

INVERTER DUCTED AIR CONDITIONERS



relax, it's cool

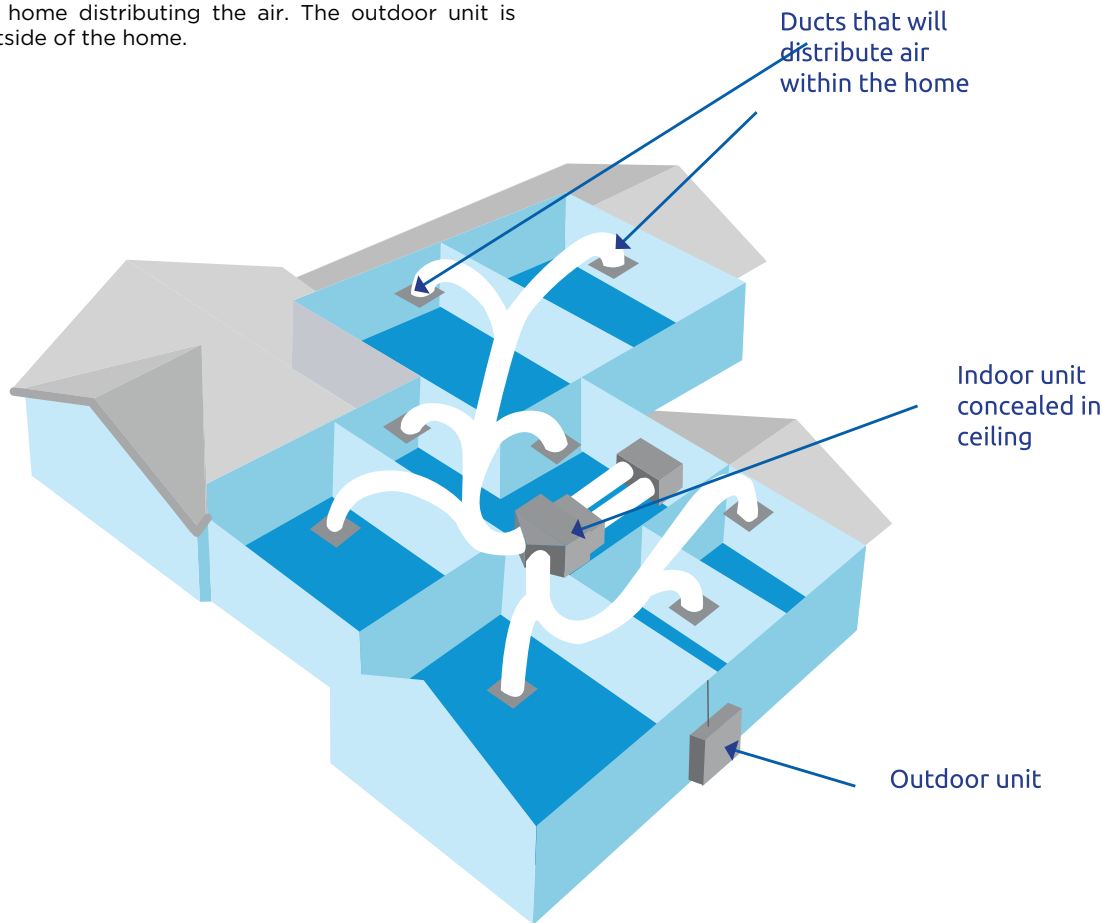
INVENTOR OF MODERN
AIR CONDITIONING



ABOUT CARRIER

Inverter Ducted Air Conditioners

Ducted Air Conditioning consists of an indoor and outdoor unit. The indoor unit is concealed in the roof with ducts around the home distributing the air. The outdoor unit is situated outside of the home.



Example of a high static ducted application

Who is Carrier Air Conditioners?

Founded by the inventor of modern air conditioning Willis Carrier, Carrier is one of the world's leaders in high technology heating, air conditioning and refrigeration solutions. Carrier provides sustainable solutions, integrating energy efficient products, building controls and energy services for residential, commercial, retail, transport and food services customers. Carrier improves the world around us through engineered innovation and environmental stewardship. Carrier is also a leading provider to the aerospace and building systems industries.

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.



Features



Customized
for Installers



Low Noise



Reduced Global
Warming Potential

Customized for Installers

Slimmer and Lighter

Meet various installations in narrow ceilings with shorter length and thinner



Living Room



Bedroom



Bathroom

Comfortable

Optimization of Duct Design

By applying the new design of duct, the interior noise level has been reduced significantly. End users can remain comfortable even when staying indoors for extended periods.



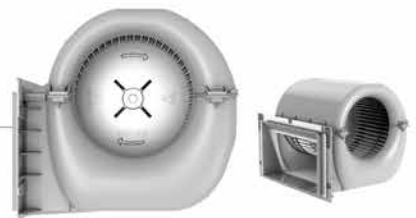
Application of
aviation airfoils and
blade optimization



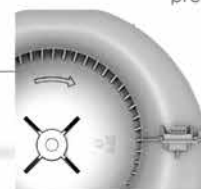
Full coverage air inlet
surface optimization



Volute outlet expansion design



Semi-elliptical entrance
profile optimization



Three-dimensional
volute design

Product

Slim Line Ducted - QSP Series

Slim line ducted units provide a solution for light commercial applications and are ideal for hotels, offices and apartments.

- Compact design to fit most ceiling space
- Static pressure of 160Pa
- Constant air volume technology for optimal airflow
- New eccentric fan design for improved performance
- 7 years warranty
- Drain pump included



Constant Air Volume Control

With the constant air volume control technology the duct will automatically adjust to perfect static pressure and keep a constant air volume.



SLIM DUCTED

Product Specifications

SYSTEM			SLIM LINE DUCTED		
INDOOR			42QSP070N8	42QSP090N8	42QSP105N8
OUTDOOR			38QSP070N8	38QSP090N8	38QSP105N8
Refrigerant type			R32	R32	R32
Power supply (Volts-Phase-Hz)			220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz
Max input current		A	14	19.5	19.5
COOLING	Capacity - rated	kW	7.30	9.00	10.20
	Capacity - range (min ~ max)	kW	0.85 ~ 9.08	2.31 ~ 11.6	2.31 ~ 11.6
	Efficiency (rated)	AEER	3.39	3.40	3.30
	Operating current (rated)	A	9.3	11.9	13.5
HEATING	Capacity - rated	kW	7.50	10.50	12.00
	Capacity - range (min ~ max)	kW	2.33 ~ 10.25	2.70 ~12.89	2.70 ~12.89
	Efficiency (rated)	ACOP	4.04	4.30	3.95
	Operating current (rated)	A	8.2	10.6	13.5
INDOOR UNIT	Dimension (WxDxH)	mm	1000x750x245	1200x750x245	1200x750x245
	Net weight	kg	31.5	40.5	40.5
	Airflow volume (H/M/L)	l/s	417/361/278	555/500/416	555/500/416
	ESP Rated / max	Pa	25 / 160	37 / 160	37 / 160
	Air inlet duct flange	mm	892x212	1092x212	1092x212
	Air outlet duct flange	mm	827x178	1027x178	1027x178
OUTDOOR UNIT	Dimension (WxDxH)	mm	890x342x673	946x410x810	946x410x810
	Net weight	kg	44	75.2	75.2
	Operating noise (sound power) (H)	dB(A)	66.3	68.1	68.3
	Cooling usable temperature range	°C	-15~50	-15~50	-15~50
	Heating usable temperature range	°C	-20~24	-20~24	-20~24
PIPE SIZE	Liquid line Ø	(mm)	9.52	9.52	9.52
	Gas line Ø	(mm)	15.9	15.9	15.9
	Drain (inside diameter) Ø	mm	25	25	25
	Maximum length	m	50	75	75
	Pre-charged length	m	20	20	20
	Additional Pre-charge	g/m	24	24	24
	Maximum height difference	m	25	30	30

Product

High Static Pressure - QSV Series

High static ducted are ideal for residential applications, where ducts run to numerous outlets.

- Concealed installation
- Static pressure of 200Pa
- Long ducted connection
- Constant air volume technology for optimal airflow
- Quiet operation
- Easy to install and maintain
- 7 years warranty
- Drain pump included



Easy Maintenance

The unit can be serviced from both top and bottom. And with QSV170 & QSV140, the splittable design allows the fan part and the coil part to be carried into or out of the ceiling, for the ease of renovation or retrofit installation or service.



Model: 42QSV140N8S / 42QSV170N8S

HIGH STATIC DUCTED

Product Specifications

SYSTEM			HIGH STATIC			HIGH STATIC - SPLITTABLE	
INDOOR			42QSV105N8H	42QSV125N8H	42QSV140N8H	42QSV140N8S	42QSV170N8S
OUTDOOR			38QSV105N8	38QSV125N8E	38QSV140N8E	38QSV140N8E	38QSV170N8
Refrigerant type			R32	R32	R32	R32	R32
Power supply (Volts-Phase-Hz)			220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz
Max input current		A	19.5	29.5	29.5	28.5	30
COOLING	Capacity - rated	kW	10.5	12.5	14.0	14.0	17.0
	Capacity - range (min ~ max)	kW	2.61 ~ 11.98	2.83 ~ 16.85	3.45 ~ 16.94	4.19 ~ 18.17	3.60 ~ 19.34
	Efficiency (rated)	AEER	3.3	3.45	3.36	3.56	3.31
	Operating current (rated)	A	14.1	16.2	18.3	17.0	22.0
HEATING	Capacity - rated	kW	12.5	14.5	15.5	17.0	18.0
	Capacity - range (min ~ max)	kW	2.61 ~ 12.89	3.28 ~ 19.63	3.32 ~ 19.63	3.60 ~ 19.64	3.90 ~ 19.64
	Efficiency (rated)	ACOP	4.14	3.77	4.02	4.04	3.92
	Operating current (rated)	A	13.5	17.2	17.2	18.5	20.0
INDOOR UNIT	Dimension (WxDxH)	mm	1200x750x300	1200x750x300	1200x750x300	1400x870x380	1400x870x380
	Net weight	kg	42.9	45	45	65	67
	Airflow volume (H/M/L)	l/s	611/527/416	806/694/528	806/694/528	861/722/583	1000/833/666
	ESP Rated / max	Pa	37 / 200	50 / 200	50 / 200	50 / 200	50 / 200
	Air inlet duct flange	mm	1092x267	1092x267	1092x267	2*400 (Oval)	2*400 (Oval)
	Air outlet duct flange	mm	1027x233	1027x233	1027x233	1152x295	1152x295
OUTDOOR UNIT	Dimension (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333	952x415x1333	952x415x1333
	Net weight	kg	75.2	93	93	93	94
	Operating noise (sound power) (H)	dBA	68.1	74.1	75.1	70.8	71.6
	Cooling usable temperature range	°C	-15~50	-15~50	-15 ~50	-15 ~50	-15 ~50
	Heating usable temperature range	°C	-20~24	-20~24	-20~24	-20~24	-20~24
PIPE SIZE	Liquid line Ø	(mm)	9.52	9.52	9.52	9.52	9.52
	Gas line Ø	(mm)	15.9	15.9	15.9	15.9	19
	Drain (inside diameter) Ø	mm	25	25	25	25	25
	Maximum length	m	75	75	75	75	75
	Pre-charged length	m	20	20	20	20	20
	Additional Pre-charge	g/m	24	24	24	24	24
	Maximum height difference	m	30	30	30	30	30

Carrier Inverter Ducted Air Conditioners

AHIC is committed to continuously improving its product 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. These 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 operation conditions.

7-Year warranty on residential applications only.

Equipment rates in accordance with MEPS 3823.2-2011 E&OE



SALES AND SERVICE: **13 COOL (13 2665)**
AHIC (Australia) Pty Ltd- Level 1, 152 Wellington Road, Clayton, VIC 3168
ABN 37 606 792 456 AU 22499

carrierair.com.au

