



LIGHT COMMERCIAL AIR CONDITIONERS

SINGLE SPLIT



Turn to the experts

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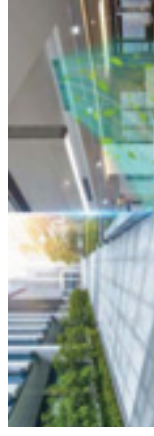
CONCEALED DUCT



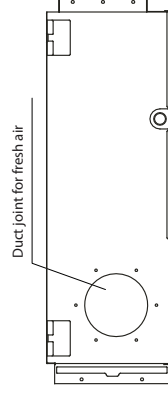
Concealed Installation

Concealed installation, harmonizes with indoor decoration.

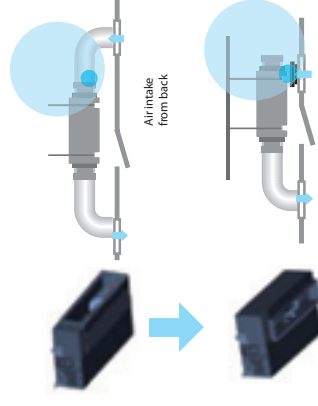
Fresh Air



Introducing outside air improves indoor air quality. Carrier Duct comes ready with the option of fresh air intake function when connected to additional ventilation duct.



Flexible Return Air Configuration

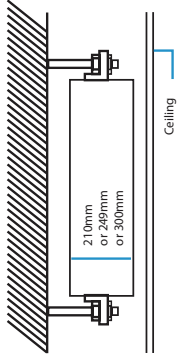


Whether return air is required from the rear or bottom, both can be easily achieved on-site by changing over the cover, as both air inlet have the same frame size.

CONCEALED DUCT

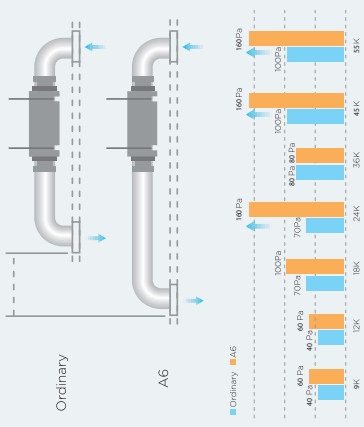
Easy Installation

With slim design of 210 mm in height and requiring a minimum of 20 mm space above and below the unit, the Carrier Concealed Duct fits well into small ceiling spaces.



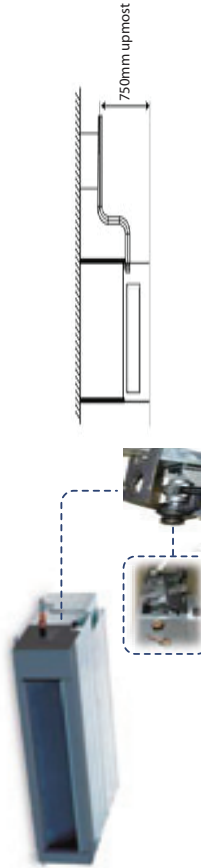
Wide Range of External Static Pressure

Carrier Concealed Duct is designed with wide external static pressure ranges from 0 Pa to 160 Pa, suitable for short or long duct, with or without damper.



Drain Pump

Inbuilt drain pump is capable of lifting condensating water up to 750mm, It can be easily installed at the designated compartment within the Carrier Concealed Duct unit.

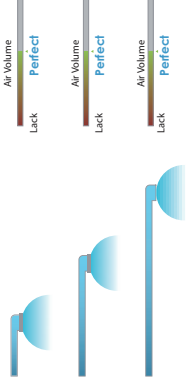


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CONCEALED DUCT

*Constant air volume control

Equipped with constant air volume control technology, Carrier Concealed Duct automatically adjusts the static pressure to deliver constant air volume for optimal occupants' comfort.



*Applicable for Carrier Full DC Inverter Concealed Duct models featured in this catalogue.

BMS Control (Optional)

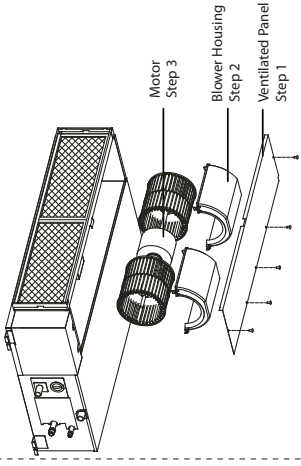
BMS control can be implemented to Carrier Concealed Duct through Gateways, which are BACnet, LonWorks and Modbus compatible.



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Easy Maintenance

Filter can be easily removed for cleaning, regardless of installation location on the rear or bottom of the Carrier Concealed Duct. Fan and its motor can be accessed from the bottom for ease of maintenance and servicing.



Step 1: Remove the ventilated panel.
Step 2: Remove one half of the blower housing
Step 3: Remove 2 bolts. Now, the fan and motor can be removed.

Follow Me

Detects the room temperature through the temperature sensor built into the remote controller, thereby providing comfort cooling.

Accessories for Different Needs (Optional)

For your convenience, additional accessories like front board, canvas air passage, filter and panel are available to complete the installation.

TECHNICAL SPECIFICATION

Fixed Speed Duct

Indoor unit customer model		42QS8018FS	42QS8024FS	42QS8036FS
Outdoor unit customer model		38QU5018FS	38QU5024FS	38QU5036FS
Power supply		1Ph-220~240V-50Hz	1Ph-220~240V-50Hz	3Ph-380~415V-50Hz
Power supply from		Indoor	Indoor	Outdoor
Cooling (Rating performance)	Capacity	Btu/h	26000	36000
	W	5569	7620	10551
	Input	W	2200	3700
	Current	A	9.7	6.7
EER		WW	2.5	2.9
Indoor air flow (High/Mid/Low)		m ³ /h	980/810/730	1350 /1170/960
Indoor sound pressure level (High/Mid/Low)		CFM	580/480/430	795/690/565
ESP Range		dB(A)	49/45/43	48/45/43
Indoor unit	Dimension (W/D/H)	Pa	0-60	0-80
	Packing (W/D/H)	mm	880x74x210	1100x74x249
	Net/Gross weight	mm	1070 x725 x270	1305 x805 x305
		kg	23.8/29.5	32.2/39.4
Outdoor sound pressure level		dB(A)	60	61
Outdoor unit	Dimension (W/D/H)	mm	770x300x555	845x363x702
	Packing (W/D/H)	mm	900 x348x 625	965 x395 x765
	Net/Gross weight	kg	36.5/39.7	52.7/56.1
		g	1500	1800
Design pressure		MPa	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side /Gas side	mm (inch)	Ø6.35 /Ø12.7 (1/4"/1/2")	Ø6.35 /Ø15.9 (3/8"/5/8")
	Max. pipe length	m	25	25
	Max. difference in level	m	15	15
			Remote	Remote
Operation temperature		°C	17~30	17~30
Ambient temperature		°C	18~43	18~43

Test standard: Performance (Reliability / Sound pressure ISO 5151)
Safety IEC 60335-1, IEC 60335-2-40.



TECHNICAL SPECIFICATION

Fixed Speed Duct

Indoor unit customer model		42QS8045FS	42QS8055FS
Outdoor unit customer model		38QU5045FS	38QU5055FS
Power supply		3Ph-380~415V-50Hz	3Ph-380~415V-50Hz
Power supply from		Indoor	Indoor
Cooling (Rating performance)	Capacity	Btu/h	48000
	W	14068	15533
	Input	W	5350
	Current	A	9.2
EER		WW	2.6
Indoor air flow (High/Mid/Low)		m ³ /h	2200/1850/1400
Indoor sound pressure level (High/Mid/Low)		CFM	1295/1090/825
ESP Range		dB(A)	53/48/42
Indoor unit	Dimension (W/D/H)	Pa	0-160
	Packing (W/D/H)	mm	1200x874x300
	Net/Gross weight	mm	1405 x915 x355
		kg	46.0/54.5
Outdoor sound pressure level		dB(A)	63
Outdoor unit	Dimension (W/D/H)	mm	900x350x1170
	Packing (W/D/H)	mm	1032x443x1307
	Net/Gross weight	kg	970/1070
		g	3300
Design pressure		MPa	4.2/1.5
Refrigerant piping	Liquid side /Gas side	mm (inch)	Ø9.52 /Ø19 (3/8"/3/4")
	Max. pipe length	m	50
	Max. difference in level	m	30
			Remote
Operation temperature		°C	17~30
Ambient temperature		°C	18~43

Test standard: Performance (Reliability / Sound pressure ISO 5151)
Safety IEC 60335-1, IEC 60335-2-40.



TECHNICAL SPECIFICATION

Inverter Duct(Full DC)

Indoor model	42QSB009VS	42QSB012VS	42QSB018VS	42QSB024VSA
Outdoor model	38QUS009VS	38QUS012VS	38QUS018VS	38QUS024VSA
Power supply	Ph-V-Hz	1Ph- 220-240V- 50Hz	1Ph- 220-240V- 50Hz	1Ph- 220-240V- 50Hz
Power supply from	Outdoor	Outdoor	Outdoor	Outdoor
Cooling (Rating performance)	Capacity	12000(1800-13900)	18000(8000-18250)	24000(9000-26000)
	W	2638(528-4074)	3517(528-4074)	5275 (2345-5349)
	Input	1300(155-1698)	1650(720-1800)	2190(800-2800)
	Current	A	4.0	5.7
Indoor air flow (High/Mid/Low)	EER	W/W	2.9	3.2
	m ³ /h	600/480/300	880/650/350	1250/1100/900
	CFM	350/280/180	520/380/210	735/650/530
	dB(A)	40/35/27	44/39/35	42/40/38
ESP Range	Pa	0-60	0-60	0-160
	Dimension (W ^{DPH})	700x450x200	880x674x210	1100x774x249
	Packing (W ^{DPH})	860x540x285	1070x725x270	1305x805x305
	Net/Gross weight	kg	18.0/22.0	24.3/29.6
Outdoor sound pressure level	dB(A)	57	57	61
Outdoor unit	Dimension (W ^{DPH})	800x333x554	800x333x554	845x363x702
	Packing (W ^{DPH})	920x390x615	920x390x615	965x395x775
	Net/Gross weight	kg	29.9/32.6	34.5/37.2
	g	1050	1050	1950
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side /Gas side	mm(inch)	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø12.7(1/4"/1/2")
	Max. pipe length	m	15	25
	Max. difference In level	m	8	15
	Remote	Remote	Remote	Remote
Operation temperature	℃	17-30	17-30	17-30
Ambient temperature	℃	0-50	0-50	0-50

Test standard: Performance/Reliability / Sound pressure ISO 5151
Safety :IEC 60335-1; IEC 60335-2-40.

TURBO

Follow Me

Sleep Mode

Indoor/Outdoor Dehumidification

Auto Restart Function

Timer

Self-diagnosis and Auto-protection

Gold Fin

Wind Control

Water pump

Note: All features and specifications are subject to change without prior notice for product improvement purposes.

TECHNICAL SPECIFICATION

Inverter Duct

Indoor model	42QSB030VS*	42QSB036VS	42QSB048VS	42QSB058VS
Outdoor model	38QUS030VS*	38QUS036VS	38QUS048VS	38QUS058VS
Power supply	Ph-V-Hz	1Ph- 220-240V- 50Hz	3Ph- 380-415V- 50Hz	3Ph- 380-415V- 50Hz
Power supply from	Outdoor	Outdoor	Outdoor	Outdoor
Cooling (Rating performance)	Capacity	31000(11000-31000)	36000(11000-36000)	46000(19000-47000)
	W	8792(3224-9086)	10551(3224-10551)	13482 (5569-13775)
	Input	2930(1000-3200)	3900(1000-3900)	5500(1500-5700)
	Current	A	13.0	5.7
Indoor air flow (High/Mid/Low)	EER	W/W	3.1	2.7
	m ³ /h	1540/1250/720	1500/1100/900	2300/1850/1500
	CFM	910/735/425	880/650/530	1355/1090/880
	dB(A)	53/49/46	50/45/42	51/46/42
ESP Range	Pa	0-160	0-80	0-160
	Dimension (W ^{DPH})	1360x774x249	1100x774x249	1200x874x300
	Packing (W ^{DPH})	1570x805x305	1305x805x305	1405x915x355
	Net/Gross weight	kg	40.6/48.5	34.5/41.9
Outdoor sound pressure level	dB(A)	62	63	64
Outdoor unit	Dimension (W ^{DPH})	946x410x810	946x410x810	952x415x1333
	Packing (W ^{DPH})	1090x500x875	1090x500x875	1095x495x1480
	Net/Gross weight	kg	62.9/68.5	67.3/73.1
	g	2800	3000	4000
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side /Gas side	mm(inch)	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø19(3/8"/3/4")
	Max. pipe length	m	30	50
	Max. difference In level	m	20	30
	Remote	Remote	Remote	Remote
Operation temperature	℃	17-30	17-30	17-30
Ambient temperature	℃	0-50	0-50	0-50

Test standard: Performance/Reliability / Sound pressure ISO 5151
Safety :IEC 60335-1; IEC 60335-2-40.

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Note: All features and specifications are subject to change without prior notice for product improvement purposes.
* means this model is full DC.