



IRAN RADIATOR
GROUP



Iran Radiator Split Air Conditioner



Energy
Saving



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Inverter-Controlled Split Air Conditioner



- Gold fin aluminium condenser and evaporator with high anti-corrosion resistance
- Intelligent energy-saving system designed to optimize power consumption
- Self-diagnosis and auto-protection functions
- Integrated leak and low-pressure gas detection system
- Five-year compressor warranty and 18-month warranty for other parts

Inverter-Controlled Split Air Conditioner (With R401A Refrigerant)

Model		IAC-12CH/XA-I/A	IAC-18CH/XA-I/A	IAC-24CH/XA-I/A	IAC-30CH/XA-I/A	unit
Capacity	Cooling	7880~12880	13800~18900	20000~25800	24300~30500	Btu/h
	Heating	6700~12150	14500~19100	19000~25000	23400~30000	Btu/h
Power Supply		220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	Ph,V,Hz
Power Input	Cooling	630~1220	1020~1650	1550~2530	1660~2920	W
	Heating	400~1030	920~1535	1450~2370	1560~2550	W
Rated Current	Cooling	3.1~5.5	4.7~7.4	7.2~11.8	7.8~13.2	A
	Heating	1.9~4.8	4.1~6.9	6.4~10.1	6.8~11.3	A
Energy Efficiency Ratio (EER)	Cooling	3.21	3.46	3.28	3.24	W/W
	Heating	3.71	3.72	3.68	3.65	W/W
Airflow Volume		550	1100	1300	1500	m ³ /h
Noise Level	Indoor	42	50	54	54	dB(A)
	Outdoor	52	55	55	56	dB(A)
Indoor Unit	Net Dimension (W x H x D)	780x195x250	1005x220x315	1175x260x340	1175x260x340	mm
	Packaging Dimension (W x H x D)	855x275x325	1095x300x386	1265x338x415	1265x338x415	mm
	Net Weight	8	13	18	18.5	kg
	Gross Weight	9.5	15.5	21.5	22	kg
Outdoor Unit	Net Dimension (W x H x D)	700x552x265	905x655x315	905x655x315	905x805x375	mm
	Packaging Dimension (W x H x D)	805x600x325	1028x705x430	1028x705x430	1060x875x500	mm
	Net Weight	26	42	45	53.5	kg
	Gross Weight	28.5	46	49	57.5	kg
Connection Pipe Size	Liquid Pipe	6.35(1/4")	6.35(1/4")	9.52(3/8")	9.52(3/8")	mm(inch)
	Gas Pipe	9.52(3/8")	12.7(1/2")	15.88(5/8")	15.88(5/8")	mm(inch)
	Drain Hose	Ø16	Ø16	Ø16	Ø16	mm
Operating Temperature Range		-7~48	-7~48	-7~48	-7~48	°C
Refrigerant Gas		R 410 A	R 410 A	R 410 A	R 410 A	-

Split Air Conditioner with Rotary Compressor (T1)



- High energy efficiency (Grade A)
- Gold fin aluminium condenser and evaporator with high anti-corrosion resistance
- Equipped with GMCC brand compressor with Toshiba technology
- Five-year compressor warranty and 18-month warranty for other parts

Split Air Conditioner with Rotary Compressor (T1)

Model		IAC-12CH/XA/A	IAC-18CH/XA/AA	IAC-24CH/XA/A	IAC-30CH/XA/A	unit
Capacity	Cooling	12250	18300	24500	30680	Btu/h
	Heating	13820	19400	28150	38850	Btu/h
Power Supply		220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	Ph,V,Hz
Power Input	Cooling	1070	1557	2220	2800	W
	Heating	1120	1570	2280	3150	W
Rated Current	Cooling	5	6.8	10.6	14.8	A
	Heating	5.2	6.9	11.1	15.9	A
Energy Efficiency Ratio (EER)	Cooling	3.35	3.43	3.23	3.21	W/W
	Heating	3.61	3.62	3.61	3.61	W/W
Airflow Volume		500	1000	1000	1300	m ³ /h
Noise Level	Indoor	42	50	50	58	dB(A)
	Outdoor	54	57	58	58	dB(A)
Indoor Unit	Net Dimension (W x H x D)	780x195x250	1005x220x315	1005x220x315	1175x260x340	mm
	Packaging Dimension (W x H x D)	855x275x325	1095x300x386	1095x300x386	1265x338x415	mm
	Net Weight	8	13	13	18	kg
	Gross Weight	9.5	15.5	15.5	21.5	kg
Outdoor Unit	Net Dimension (W x H x D)	700x552x265	905x655x315	905x655x315	905x805x375	mm
	Packaging Dimension (W x H x D)	805x600x325	1028x705x430	1028x705x430	1060x875x500	mm
	Net Weight	28.5	46.5	50.5	58.5	kg
	Gross Weight	31	50.5	54.5	64.5	kg
Connection Pipe Size	Liquid Pipe	6.35(1/4")	6.35(1/4")	6.35(1/4")	9.52(3/8")	mm(inch)
	Gas Pipe	9.52(3/8")	12.7(1/2")	15.88(5/8")	15.88(5/8")	mm(inch)
	Drain Hose	Ø16	Ø16	Ø16	Ø16	mm
Operating Temperature Range		-7~43	-7~43	-7~43	-7~43	°C
Refrigerant Gas		R410 A	R410 A	R410 A	R410 A	-

Split Air Conditioner with Rotary Compressor – For Tropical Climates (T3)



- Equipped with a high-performance GMCC Rotary compressor for optimal efficiency and reliability
- High pressure automatic detection system
- Gold fin aluminium condenser and evaporator with high anti-corrosion resistance
- Five-year compressor warranty and 18-month warranty for other parts

Split Air conditioner with Rotary Compressor- For Tropical Climates (T3)

Model		IAC-12CH/XA/TR/A	IAC-18CH/XA/TR/A	IAC-24CH/XA/TR/B	IAC-30CH/XA/A	unit
Capacity	Cooling	12400	18770	24920	30680	Btu/h
	Heating	14000	18830	28590	38850	Btu/h
Power Supply		220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	Ph,V,Hz
Power Input	Cooling	1110	1635	2390	2800	W
	Heating	1200	1520	2450	3150	W
Rated Current	Cooling	5.2	7.5	10.9	14.8	A
	Heating	5.7	7.2	11.5	15.9	A
Energy Efficiency Ratio (EER)	Cooling	3.27	3.37	3.05	3.21	W/W
	Heating	3.42	3.63	3.42	3.61	W/W
Airflow Volume		500	1000	1000	1300	m ³ /h
Noise Level	Indoor	42	50	50	58	dB (A)
	Outdoor	55	58	58	58	dB (A)
Indoor Unit	Net Dimension (W x H x D)	780x195x250	1005x220x315	1005x220x315	1175x260x340	mm
	Packaging Dimension (W x H x D)	855x275x325	1095x300x386	1095x300x386	1265x338x415	mm
	Net Weight	8	13	13	18	kg
	Gross Weight	9.5	15.5	15.5	21.5	kg
Outdoor Unit	Net Dimension (W x H x D)	700x552x265	905x655x315	905x655x315	905x805x375	mm
	Packaging Dimension (W x H x D)	805x600x325	1028x705x430	1028x705x430	1060x875x500	mm
	Net Weight	33	49	53	58.5	kg
	Gross Weight	35.5	53	57	64.5	kg
Connection Pipe Size	Liquid Pipe	6.35(1/4")	6.35(1/4")	6.35(1/4")	9.52(3/8")	mm (inch)
	Gas Pipe	9.52(3/8")	12.7(1/2")	15.88(5/8")	15.88(5/8")	mm (inch)
	Drain Hose	Ø16	Ø16	Ø16	Ø16	mm
Operating Temperature Range		-7~52	-7~52	-7~52	-7~52	°C
Refrigerant Gas		R410 A	R410 A	R410 A	R410 A	

Split Air Conditioner with Scroll Compressor - For Tropical Climates (T3)



- Equipped with a high-performance GMCC scroll compressor for optimal efficiency and reliability
- High pressure automatic detection system
- Gold fin aluminium condenser and evaporator with high anti-corrosion resistance
- Integrated leak and low-pressure gas detection system
- Five-year compressor warranty and 18-month warranty for other parts

Split Air Conditioner with Scroll Compressor - For Tropical Climates (T3)

Model		IAC-18C/XA/TS/A	IAC-24C/XA/TS/AA	IAC-30C/XA/TS/AA	IAC-36C/XA/TS/A	unit
Capacity	Cooling	18100	24500	30000	36000	Btu/h
	Power Supply	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	Ph,V,Hz
Power Input	Cooling	1520	1885	2350	2920	W
	Rated Current	7.4	9	11.2	13.3	A
Energy Efficiency Ratio (EER)	Cooling	3.48	3.81	3.74	3.22	W/W
	Airflow Volume	1000	1300	1300	1300	m ³ /h
Noise level	Indoor	50	58	58	58	dB(A)
	Outdoor	58	62	62	62	dB(A)
Indoor Unit	Net Dimension (W x H x D)	1005x220x315	1175x260x340	1175x260x340	1175x260x340	mm
	Packaging Dimension (W x H x D)	1095x300x386	1265x338x415	1265x338x415	1265x338x415	mm
	Net Weight	13	18	19	19	kg
	Gross Weight	15.5	21.5	22.5	22.5	kg
Outdoor Unit	Net Dimension (W x H x D)	905x655x315	905x805x375	905x805x375	905x805x375	mm
	Packaging Dimension (W x H x D)	1028x705x430	1060x875x500	1060x875x500	1060x875x500	mm
	Net Weight	55	62	63	66	kg
	Gross Weight	59	66	67	70	kg
Connection Pipe Size	Liquid Pipe	6.35(1/4")	9.52(3/8")	9.52(3/8")	9.52(3/8")	mm(inch)
	Gas Pipe	12.7(1/2")	15.88(5/8")	15.88(5/8")	19.05(3/4")	mm(inch)
	Drain Hose	Ø16	Ø16	Ø16	Ø16	mm
Operating Temperature Range		16~55	16~55	16~55	16~55	°C
Refrigerant Gas		R410 A	R410 A	R410 A	R410 A	-