

IQ

ESP Duct



FEATURES

■ optional ■ standard



Wired Control



3D Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Intelligent Defrosting



Fast Cooling/Heating



Low Ambient Cooling



Remote Control



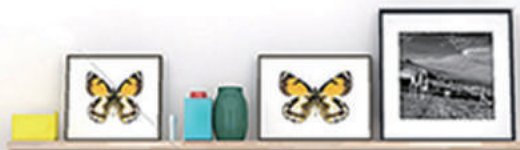
Central Control



Golden Fin



WiFi Control



INVERTER





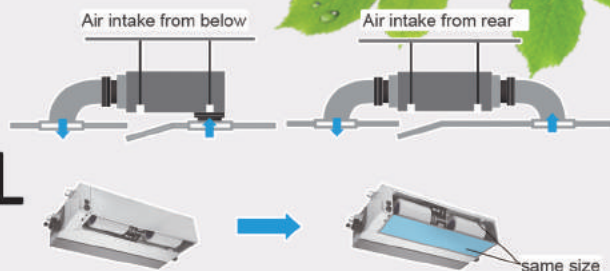
IQ

LIGHT

COMMERCIAL

Flexible Installation

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



Model	Indoor		IQ-H18IH-1	IQ-H24IH-1	IQ-H30IH-1	IQ-H36IH-1	IQ-H42IH-1	IQ-H48IH-3	IQ-H60IH-3
	Outdoor		IQ-H18IH-1	IQ-H24IH-1	IQ-H30IH-1	IQ-H36IH-1	IQ-H42IH-1	IQ-H48IH-3	IQ-H60IH-3
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	380-415/50/3	380-415/50/3
Capacity	Cooling	Btu/h	18000(5220-19100)	24000(7400-28000)	30000(8500-31400)	36000(9900-40900)	41285(10900-45000)	48000(14000-54600)	55000(16400-59000)
		KW	5.00(1.53-5.60)	7.00(2.16-8.20)	8.30(2.49-9.20)	10.5(2.9-12.0)	12.1(3.2-13.2)	14.00(4.10-16.00)	16.00(4.80-17.30)
	Heating	Btu/h	19100(4800-21200)	27300(6800-31800)	30800(9800-32800)	42650(8900-45000)	46062(10200-50150)	55000(15700-59700)	60000(16700-63100)
		KW	5.60(1.40-6.20)	8.00(1.98-9.30)	9.00(2.66-9.60)	12.5(2.6-13.2)	13.5(3.0-14.7)	16.00(4.60-17.50)	17.00(4.90-18.50)
Electric Data	Rated Cooling Power Input	W	1.54(0.47-2.30)	2.05(0.67-3.56)	2.69(0.77-3.70)	3.23(0.71-4.71)	4.17(0.8-5.39)	4.67(1.21-6.46)	5.81(1.38-6.85)
	Rated Heating Power Input	W	1.55(0.46-2.25)	2.20(0.65-3.62)	2.62(0.78-3.70)	3.50(0.47-4.13)	3.89(0.58-4.90)	4.57(0.92-5.66)	4.96(0.98-6.00)
	Rated Cooling Current	A	6.76(2.25-10.10)	9.02(3.21-15.63)	11.76(3.88-16.25)	14.33(3.84-20.67)	18.51(4.35-23.66)	7.32(2.50-10.39)	8.81(2.85-10.99)
	Rated Heating Current	A	6.81(2.20-9.88)	9.65(3.11-15.90)	11.52(3.77-16.25)	15.53(2.57-18.3)	17.26(3.14-21.74)	7.17(1.90-9.08)	7.78(2.02-9.62)
Performance	EER/COP	WW	3.25/3.61	3.41/3.64	3.10/3.43	3.25/3.57	2.90/3.47	3.00/3.50	2.85/3.43
	SEER/SCOP	WW	6.14.0	6.14.0	6.14.0	6.14.0	5.64.0	5.64.0	5.64.0
Indoor Fan Motor	Model		FP150A-ZL	FP150A-ZL	FP150A-ZL	FP250A-ZL	FP250A-ZL	FP250A-ZL	FP250A-ZL
	Brand		Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
	Output Power x Fan quantity	W	150	150	150	250	250	250	250
	Capacitor	uF	/	/	/	/	/	/	/
Indoor Coil	Speed (Hi/Mi/Lo)	r/min	950/830/750	1050/1000/900	1100/1050/900	1000/950/850	1000/950/850	1300/1250/1160	1300/1250/1160
	a.Number Of Row		2	3	3	3	3	3	3
	b.Tube Pitch(a)x Row Pitch(b)	mm	20.5x12.7	20.5x12.7	20.5x12.7	20.5x12.7	20.5x12.7	20.5x12.7	20.5x12.7
	c.Fin Spacing	mm	1.5	1.6	1.6	1.6	1.6	1.6	1.6
	d.Fin Material		Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	e.Tube Outside Dia.and Material	mm	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved
	f.Coil Length x Height x Width	mm	625x369x25.4	625x369x38.1	625x369x38.1	985x369x38.1	985x369x38.1	985x369x38.1	985x369x38.1
	g.Heat Exchanging Area	m ²	6.98	9.87	9.87	23.2	23.2	23.20	23.20
	Indoor Air Flow	m ³ /h	1150/960/840	1400/1190/980	1500/1300/1120	2000/1700/1450	2000/1700/1450	2260/2000/1650	2260/2000/1650
	Noise Level	dB(A)	42/40/37	46/42/38	47/43/40	51/48/45	51/48/45	52/49/46	52/49/46
Noise Power Level	dB(A)	52	56	57	62	62	62	62	
Indoor Unit	External Static Pressure	Pa	0-50	0-80	0-80	0-80	0-80	0-80	0-80
	Net Dimension (W*H*D)	mm	890*785*290	890*785*290	890*785*290	1250*785*290	1250*785*290	1250*785*290	1250*785*290
	Packing Dimension (W*H*D)	mm	1100*870*360	1100*870*360	1100*870*360	1460*870*360	1460*870*360	1460*870*360	1460*870*360
	Net Weight	Kg	34	36	36	52	52	52	52
Refrigerant Pipe	Gross Weight	Kg	40	42	42	59	59	59	59
	Liquid Side	mm	6.35(1/4)	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 Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
	Max Refrigerant Pipe Length	m	30	50	50	65	65	65	65
	Max Difference In Level	m	20	25	25	30	30	30	30
Operation Temperature Range	°C	16-32	16-32	16-32	16-32	16-32	16-32	16-32	
Ambient Temperature Range(Cooling/Heating)	°C	-10-52/-15-24	-10-52/-15-24	-10-52/-15-24	-10-52/-15-24	-10-52/-15-24	-10-52/-15-24	-10-52/-15-24	
Connection Wiring	Power Wiring (Indoor)	mm ²	1	1	1	1	1	1	1
	Power Wiring (Outdoor)	mm ²	2.5	2.5	2.5	2.5	2.5	1.5	1.5
	Signal Wiring	mm ²	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Wireless Remote Controller			YKR-L300E	YKR-L300E	YKR-L300E	YKR-L300E	YKR-L300E	YKR-L300E	
Application Area	m ²		21-35	28-47	32-60	56-93	64-107	56-93	
Qty/per 20' & 40' & 40HQ(Only For Reference)	Set		43/95/110	36/78/94	36/78/94	21/44/47	21/44/47	21/44/47	

High Efficiency

Equipped with high efficiency DC Inverter compressor, adjustable fan motor and advanced 180° sine wave vector driver, the system can be higher than 4.0 in SCOP so as to meet the European and Australian new energy efficiency standards.

