 (0.47 ~ 1.90)	2.15 (0.67 ~ 2.40)			
		KW	1.08(0.25~1.45)	1.40 (0.46 ~ 1.90)	1.90 (0.65 ~ 2.65)			
	Rated Cooling Current	A	6.20(1.30~7.50)	1.40 (0.46 ~ 1.90)	10.30 (3.21 ~ 11.00)			
		A	6.20(1.10~7.00)	6.50 (2.20 ~ 8.40)	9.00 (3.11 ~ 10.00)			
Performance	EER	W/W	3.30	3.31	3.27			
	COP	W/W	3.70	4.00	4.00			
Indoor Unit	Indoor Air Flow	m3/h	600/500/420/300	900/800/670/550	1300/1150/1050/950			
	Noise Level	dB(A)	31/29/26/24	40/38/35/33	40/38/35/33			
	External Static Pressure(Range)	Pa	0~80	0~160	0~160			
	Static Pressure	Pa	13	25	25			
	Net Dimension (W*H*D)	mm	700*450*198	700*700*245	1000*700*245			
	Packing Dimension (W*H*D)	mm	865*535*255	930*830*300	1230*830*300			
	Net Weight	Kg	12.5	21.5	26			
	Gross Weight	Kg	15.0	25.5	31			
Refrigerant Pipe	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)			
	Gas Side	mm	9.52(3/8)	12.7(1/2)	15.88(5/8)			
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)			
Operation Temperature Range	°C	16~32	16~32	16~32				
Wired Controller			XK05-DY	XK05-DY	XK05-DY			

Sale Model	Indoor		IQ-H36IHD/R32		IQ-H48IHD/R32		IQ-H60IHD/R32	
	Outdoor		IQ-H36I/R32	IQ-H48I/R32	IQ-H48I/R32	IQ-H60I/R32	IQ-H60I/R32	
IDU Power Supply		V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Capacity	Cooling	Btu/h	36000(12280~37530)	48000 (14330~49540)	55000 (16400 ~ 57320)			
		KW	10.55(3.60~11.00)	14.07(4.20~14.52)	16.12 (4.80~16.80)			
	Heating	Btu/h	39880(9210~40940)	52000 (15700~58000)	60050 (16700 ~ 62780)			
		KW	11.7(2.70~12.00)	15.24(4.60~17.00)	17.60 (4.90~ 18.40)			
Electric Data	Rated Cooling Power Input	KW	3.40 (0.42~3.80)	4.67 (1.21~6.30)	5.36 (1.38 ~ 6.80)			
		KW	3.08 (0.80~3.35)	4.22(0.92~5.80)	5.16 (0.98 ~ 6.00)			
	Rated Cooling Current	A	15.20(1.82~17.80)	10.00(2.50~11.00)	10.50 (2.85 ~ 11.50)			
		A	13.40(3.40~14.60)	8.00(1.90~8.50)	9.50 (2.02 ~ 10.00)			
Performance	EER	W/W	3.10	3.01	3.01			
	COP	W/W	3.80	3.61	3.41			
Indoor Unit	Indoor Air Flow	m3/h	1700/1500/1300/1100	2300/2000/1700/1500	2300/2000/1700/1500			
	Noise Level	dB(A)	44/42/39/37	48/46/44/41	48/46/44/41			
	External Static Pressure(Range)	Pa	0~160	0~160	0~160			
	Static Pressure	Pa	37	50	50			
	Net Dimension (W*H*D)	mm	1000*700*245	1400*700*245	1400*700*245			
	Packing Dimension (W*H*D)	mm	1230*830*300	1630*830*300	1630*830*300			
	Net Weight	Kg	28	36	36			
	Gross Weight	Kg	33	42	42			
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)	9.52(3/8)	9.52(3/8)			
	Gas Side	mm	15.88(5/8)	15.88(5/8)	15.88(5/8)			
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)			
Operation Temperature Range	°C	16~32	16~32	16~32				
Wired Controller			XK05-DY	XK05-DY	XK05-DY			

Cassette



Specification

Model	Indoor		IQ-H12ICA/R32		IQ-H18ICA/R32		IQ-H24ICA/R32	
	Outdoor		IQ-H12I/R32		IQ-H18I/R32		IQ-H24I/R32	
IDU Power Supply		V~,Hz,Ph	220~240,50,1		220~240,50,1		220~240,50,1	
Capacity	Cooling	Btu/h	12000(3500~12750)		18000 (5200~19100)		24000 (7400~25590)	
		KW	3.52(0.60~3.90)		5.30 (1.53~5.61)		7.03 (2.16~7.50)	
	Heating	Btu/h	13650(2400~14330)		19100 (4800~20300)		25590 (6755~25930)	
		KW	4.00(0.60~4.20)		5.60 (1.40~5.94)		7.60 (1.98~7.90)	
Electric Data	Rated Cooling Power Input	KW	1.07(0.30~1.50)		1.60 (0.47~1.90)		2.15 (0.67~2.40)	
	Rated Heating Power Input	KW	1.08(0.25~1.45)		1.40 (0.46~1.90)		1.90 (0.65~2.65)	
	Rated Cooling Current	A	6.20(1.30~7.50)		7.50 (2.25~8.40)		10.30 (3.21~11.00)	
	Rated Heating Current	A	6.20(1.10~7.00)		6.50 (2.20~8.40)		9.00 (3.11~10.00)	
Performance	EER	W/W	3.30		3.31		3.27	
	COP	W/W	3.70		4.00		4.00	
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	850/700/650		900/750/650		1400/1250/850	
	Noise Level(Hi/Mi/Lo)	dB(A)	44/41/38		45/42/39		46/43/39	
	Net Dimension (W*H*D)	mm	570*570*260		570*570*260		840*840*246	
	Packing Dimension (W*H*D)	mm	720*650*290		720*650*290		910*910*310	
	Net Weight	Kg	14.5		15		25	
Panel	Gross Weight	Kg	17.5		18		29	
	Net Dimension (W*H*D)	mm	650*650*55		650*650*55		950*950*55	
	Packing Dimension (W*H*D)	mm	710*710*80		710*710*80		1000*1000*100	
	Net weight	Kg	2.2		2.2		5.7	
	Gross weight	Kg	3.7		3.7		7.8	
Refrigerant Pipe	Liquid Side	mm	6.35(1/4)		6.35(1/4)		9.52(3/8)	
	Gas Side	mm	9.52(3/8)		12.7(1/2)		15.88(5/8)	
	Drainage	mm	R3/4in(DN20)		R3/4in(DN20)		R3/4in(DN20)	
Operation Temperature Range			16~32		16~32		16~32	
Wireless Remote Controller			YKR-H/009E		YKR-H/009E		YKR-H/009E	

Model	Indoor		IQ-H36ICA/R32		IQ-H48ICA/R32		IQ-H60ICA/R32	
	Outdoor		IQ-H36I/R32		IQ-H48I/R32		IQ-H60I/R32	
IDU Power Supply		V~,Hz,Ph	220~240,50,1		220~240,50,1		220~240,50,1	
Capacity	Cooling	Btu/h	36000(12280~37530)		48000 (14330~49540)		55000 (16400~57320)	
		KW	10.55(3.60~11.00)		14.07(4.20~14.52)		16.12 (4.80~16.80)	
	Heating	Btu/h	39880(9210~40940)		52000 (15700~58000)		60050 (16700~62780)	
		KW	11.7(2.70~12.00)		15.24(4.60~17.00)		17.60 (4.90~18.40)	
Electric Data	Rated Cooling Power Input	KW	3.40 (0.42~3.80)		4.67 (1.21~6.30)		5.36 (1.38~6.80)	
	Rated Heating Power Input	KW	3.08 (0.80~3.35)		4.22(0.92~5.80)		5.16 (0.98~6.00)	
	Rated Cooling Current	A	15.20(1.82~17.80)		10.00(2.50~11.00)		10.50 (2.85~11.50)	
	Rated Heating Current	A	13.40(3.40~14.60)		8.00(1.90~8.50)		9.50 (2.02~10.00)	
Performance	EER	W/W	3.10		3.01		3.01	
	COP	W/W	3.80		3.61		3.41	
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	1800/1450/1250		1900/1500/1300		1900/1500/1300	
	Noise Level(Hi/Mi/Lo)	dB(A)	51/46/42		51/46/42		51/46/42	
	Net Dimension (W*H*D)	mm	840*840*246		840*840*288		840*840*288	
	Packing Dimension (W*H*D)	mm	910*910*310		915*915*355		915*915*355	
	Net Weight	Kg	25		28		28	
Panel	Gross Weight	Kg	29		32		32	
	Net Dimension (W*H*D)	mm	950*950*55		950*950*55		950*950*55	
	Packing Dimension (W*H*D)	mm	1000*1000*100		1000*1000*100		1000*1000*100	
	Net weight	Kg	5.7		5.7		5.7	
	Gross weight	Kg	7.8		7.8		7.8	
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)		9.52(3/8)		9.52(3/8)	
	Gas Side	mm	15.88(5/8)		15.88(5/8)		15.88(5/8)	
	Drainage	mm	R3/4in(DN20)		R3/4in(DN20)		R3/4in(DN20)	
Operation Temperature Range			16~32		16~32		16~32	
Wireless Remote Controller			YKR-H/009E		YKR-H/009E		YKR-H/009E	

Ceiling & floor



Specification

Sale Model	Indoor		IQ-H18IUC/R32	IQ-H24IUC/R32	IQ-H36IUC/R32
	Outdoor		IQ-H18I/R32	IQ-H24I/R32	IQ-H36I/R32
IDU Power Supply		V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
Capacity	Cooling	Btu/h	18000 (5200~19100)	24000 (7400~25590)	36000(12280~37530)
		kW	5.30 (1.53~5.61)	7.03 (2.16~7.50)	10.55(3.60~11.00)
	Heating	Btu/h	19100 (4800~20300)	25590 (6755~25930)	39880(9210~40940)
		kW	5.60 (1.40~5.94)	7.60 (1.98~7.90)	11.7(2.70~12.00)
Electric Data	Rated Cooling Power Input	KW	1.60 (0.47~1.90)	2.15 (0.67~2.40)	3.40 (0.42~3.80)
	Rated Heating Power Input	KW	1.40 (0.46~1.90)	1.90 (0.65~2.65)	3.08 (0.80~3.35)
	Rated Cooling Current	A	7.50 (2.25~8.40)	10.30 (3.21~11.00)	15.20(1.82~17.80)
	Rated Heating Current	A	6.50 (2.20~8.40)	9.00 (3.11~10.00)	13.40(3.40~14.60)
Performance	EER	W/W	3.31	3.27	3.10
	COP	W/W	4.00	4.00	3.80
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	1100/800/660	1100/800/660	1600/1300/1000
	Noise Level(Hi/Mi/Lo)	dB(A)	43/37/32	44/37/32	48/44/39
	Net Dimension (W*D*H)	mm	1000×690×235	1000×690×235	1280×690×235
	Packing Dimension (W*D*H)	mm	1080×770×325	1080×770×325	1360×770×325
	Net Weight	Kg	27	28	35
	Gross Weight	Kg	31	33	40
Refrigerant Pipe	Liquid Side	mm	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Operation Temperature Range			16~32	16~32	16~32
Wired Controller			YKR-H/009E	YKR-H/009E	YKR-H/009E

Sale Model	Indoor		IQ-H48IUC/R32	IQ-H60IUC/R32
	Outdoor		IQ-H48I/R32	IQ-H60I/R32
IDU Power Supply		V~,Hz,Ph	220~240,50,1	220~240,50,1
Capacity	Cooling	Btu/h	48000 (14330~49540)	55000 (16400~57320)
		kW	14.07(4.20~14.52)	16.12 (4.80~16.80)
	Heating	Btu/h	52000 (15700~58000)	60050 (16700~62780)
		kW	15.24(4.60~17.00)	17.60 (4.90~18.40)
Electric Data	Rated Cooling Power Input	KW	4.67 (1.21~6.30)	5.36 (1.38~6.80)
	Rated Heating Power Input	KW	4.22(0.92~5.80)	5.16 (0.98~6.00)
	Rated Cooling Current	A	10.00(2.50~11.00)	10.50 (2.85~11.50)
	Rated Heating Current	A	8.00(1.90~8.50)	9.50 (2.02~10.00)
Performance	EER	W/W	3.01	3.01
	COP	W/W	3.61	3.41
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	2200/1900/1350	2200/1900/1350
	Noise Level(Hi/Mi/Lo)	dB(A)	51/46/42	51/46/42
	Net Dimension (W*D*H)	mm	1600×690×235	1600×690×235
	Packing Dimension (W*D*H)	mm	1680×770×325	1680×770×325
	Net Weight	Kg	41	41
	Gross Weight	Kg	47	47
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)	9.52(3/8)
	Gas Side	mm	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)
Operation Temperature Range			16~32	16~32
Wired Controller			YKR-H/009E	YKR-H/009E

IQ Air Conditioners

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