

CARRIER
RESIDENTIAL
AND LIGHT
COMMERCIAL
PRODUCTS

2017



METRACLARK
Refrigeration & Air-Conditioning Wholesale

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SINGLE SPLIT SYSTEMS

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WEATHERMAKERS TO THE WORLD

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is the world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

Willis H. Carrier

**THE INVENTOR OF MODERN
AIR-CONDITIONING**
CHANGED HOW WE LIVE,
WORK AND PLAY



The Invention That Changed the World

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.

Today, Carrier innovations are found across the globe and in virtually every facet of daily life. We create comfortable and productive environments, regardless of the climate. We safeguard the global food supply by preserving the quality and freshness of food and beverages. We ensure health and well-being by enabling the proper transport and delivery of vital medical supplies under exacting conditions. We provide solutions, services and education to lead the green building movement. These mark just a handful of the ways that Carrier works to make the world a better place to live, work and play.



Meeting customer needs

Carrier delivers global solutions across a broad range of applications in heating, air-conditioning, refrigeration and beyond.





Home Comfort

Millions of people trust Carrier's leadership and expertise in delivering efficient solutions for their home heating and cooling needs.



Building Solutions

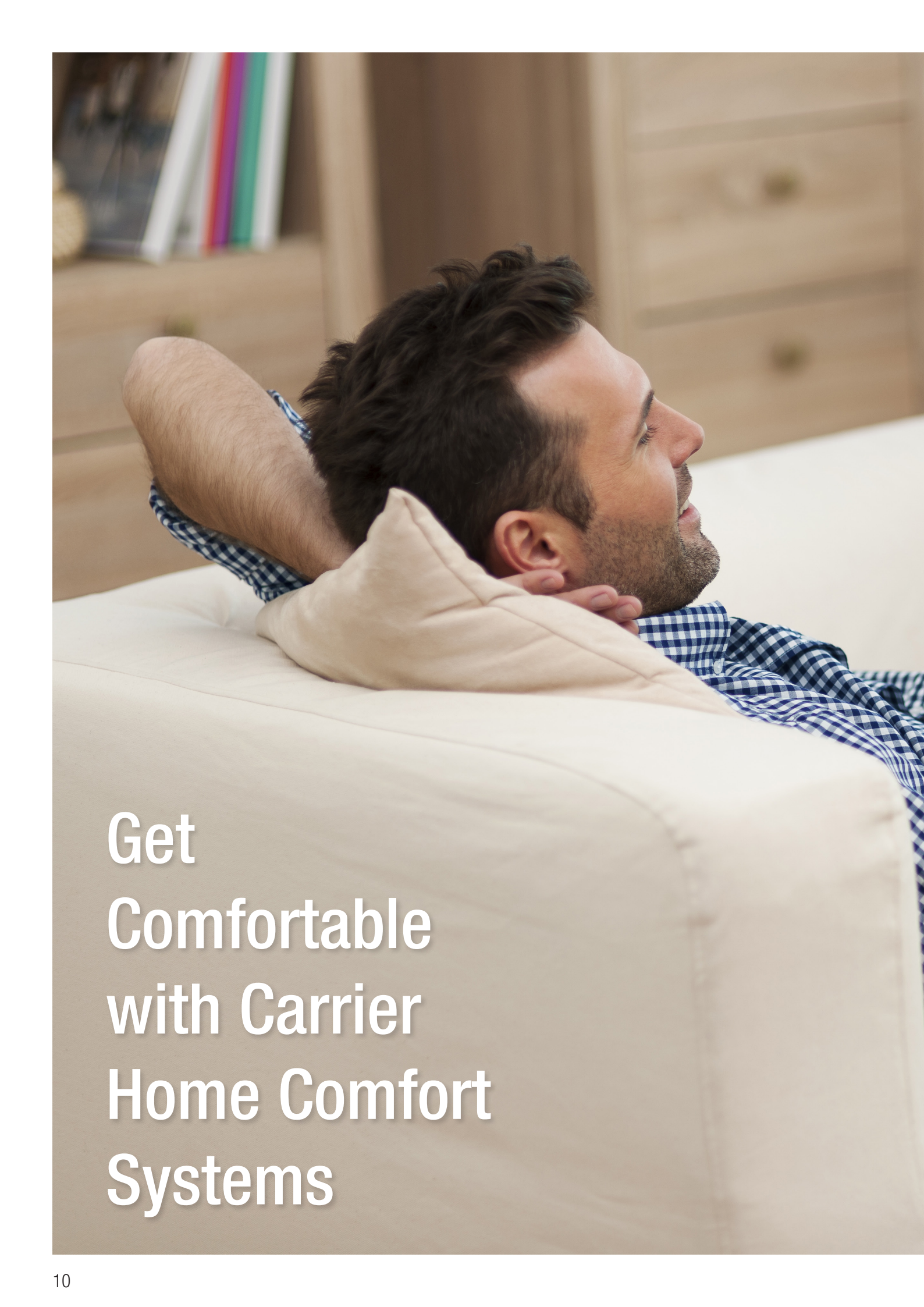
Setting the standard for performance, energy efficiency and sustainability, Carrier offers solutions in air-conditioning, building controls and energy service for the building lifecycle.





**This catalogue
is dedicated to
residential & light
commercial products
offered by Carrier.**



A man with dark hair and a beard is lying on a light-colored sofa, resting his head on a large, light-colored pillow. He is wearing a blue and white checkered shirt. His right arm is raised behind his head, and his left hand is resting near his chin. The background shows a wooden bookshelf with several books and a wooden cabinet with drawers. The overall atmosphere is relaxed and comfortable.

Get
Comfortable
with Carrier
Home Comfort
Systems



HOME COMFORT SOLUTIONS

Carrier helps millions of people take control of home comfort with innovative solutions.

QUIET CONSISTENCY AT HOME

Carrier home comfort solutions can provide consistent temperature, humidity and air quality from room to room, hour to hour and minute to minute.

ENERGY-EFFICIENT HOME HEATING AND AIR-CONDITIONING

Carrier heating and cooling products are among the world's most energy efficient and reliable products.

EXPERT INSTALLATION AND AFTER SALES SUPPORT

Proper installation is critical to keeping you comfortable. Our independent partners work with you before installation to custom design a solution that will meet the unique needs of your home. And beyond installation, you can count on Carrier experts for the after sales support.

INDOOR AIR QUALITY

Clean air is a key component of a healthy home. That's why Carrier, as part of your home heating and cooling solution, offers a wide range of air quality solutions that they can help reduce or even eliminate many allergens and harmful air pollutants.

A modern kitchen with white cabinetry and a woman sitting on a stool drinking coffee. The kitchen features a white countertop, a sink, and various kitchen appliances. A woman with long dark hair, wearing a white button-down shirt, is sitting on a black stool and drinking from a white cup. The kitchen has a clean, minimalist design with a white wall and a wooden floor. The text "Home heating and cooling expertise" is overlaid on the image in a large, white, sans-serif font.

Home heating and cooling expertise



SPLIT SYSTEMS



FEATURES

Performancy and reliability

Inverter technology for constant comfort.

Userfriendly remote control.

Smart airflow supply for optimal air distribution.

Programmable timer for energy savings.

Washable and easy removable filters.

Independent dehumidification mode.

Smart self -diagnostic function and refrigerant leak detection.

Turbo function in order to reach the desired temperature quickly.

Auto restart with the previous operation settings in case of power failure.

Auto mode that allows changing automatically the operation mode and the capacity according to temperature difference between room and set point.

Sleep mode to maintain the most comfortable temperature during the night.

Low- ambient control for the unit to operate until -15 °C.



Units



Remote controle

 WIFI optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QHC009DS	42QHC012DS	42QHC018DS	42QHC024DS
OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Cooling capacity	kW	2.7(0.5-3.5)	3.5(0.5-3.8)	5.2(0.8-5.8)	6.4(1.4-6.6)
Heating capacity	kW	2.9(0.6-3.8)	3.8(0.6-4.2)	5.5(1.0-6.0)	7.0(1.5-7.0)
Cooling Class (EER)		A	B	B	B
Heating Class		A	B	C	C
Annual energy consumption	kWh	840	1015	1505	1820
EER/COP	W/W	3.3 / 3.7	3 / 3.4	3.2 / 3.2	3.1 / 3.3
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3.7	5.4	7.3	9.3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3.5	4.9	7.6	9.7
Standard input (heating)	W	780	1120	1720	2120
Max Rated current	A	10.0	10.0	12.5	18.0
Max Rated input	W	2200	2200	2750	4100
Power Cable (Size x Qty)		1,5mm ² x 3	1,5mm ² x 3	1,5mm ² x 3	2,5mm ² x 3
Interconnecting Cable (Size x Qty)		1,5mm ² x 5	1,5mm ² x 5	1,5mm ² x 5	2,5mm ² x 5
Refrigerant (R410a) amount	kg	0.67	0.68	1.65	2.00
Liquid side/ Gas side	mm (inch)	6.35/9.52 (1/4"/3/8")	6.35/9.52 (1/4"/3/8")	6.35/12.7 (1/4"/1/2")	9.52/15.9 (3/8"/5/8")
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max height difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT					
Indoor fan motor Input	W	22	22	36	60
Indoor fan motor max current	A	0.5	0.5	0.5	0.7
Sound power level	dB(A)	52	53	56	62
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/whisper)	m ³ /h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (Net/Gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730×192×291	812×192×300	973×218×319	1082×225×338
Packing (WxDxH)	mm	800×275×375	880×275×385	1055×305×385	1165×315×420

OUTDOOR UNIT					
Sound power level	dB(A)	61	62	63	68
Sound pressure level	dB(A)	54	54	55	58
Airflow	m ³ /h	1700	1900	2100	2700
Weight (Net/Gross)	kg	23.0 / 25.0	26.5 / 28.5	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	700×275×550	770×300×555	800×333×554	845×363×702
Packing (WxDxH)	mm	815×325×615	900×348×615	905×375×600	950×380×740

Notes

Air cooled

Complies with Standard : SANS 54511-3

Engineered and designed for human comfort

Power Supply to Outdoor

Information above is applicable to a new unit with clean heat exchangers

The above specifications subject to change without prior notice due to on going product improvements

The sound levels reflected are taken in an anechoic chamber



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Inverter Hi-Wall Gold I

42UQV/38UQV

FEATURES

Performancy and reliability

Inverter technology for constant comfort.

Userfriendly remote control.

Smart airflow supply for optimal air distribution.

Programmable timer for energy savings.

Washable and easy removable filters.

Independent dehumidifacation mode.

Smart self-diagnostic function includes refrigerant leak detection.

Turbo function helps reach the desired temperature quicker.

Auto restart with the previous operation settings in case of power failure.

Auto mode that allows changing automatically the operation mode and the capacity according to temperature difference between room and set point.

Sleep mode to maintain the most comfortable temperature during the night.

Low- ambient control for the unit to operate upto -15 °C.



Unit



Remote controle

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42UQV025M3	42UQV035M3	42UQV050M3	42UQV060M3
OUTDOOR UNIT		38UYV025M3	38UYV035M3	38UYV050M3	38UYV060M3
Cooling capacity	HP (kW)	3.20 (0.90-4.00)	4.20 (0.90-5.50)	5.80 (0.80-6.30)	7.00 (1.00-7.50)
Heating capacity	HP (kW)	3.20 (0.90-4.00)	4.20 (0.90-5.50)	5.80 (0.80-6.30)	7.00 (1.00-7.50)
EER/COP	HP (W/W _a)	3.81 (4.29-3.33)	3.82 (5.63-3.48)	3.63 (5.33-3.60)	3.21 (5.26-3.19)
Liquid side/ Gas side	mm (inch)	6.35 (1/4")/9.52 (3/8")	6.35 (1/4")/ 9.52 (3/8"	6.35 (1/4")/12.7(1/2")	6.35 (1/4")/12.7(1/2")
Max piping length	m	15	20	20	20
Max height difference	m	8	10	10	10
Additional charge	g/m	20	20	20	20

INDOOR UNIT					
Indoor fan motor Input	W	20	20	30	30
Indoor fan motor max current	A	3.85	5	6.87	9.31
Sound power level	HP (dBA)	56	56	59	62
Sound pressure level (high/med/low/silence)	HP (dB)	41/38/36/33/31	41/38/35/32/29	44/41/38/35/32	47/44/42/38/35
Air flow (high/med/low/whisper)	HP (m3/h)	570-282	624-600	990-636	1098-714
Weight (Net/Gross)	kg	10	10	13	13
Dimensions (WxDxH)	mm	275x790x235	275x790x235	320x1050x238	320x1050x238

OUTDOOR UNIT					
Sound power level	HP (dBA)	64	65	65	67
Sound pressure level	HP (dB)	49	50	50	52
Weight (Net/Gross)	kg	25	34	39	41
Dimensions (WxDxH)	mm	530 x 660 x 240	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290

Notes

Air cooled

Engineered and designed for human comfort

Power Supply to Outdoor

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Fixed Speed Hi-Wall

42QTF/38QTF

FEATURES

Consistently maintain a comfortable indoor temperature while maximizing energy efficiency.

Aesthetically pleasing .

Long lasting washable filters that collect large dust particles and prevents bacteria build up in the air.

Independent dehumidification mode.

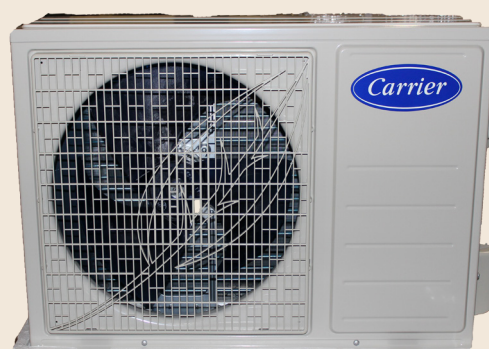
Smart self-diagnostic function includes refrigerant leak detection.

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Auto restart with the previous operations settings in case of power failure.

Auto mode that allows changing automatically the operation mode according to temperature difference between room and set point.

Sleep mode to maintain the most comfortable temperature during the night.



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QTF009713GE	42QTF0012713GE	42QTF018713GE	42QTF024713GE	42QTF026713GE
OUTDOOR UNIT		38QTF009713GE	38QTF0012713GE	38QTF018713GE	38QTF024713GE	38QTF026713GE
Cooling capacity	BTU	9000	11000	18000	22000	26000
Heating capacity	BTU	9500	11000	19000	23000	28000
Temp operating range cooling	°C	17~32	17~32	17~32	17~32	17~32
Temp operating range heating	°C	0~30	0~30	0~30	0~30	0~30
Power supply	V-ph-Hz	1 Ph, 230V~50Hz	1 Ph, 230V~50Hz	1 Ph, 230V~50Hz	1 Ph, 230V~50Hz	1 Ph, 230V~50Hz
Standard current (cooling)	A	3.7	4.4	7.5	9.1	9.9
Standard input (cooling)	W	825	1000	1650	2020	2200
Standard current (heating)	A	3.5	4.0	7.3	8.4	9.7
Standard input (heating)	W	780	890	1580	1870	2150
Refrigerant amount R410a	kg	590	770	1150	1340	2050
Liquid side / Gas side	inch	1/4" & 3/8"	1/4" & 1/2"	1/4" & 1/2"	1/4" & 5/8"	3/8" & 5/8"
Max. piping length	m	20	20	25	25	25
Max. difference in height	m	8	8	10	10	10

INDOOR UNIT						
Sound pressure level (high/med/low)	dB(A)	41/34/30	42/37/32	46/43/36	49/47/40	48/46/40
Airflow (high/med/low)	m3/h	500/380/280	610/510/360	848/740/500	1223/1020/800	1223/1020/800
Weight	kg	6.5	8	10	12	12
Dimensions (WxDxH)	mm	715 x 188 x 250	800 x 188 x 275	940 x 205 x 275	1045 x 235 x 315	1045 x 235 x 315

OUTDOOR UNIT						
Sound power level	dB(A)	56	55	58	60	63
Airflow	m3/h	1650	1900	2300	2700	3500
Weight	kg	25	26	39	45	61
Dimensions (WxDxH)	mm	700 x 240 x 540	780 x 250 x 540	760 x 285 x 590	845 x 320 x 700	900 x 315 x 860

Notes:

Cooling Conditions 35 °C DB and 24 °C WB outdoor. 27 °C DB and 19 °C WB indoor

Heating 7 °C DB and 6 °C WB outdoor. 20 °C DB and 15 °C WB indoor



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FEATURES

Consistently maintain a comfortable indoor temperature while maximizing energy efficiency.

Aesthetically pleasing .

Long lasting washable filters that collect large dust particles and prevents bacteria build up in the air.

Independent dehumidification mode.

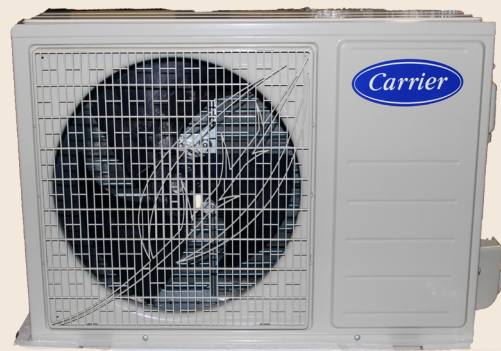
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Auto mode that allows changing automatically the operation mode according to temperature difference between room and set point.

Sleep mode to maintain the most comfortable temperature during the night.



Unit



Remote controle

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QHM030N	42QHM036M
OUTDOOR UNIT		380QHM030N	380QHM036M
Cooling capacity	kW	8.8	10.5
Heating capacity	kW	9.1	11
Temp range cooling	°C	18~32	18~32
Temp range heating	°C	0~27	0~27
Power supply	V-ph-Hz	1 Ph, 220V-240V~50Hz	1 Ph, 220V-240V~50Hz
Current (cooling)	A	12.9	15.5
Input (cooling)	W	2750	3200
Current (heating)	A	12.1	16.5
Input (heating)	W	2700	3400
Refrigerant amount R410a	kg	2.45	2.75
Liquid side / Gas side	inch	3/8" & 5/8"	3/8" & 3/4"
Max. piping length	m	25	30
Max. difference in height	m	10	15

INDOOR UNIT			
Sound pressure level (high/med/low)	dB(A)	50/46/43	50/46/43
Weight	kg	18.5	18.5
Dimensions (WxDxH)	mm	1186 x 258 x 340	1186 x 258 x 340

OUTDOOR UNIT			
Sound power level	dB(A)	60	64
Weight	kg	67	67
Dimensions (WxDxH)	mm	900 x 315 x 860	900 x 315 x 860



A photograph of a man with a beard and long hair lying on his back, looking up at a baby. The baby is being held by someone's hands and is wearing a yellow shirt. The man is wearing a red shirt. The background is a white wall with a pattern of small yellow dots.

**Delivering
the ultimate
comfort with
the maximum
flexibility**





Air Curtains QAC

FEATURES

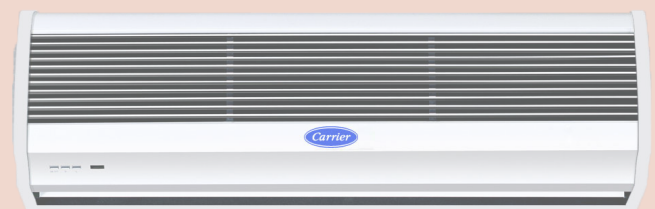
Luxurious and classic design, with aluminium body.

The design is lightweight and slim

;

With a quiet fan wheel, the outlet air is stable and powerful with little noise

Installation height: 2-3m



TECHNICAL SPECIFICATIONS

MODEL		33QAC0900	33QAC1200	33QAC1500	33QAC1800
Unit Size	(L*W*H) (mm)	900x190x220	1200x190x220	1500x190x220	1800x190x220
Volt./ Freq.	V-ph-Hz	220v~50hp~1P	220v~50hp~1P	220v~50hp~1P	220v~50hp~1P
Motor power (W)	Hi	160	200	230	300
Motor power (W)	Lo	110	150	180	250
Air flow (m3/h)	Hi	1400	1900	2500	3200
Air flow (m3/h)	Lo	1100	1600	2000	2600
Air speed	(m/s)	13-16			
Noise (dB)	Hi	57	58	59	60
Noise (dB)	Lo	55	56	57	58
N.W (kg)		10	12.5	15.5	18



A full-page photograph of two women in professional attire walking down a modern glass staircase. The woman in the foreground is wearing a white blazer with dark piping, a light blue button-down shirt, and white trousers. She is smiling and looking towards the other woman. The second woman is wearing a light-colored blazer and trousers. The staircase has glass railings and steps, and the background shows a modern building with large windows.

Professional
solutions
from
professionals



LIGHT COMMERCIAL COMFORT SOLUTIONS

Carrier light commercial solutions are designed to meet the requirements of a variety of building types and applications.

ENERGY EFFICIENCY

The inverter technology that the systems use offers considerable advantages in terms of energy savings. The variable capacity management of the compressor allows the system to maintain room temperature control and to ensure minimum energy usage.

EXTENDED RANGE OF SOLUTIONS

Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring comfort and convenience to any light commercial installation.

OPERATIONS AND MAINTENANCE

With superior quality and performance, the decision to partner with Carrier for light commercial solutions is an easy one. Our independent partners make installing and maintaining those solutions for optimal performance simple as well.



Setting
the standard
for performance,
energy efficiency
and sustainability



SPLIT SYSTEMS



FEATURES

This under-ceiling has been designed not only to be slim and stylish but also to provide high performance.

Reliable and durable unit thanks to high efficient DC rotary inverter driven compressor.

All units can be mounted on walls or under the ceiling.

3D motorised louvers allow air distribution direction according to individual preferences.

State of the art fans and advanced slimline coil.

Easy installation and maintenance: all internal components can be easily accessed by removing the grille.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42FTV0241001231	42FTV0361001231	42FTV0481001231	42FTV061001931
OUTDOOR UNIT		38VN0241123A	38VN0361123A	38VN0481123A	38VN0601193A
Cooling capacity	kW	7.1	11.5	14.1	16.5
Heating capacity	kW	7.4	11.7	16.5	19.5
Temp range cooling	°C	-15~50	-15~50	-15~50	-15~50
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
EER / COP		2.84/3.22	2.88/3.08	2.61/2.95	2.62/2.87
Power supply	V-ph-Hz	220V-240V~1PH~50Hz	220V-240V~1PH~50Hz	220V-240V~1PH~50Hz	220V-240V~1PH~50Hz
Standard current (cooling)	A	13.5	22	26	15
Standard input (cooling)	W	2500	3990	5400	6300
Standard current (heating)	A	13.5	22	26	15
Standard input (heating)	W	2500	3990	5400	6300
Liquid side / Gas side	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Max. piping length	m	25	30	50	50
Max. difference in height	m	12	20	25	25

INDOOR UNIT					
Sound pressure level (H/M/L/S)	dB(A)	53/48/41	54/49/45	56/52/49	56/52/49
Airflow (high/med/low)	m³/h	1400/1200/1000	1800/1600/1350	2300/1900/1700	2300/1900/1700
Weight	kg	25	30	38	38
Dimensions (WxDxH)	mm	1068 x 675 x 235	1068 x 675 x 235	1068 x 675 x 235	1068 x 675 x 235

OUTDOOR UNIT					
Sound power level	dB(A)	58	64	62	63
Sound pressure level	dB(A)	58	64	62	63
Airflow	m³/h	2700	5500	7200	7500
Weight	kg	46	73.5	99	107
Dimensions (WxDxH)	mm	842 x 324 x 695	990 x 354 x 966	938 x 392 x 1369	938 x 329 x 1369

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



United Technologies

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Fixed Speed Under-ceiling I

42FTR/38RN

FEATURES

This under-ceiling has been designed not only to be slim and stylish but also to give high performance.

All units can be mounted on walls or under the ceiling.

3D motorised louvers allow air distribution direction according to individual preferences.

State of the art fans and advanced slimline coil.

Easy installation and maintenance: all internal components can be easily accessed by removing the grille.

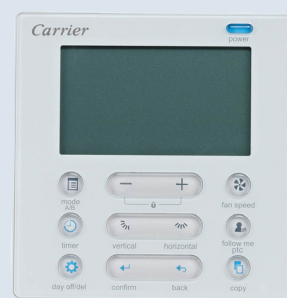
Choice of wired (optional) or wireless controls (standard).



Unit



Remote control



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42FTR0181121	42FTR0241121	42FTR0361121	42FTR0481191	42FTR0601191	42FTR0701191
OUTDOOR UNIT		38RN0181121A	38RN0241121A	38RN0361121A	38RN0481191A	38RN0601191A	38RN0701191A
Cooling capacity	kW	6.0	7.3	9.4	12.6	14.6	17.3
Heating capacity	kW	6.0	7.7	11.5	13.8	16.8	19.7
Temp range cooling	°C	18~43	18~43	-10~43	-10~43	-10~43	18~32
Temp range heating	°C	-7~24	-7~24	-7~24	-7~24	-7~24	0~27
EER / COP		2.59/3.30	2.63/2.98	2.34/2.78	2.38/2.72	2.33/2.80	2.78/3.25
Power supply	V-ph-Hz	220V-240V~1PH ~50Hz	220V-240V~1PH ~50Hz	220V-240V~1PH ~50Hz	380V-415V~3HP ~50HZ	380V-415V~3HP ~50Hz	380V-415V~3HP ~50HZ
Current (cooling)	A	15	18	30	10.9	12.6	16
Input (cooling)	W	2950	3450	4950	6300	7500	8800
Current (heating)	A	15	18	30	10.9	12.6	16
Input (heating)	W	2950	3450	4950	6300	7500	8800
Liquid side / Gas side	mm	6.35 / 12.7	9.52 / 15.88	9.52 / 19.05	9.52 / 19.05	9.52 / 19.05	9.52 / 22
Max. piping length	m	25	25	30	50	50	50
Max. piping length	m	15	15	20	25	25	25

INDOOR UNIT							
Sound pressure level (H/M/L/S)	dB(A)	53/46/41	53/48/43	54/49/45	53/48/44	55/51/48	59/58/57
Airflow (high/med/low/silence)	m³/h	1300/1050/900	1400/1200/1000	1750/1400/1250	1750/1400/1250	2300/1800/1600	2300/1800/1600
Weight	kg	24	24	29	31	39	44
Dimensions (WxDxH)	mm	1068 x 675 x 235	1068 x 675 x 235	1285 x 675 x 235	1285 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235

OUTDOOR UNIT							
Sound power level	dB(A)	58	61	62	63	63	62
Sound pressure level	dB(A)	58	61	62	63	63	62
Airflow	m³/h	2950	3450	4950	6300	7500	7500
Weight	kg	37	48	86	94	99	116
Dimensions (WxDxH)	mm	762 x 282 x 593	842 x 324 x 755	990 x 954 x 966	900 x 340 x 1167	900 x 340 x 1167	938 x 392 x 1505

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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Inverter Cassette I

42TSV/38VN

FEATURES

The ideal solution for any commercial application.

Reliable and durable unit thanks to high efficient DC rotary inverter driven compressor.

Allows 360° airflow for optimum air distribution in the room.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42TSV0241001231	42TSV0301001231	42TSV0361001231	42TSV0481001231	42TSV0601001931
OUTDOOR UNIT		38VN0241123A	38VN0301123A	38VN0361123A	38VN0481123A	38VN0601193A
Cooling capacity	kW	7.1	9	11.5	14.1	16.5
Heating capacity	kW	7.4	10	11.7	16.5	19.5
Temp range cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
EER / COP		2.84/3.22	2.81/3.33	2.88/3.08	2.61/2.95	2.62/2.87
Power supply	V-ph-Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50H	380-415V~3Ph~50Hz
Max Current	A	18.5	13.5	22	26	15
Max Input	W	2500	3200	3990	5400	6300
Refrigerant amount R410a	kg	2.1	2.4	2.65	3.6	4.6
Liquid side / Gas side	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Max. piping length	m	25	25	30	50	50
Max. piping height	m	12	15	20	25	25

INDOOR UNIT						
Sound pressure level (high/med/low)	dB(A)	43/41/38	46/45/43	51/48/45	53/48/45	53/48/45
Airflow (high/med/low)	m³/h	1250/1050/900	1580/1200/1000	2020/1700/1450	2100/1750/1500	2200/1800/1600
Weight unit	kg	21.5	24.5	24.5	27	31
Weight panel	kg	5	5	5	5	5
Dimensions unit (WxDxH)	mm	840 x 840 x 205	840c x 840 x 205	840 x 840 x 245	840 x 840 x 245	840 x 840 x 287
Dimensions panel (WxDxH)	mm	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55

OUTDOOR UNIT						
Sound power level	dB(A)	58	58	64	62	63
Sound pressure level	dB(A)	58	58	64	62	63
Airflow	m³/h	2700	3800	5500	7200	7500
Weight	kg	46	71	73.5	99	107
Dimensions (WxDxH)	mm	842 x 324 x 695	842 x 324 x 695	990 x 354 x 966	938 x 392 x 1369	938 x 392 x 1369

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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FEATURES

The ideal solution for any commercial application.

Compact design.

Allows 360° airflow for optimum air distribution in the room.

Standard dimensions compatible with all suspended ceiling systems.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Fresh air inlet for constant air renewal.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42TSR0121121	42TSR0181121
OUTDOOR UNIT		38RN012112A	38RN018112A
Cooling capacity	kW	3.4	5.3
Heating capacity	kW	3.5	5.6
Temp range cooling	°C	18~43	18~43
Temp range heating	°C	-7~24	-7~24
Power supply	V-ph-Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz
Current (cooling)	A	8.5	15
Input (cooling)	W	1740	2950
Current (heating)	A	8.5	15
Input (heating)	W	1740	2950
Refrigerant amount R410a	kg	0.96	1.4
Liquid side / Gas side	mm	6.35 & 12.7	6.35 & 12.7
Max. piping length	m	15	25
Max. piping height	m	8	15

INDOOR UNIT			
Sound pressure level (high/med/low/silence)	dB(A)	39/35/31	46/40/35
Airflow (high/med/low/silence)	m³/h	680/550/430	810/650/530
Weight unit	kg	14.5	16.5
Weight panel	kg	2.5	2.5
Dimensions unit (WxDxH)	mm	570 x 570 x 260	570 x 570 x 260
Dimensions panel (WxDxH)	mm	647 x 647 x 50	647 x 647 x 50

OUTDOOR UNIT			
Sound power level	dB(A)	55	58
Sound pressure level	dB(A)	55	58
Airflow	m³/h	1800	2400
Weight	kg	28	37
Dimensions (WxDxH)	mm	780 x 250 x 547	762 x 282 x 593

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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Fixed Speed Cassette

900 x 900 | 42TSR/38RN

FEATURES

The ideal solution for any commercial application.

Allows 360° airflow for optimum air distribution in the room.

Standard dimensions compatible with all suspended ceiling systems.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Fresh air inlet for constant air renewal.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42TSR0241121	42TSR0361121	42TSR0481191	42TSR0601191
OUTDOOR UNIT		38RN024112A	38RN036112A	38RN048119A	38RN060119A
Cooling capacity	kW	7.1	10.1	13.5	15
Heating capacity	kW	7.5	11.5	14.5	16.5
Temp range cooling	°C	18~43	-10~43	-10~43	-10~43
Temp range heating	°C	-7~24	-7~24	-7~24	-7~24
EER / COP		2.7/3.01	2.5/2.9	2.61/3.1	2.5/2.9
Power supply	V-ph-Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz
Current (cooling)	A	18	30	10.9	12.6
Input (cooling)	W	3450	4950	6300	7500
Current (heating)	A	18	30	10.9	12.6
Input (heating)	W	3450	4950	6300	7500
Refrigerant amount R410a	kg	1.8	2.6	3.25	3.2
Liquid side / Gas side	mm	9.52 & 15.88	9.52& 19.05	9.52& 19.05	9.52& 19.05
Min. piping length	m	25	30	50	50
Max. piping length	m	15	20	25	25

INDOOR UNIT					
Sound pressure level (high/med/low)	dB(A)	48/45/40	50/46/43	53/47/44	53/48/45
Airflow (high/med/low)	m³/h	1200/1050/900	1950/1700/1450	2020/1700/1450	2100/1750/1500
Weight unit	kg	23	26	27	29
Weight panel	kg	5	5	5	5
Dimensions unit (WxDxH)	mm	840 x 840 x 205	840 x 840 x 245	840 x 840 x 245	840 x 840 x 287
Dimensions panel (WxDxH)	mm	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55

OUTDOOR UNIT					
Sound power level	dB(A)	61	62	63	63
Sound pressure level	dB(A)	61	62	63	63
Airflow	m³/h	2700	5500	6200	6500
Weight	kg	49	84.5	93	97
Dimensions (WxDxH)	mm	842 x 324 x 695	990 x 354 x 966	900 x 340 x 1167	900 x 340 x 1167

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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FEATURES

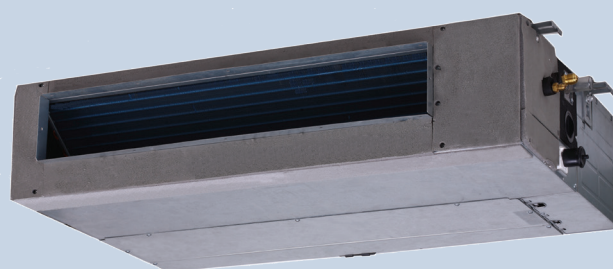
Compact and versatile, is the ideal choice for new or refurbished buildings.

Slim line profile that allows installation in applications with low available height.

Reliable and durable unit thanks to high efficient DC rotary inverter driven compressor.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42SMV0241001231	42SMV0361001231	42SMV0481001231	42SMV0601001931	42SMV-80H2	42SMV-100H2
OUTDOOR UNIT		38VN0241123A	38VN0361123A	38VN0481123A	38VN0601193A	38SMV-80H2	38SMV-100H2
Cooling capacity	kW	7.1	11.5	14.1	16.5	20	25
Heating capacity	kW	7.4	11.7	16.5	19.5	22.5	26
Temp range cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~48	-15~48
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~27	-15~27
EER / COP		2.84/3.22	2.88/3.08	2.61/2.95	2.62/2.87	3.11/3.66	3.10/3.61
Power supply	V-ph-Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz
Current (cooling)	A	13.5	22	26	15	11.5	13.5
Input (cooling)	W	2500	3200	3990	6300	7200	8400
Current (heating)	A	13.5	22	26	15	11.5	13.5
Input (heating)	W	2500	3200	3990	6300	6700	7900
Refrigerant amount R410a	kg	2.1	2.65	3.6	4.6	6.2	6.2
Liquid side / Gas side	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 19.1	9.52 / 22.2
Max. piping length	m	25	30	50	50	120	120
Max. difference in height	m	12	20	25	25	30	30

INDOOR UNIT							
Sound pressure level (high/med/low)	dB(A)	45/43/41	46/44/42	47/45/43	47/45/43	59/55/52	59/55/52
Airflow (high/med/low)	m³/h	1400/100/1000	2270/1890/1650	3010/2410/1940	3150/2510/1900	4268/3780/3200	4268/3780/3200
Weight unit	kg	28	29	45	45.5	115	115
Dimensions unit (WxDxH)	mm	920 x 635 x 270	1140 x 775 x 270	1200 x 865 x 300	1200 x 865 x 300	1425 x 500 x 928	1425 x 500 x 928

OUTDOOR UNIT							
Sound power level	dB(A)	58	64	62	63	59	60
Sound pressure level	dB(A)	58	64	62	63	59	60
Airflow	m³/h	2500	3200	3990	6300	10494	10494
Weight	kg	46	73.5	99	107	146.5	147
Dimensions (WxDxH)	mm	842 x 324 x 695	990 x 354 x 966	938 x 392 x 1369	938 x 392 x 1369	1120 x 1558 x 400	1120 x 1558 x 400

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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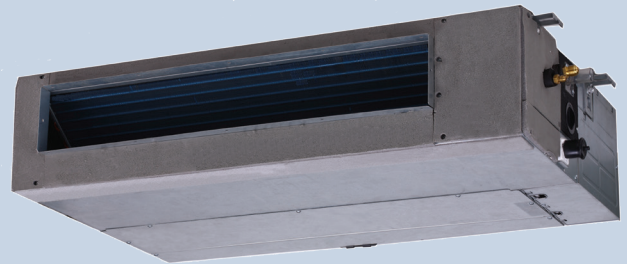
FEATURES

Compact and versatile, is the ideal choice for new or refurbished buildings.

Slim line profile that allows installation in applications with low available ceiling void height.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42SHR0241121	42SHR0361121	42SHR0481191	42SHR0601191	42SHR0701191
OUTDOOR UNIT		38RN024112A	38RN036112A	38RN048119A	38RN060119A	38RN070119A
Cooling capacity	kW	7.3	9.8	13.7	15	17.3
Heating capacity	kW	7.4	11.8	15.3	17.5	19
Temp range cooling	°C	18~43	-10~43	-10~43	-10~43	-15~24
Temp range heating	°C	-7~24	-7~24	-7~24	-7~24	-7~24
EER / COP		2.62/2.82	2.3/3.11	2.28/3.07	2.35/3.21	2.72/3.40
Power supply	V-ph-Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz
Current (cooling)	A	18	30	10.9	12.6	16
Input (cooling)	W	3450	4950	6300	7500	8800
Current (heating)	A	18	30	10.9	12.6	16
Input (heating)	W	3450	4950	6300	7500	8800
Liquid side / Gas side	mm	9.52 / 15.88	9.52 / 19.05	9.52 / 19.05	9.52 / 19.05	9.52 / 22
Max. piping length	m	25	30	50	50	50
Max. difference height	m	15	20	25	25	25

INDOOR UNIT						
Sound pressure level (high/med/low)	dB(A)	48/42/40	54/50/41	53/51/48	53/50/47	54/52/50
Airflow (high/med/low)	m³/h	1540/1310/1125	2300/2010/1815	3500/2800/2200	3500/2800/2200	3150/2809/2554
External static pressure	Pa	90	150	160	160	160
Weight unit	kg	28	35	47	47	47
Dimensions unit (WxDxH)	mm	320 x 635 x 270	1140 x 775 x 270	1200 x 865 x 300	1200 x 865 x 300	1200 x 550 x 380

OUTDOOR UNIT						
Sound power level	dB(A)	61	62	63	63	62
Sound pressure level	dB(A)	61	62	63	63	62
Airflow	m³/h	2700	5500	6200	6500	7500
Weight	kg	48	86	94	99	116
Dimensions (WxDxH)	mm	842 x 324 x 695	990 x 354 x 966	900 x 340 x 1167	900 x 340 x 1307	1095 x 495 x 1505

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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Large Fixed Speed Ducted I

42LDU/38LDU

FEATURES

This is ideal choice for new or refurbished buildings.

Ideally suited for larger commercail applications.

High static pressure indoor units allows for longer ducting runs ensure optimal air distribution in al areas.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle



Wired optional

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42LDU-70HN1	42LDU-96HN1	42LDU-140HN1	42LDU-170HN1
OUTDOOR UNIT		38LDU-70HN1	38LDU-96HN1	38LDU-140HN1	38LDU-170HN1
Cooling capacity	kW	20.5	27.2	39.5	49.8
Heating capacity	kW	25	30.7	44	57
Temp range cooling	°C	17~46	17~46	17~46	17~46
Temp range heating	°C	-7~24	-7~24	-7~24	-7~24
EER / COP		2.73/3.01	2.83/2.98	2.42/2.8	2.26/2.95
Power supply	V-ph-Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz
Max Current	A	19.3	23.7	47.9	53.8
Max Input	W	11700	14400	26900	32200
Liquid side / Gas side	mm	9.52 / 22	9.52 / 25	16 / 32	16 / 32
Max. piping length	m	50	50	50	50
Max. difference	m	25	25	25	25

INDOOR UNIT					
Sound power level	dB(A)	56	56	63	65
Airflow (high/med/low)	m³/h	1160/980/870	1160/1010/860	1040/930/825	1280/1135/975
External static pressure	Pa	196	196	196	196
Weight unit	kg	94	96	188	235
Dimensions unit (WxDxH)	mm	1366 x 450 x 716	1366 x 450 x 716	1828 x 668 x 858	1828 x 668 x 858
OUTDOOR UNIT					
Sound power level	dB(A)	68	68	70	73
Sound pressure level	dB(A)	68	68	70	73
Weight	kg	174	187	288	320
Dimensions (WxDxH)	mm	1255 x 908 x 700	1255 x 908 x 700	1250 x 1615 x 765	1390 x 1615 x 765

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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FEATURES

Auto-Restart

If the air conditioner switches off unexpectedly due to the power cut, it will restart at the previous function settings automatically when the power resumes

Self-diagnosis and Auto-protection

Once abnormal operation or parts failure happens, the unit will shut off automatically to protect the system.

Wireless Controller

Wireless Controller make Air-conditioner control more convenient

Auto Swing Air Flow

Auto swing function ensures an even distribution of air throughout the room.

Turbo Mode

Powerful cooling and Heating at your fingertips. The unit will operate at it's maximum cooling or heating temprature for 20 minutes.



Unit

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42CFH260	42CFS-76HN1	42CFS-96HN1
OUTDOOR UNIT		38HR2601001931	38LDU-76HN1	38LDU-96HN1
Cooling capacity	kW	15.8	22.3	28.1
Heating capacity	kW	18.1	25	31.1
Temp range cooling	°C	18~43	17~46	17~46
Temp range heating	°C	-7~24	-7~24	-7~24
EER / COP		2.68/3.19	2.97/3.01	2.93/3.02
Power supply	V-ph-Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz	380-415V~3Ph~50Hz
Max Current	A	-	19.3	23.7
Max Input	W	5900	11700	14400
Refrigerant amount R410a	kg	3.7	5.4	5.5
Liquid side / Gas side	inch	12.7 & 19	9.52 & 22	9.52 & 25
Max. piping length	m	30	50	50
Max. difference	m	20	25	25

INDOOR UNIT				
Sound power level	dB(A)	59/52	56	56
Airflow (high/med/low)	m³/h	2360/1380	4300	4800
Weight unit	kg	60	130	140
Dimensions unit (WxDxH)	mm	610 x 390 x 1925	1200 x 1860 x 420	1200 x 1860 x 420
OUTDOOR UNIT				
Sound power level	dB(A)	62	68	68
Sound pressure level	dB(A)	62	68	68
Weight	kg	113	174	187
Dimensions (WxDxH)	mm	938 x 392 x 1369	1255 x 908 x 700	1255 x 908 x 700

Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



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