



DUCTED SYSTEMS



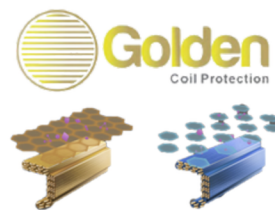
Residential Warranty

CENTRAL CONTROL AND COMFORT

Willis Carrier invented modern air conditioning in 1902, and his brand has set new standards with the Carrier Ducted range. Key features include Wi-Fi technology, Active Energy Control, and a self-cleaning outdoor unit. The new ducted design of the indoor unit add real value for ease of installation. The new KJR120N wired while providing quiet and effective all year comfort.

GOLDEN FIN TREATMENT

The outdoor unit features an anti-corrosive coating to prevent rust, especially in seaside areas. The indoor unit has a 5-layer structure with anti-corrosion, self-lubrication, and self-cleaning functions to enhance efficiency.



HIGH STATIC PRESSURE

High static ducted are ideal for residential applications, where ducts run to numerous outlets are required. Suitable for larger light commercial applications to large residential solutions.

SLIM LINE DUCTED

Slim line ducted provide solutions in light commercial applications and are ideal for hotels, offices and apartments.

CARRIER TWO-WAY COMMUNICATION

The New KJR-120N wired controller is standard on all of our Carrier ducted range. New features such as dual control, Wi-Fi ready, extended timer functions, and parameter selections ultimately give the homeowner a more customized solution. For commercial applications the KJR-120N can group control upto 16 indoors.



KJR-120N

STAY CONNECTED



Carrier's Smart Home app allows you to connect to all your Carrier products via your smartphone. Now you can operate your Carrier unit from almost anywhere, at any time. Carrier's Smart Home app comes with a suite of innovative features.



SPECIFICATIONS



	Model Number - System		53QSM060D8S	53QSM070D8S	53QSM090D8S	53QSM105D8S	53QSM125D8S	53QSM140D8S	53QSM170D8S
	- Indoor		42QSM060D8S	42QSM070D8S	42QSM090D8S	42QSM105D8S	42QSM125D8S	42QSM140D8S	42QSM170D8S
	- Outdoor		38QSM060D8S	38QSM070D8S	38QSM090D8S	38QSM105D8S	38QSM125D8S	38QSM140D8S	38QSM170D8S
	Refrigerant Type		R32						
	Power Supply	Volts-Phase-Hz	220-240v 1ph,50Hz						
COOLING	Capacity - Rated	kW	5.83	7.08	8.70	10.15	12.30	13.60	16.20
	Capacity - Range (Min / Max)	kW	2.65/8.83	2.65/8.83	2.95/12.05	2.95/12.05	3.75/15.24	3.75/15.24	3.52/20.80
	Efficiency (rated)	EER	3.35	3.22	3.28	3.14	3.40	3.20	3.24
	Operating Current	A	7.27	9.16	11.29	13.79	16.30	18.00	22.50
	Maximum rated Capacity	A	16	16	21	21	31	31	31
HEATING	Capacity - Rated	kW	6.47	7.08	9.28	10.87	13.00	14.50	17.00
	Capacity - Range (Min / Max)	kW	1.76/10.52	1.76/10.52	2.43/12.82	2.43/12.82	3.08/18.46	3.08/18.46	2.93/21.10
	Efficiency (rated)	COP	4.02	3.87	4.00	3.79	4.04	3.81	3.82
	Operating Current	A	6.57	7.44	10.14	12.40	14.40	17.00	19.50
	Maximum rated Capacity	A	16	16	21	21	31	31	31
INDOOR UNIT	Dimension (W-D-H)	mm	1100x774x249	1100x774x249	1360x774x249	1360x774x249	1200x874x300	1200x874x300	1400x858x440
	Net Weight	kg	31.6	31.6	39.9	39.9	47	47	81.1
	Airflow Volume(Hi/Mi/Lo)	l/s	416/336/290	416/336/290	615/489/326	615/489/326	1890/1540/930	1890/1540/930	3800/3000/2285
OUTDOOR UNIT	Dimension (W-D-H)	mm	890x673x342	890x673x342	946x810x410	946x810x410	952x1333x415	952x1333x415	952x1333x415
	Net Weight	kg	45	45	70	70	95.1	95.1	95.8
	Inverter Compressor	Rotary	SINGLE						
	Operating Noise - (Sound Pressure) (H) at 1m	dB(A) (@swl)	66	66	67	67	70	70	71
	Cooling Usable Temperature Range	Celsius	0~50						
	Heating Usable Temperature Range	Celsius	-20~24						
PIPE SIZE	Liquid Line Ø/Gas Line Ø	mm	9.52/15.9		15	9.52/19		9.52/19	
	Coupler Style		Flare Joint						
	Drain	mm	21						
	Maximum Length	m	50	50	75	75	75	75	75
	Pre-Charge Length	m							
	Maximum Height Difference (Above/Below)	m	25			30		30	



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AHIC is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specifications in this brochure are only indicative and are subject to change. They are not intended to be used in place of the engineering or installation book.

All features and specifications are subject to change without prior notice.

All images provided in this catalogue are used for illustration purposes only. Cooling and heating capacities mentioned for the products are nominal capacities at standard operating conditions.

Equipment rates are in accordance with MEPS GEMS 2019 Determination.



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Residential Warranty