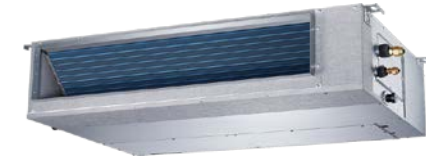


Technical Specification

R410A Split System

Model			42QSM018V/ 38QSM018V	42QSM024V/ 38QSM024V	42QSM036V/ 38QSM036V	42QSM048V/ 38QSM048V	42QSM060V/ 38QSM060V
Power Supply		V,Hz,Ph	220~240,50/60,1			380-415,50/60,3	
Cooling (T1)	Capacity	Btu/h	18000	23500	34000	45000	54000
	Input	W	1450	1930	2740	3650	4400
	EER	Btu/W*h	12.41	12.17	12.41	12.33	12.27
	Current	A	6.8	9.0	12.0	5.9	6.9
Heating (T1)	Capacity	Btu/h	20000	28000	34000	50500	56000
	Input	W	1480	2180	2600	3700	4150
	COP	Btu/W*h	13.51	12.84	13.08	13.65	13.49
	Current	A	6.8	10.2	11.4	5.8	6.5
Indoor air flow (Hi/Med/Lo)		m³/h	1000/900/720	1400/1250/1000	2200/1850/1550	3000/2400/1950	3100/2950/2500
ESP	Rated	Pa	25	25	37	50	50
	Range	Pa	0~100	0~160	0~160	0~160	0~160
Filter		Type	Nylon filter	Nylon filter	Nylon filter	Nylon filter	Nylon filter
Indoor noise level (Hi/Med/Lo)		dB(A)	45/43/39	49/46/42	49/46/43	49/46/44	51/48/45
Indoor unit	Dimension (WxDxH)	mm	880x674x210	1100x774x249	1200x874x300	1200x625x380	1400x858x440
	Net/Gross weight	kg	25.2/30.9	30.2/37.4	42.8/51.0	55.9/63.7	72.7/84.3
Outdoor unit	Dimension (WxDxH)	mm	845x363x702	946x420x810	946x420x810	952x415x1333	952x415x1333
	Net/Gross weight	kg	41.2/44.7	55.3/61.7	66.5/71.9	94.0/107.2	97.0/110.2
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1.75	2.12	3.20	4.20	4.40
Design pressure		MPa	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm (inch)	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ19 (3/8"/3/4")	Φ9.52/Φ19 (3/8"/3/4")	Φ9.52/Φ22 (3/8"/7/8")
	Max. pipe length	m	30	50	65	65	65
	Max. difference in level	m	20	25	30	30	30
Ambient temperature	Cooling	°C	18-52	18-52	18-52	18-52	18-52
	Heating	°C	-7-24	-7-24	-7-24	-7-24	-7-24
Operation temperature		°C	17~30	17~30	17~30	17~30	17~30

18K - 24K - 36K



48K- 55K



Ducted Split Air Conditioner



* T1 Cooling Capacity and Energy Efficiency Ratio (EER) are based on ISO 5151 Standards at operating conditions : 35/24°C db/wb ambient Temperature. 27/19°C db/wb Indoor Temperature. High Air Flow

* T3 Cooling Capacity and Energy Efficiency Ratio (EER) are based on ISO 5151 Standards at operating conditions : 46/24°C db/wb ambient Temperature. 29/19°C db/wb Indoor Temperature. High Air Flow

* Systems comply with Safety Standards IEC 60335-2-40

* Carrier is committed for continuous improvement of Carrier products according to national and international standards to ensure the highest quality and reliability standards, and to meet market regulations and requirements.

* All specifications subject to change without prior notice according to Carrier policy of continuous development.

Inverter Technology

More Economical

Besides the compressor motor, both the indoor and outdoor fan motors are brushless DC type. Owing to the function of brushless DC motors, the 3D DC Inverter air conditioner gains higher efficiency and makes quieter operation which helps save more energy and enhance comfort.



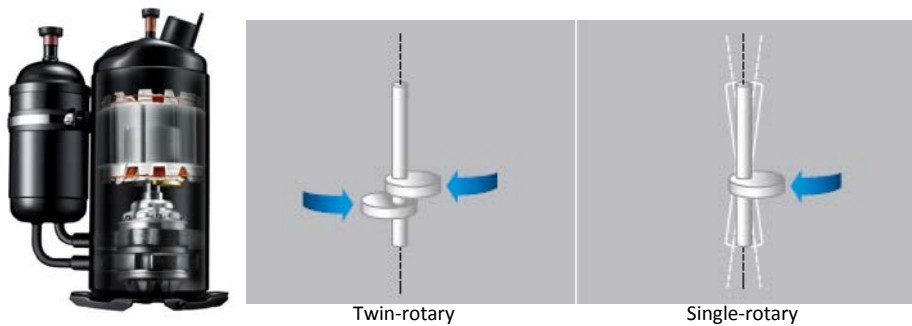
Twin-rotary Inverter Compressor

High Efficiency

Rotating with two rollers at the same time makes accurate compressor rotation with less energy loss. Great performance in part load which leads to a lower seasonal power consumption.

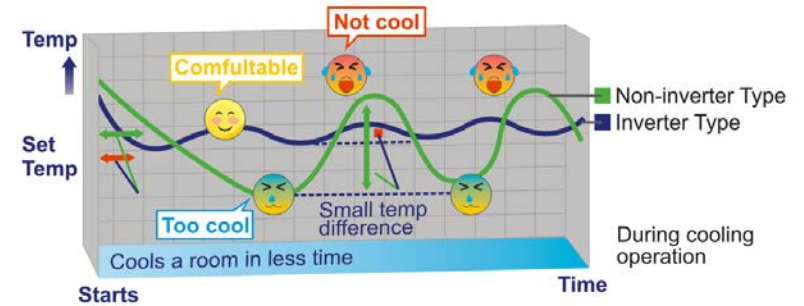
High reliability and lower noise

Deliver stable performance with less vibration.



More Comfortable

After quickly reaching the set temperature, Inverter air conditioner finely adjusts output power to maintain a constant temperature with minimal fluctuation, and guarantees a pleasant, comfortable environment.



More Powerful and Reliable

The advanced compressor and inverter control is designed to deliver comfortable, cooling air, even with outside temperatures as high as 60° C.



Control box cooling down system

Key Features

Ceiling concealed ducted split is the optimum air conditioning solution for places which require ceiling installation above false ceiling and minimum sound levels.

Its slim profile and flexible installation make this system the best choice for residential and light commercial applications where the units are practically hidden from view.

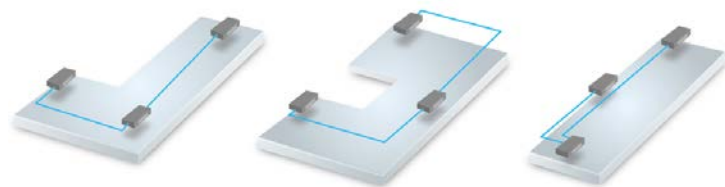
Modern Slim Design

Compact invisible indoor unit with ultra slim profile and low height, is suitable for low false ceiling applications.



Multi Air Outlets

The air duct can have multi air outlets, creating average cooling for various shapes of room.

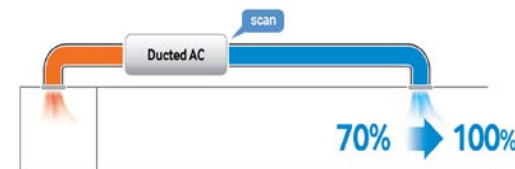


Easy and Flexible Installation

- After installation, it is possible the actual duct resistance is lower than expected at the time of designing. As a consequence, the air flow will be too high.
- With the automatic air flow adjustment function the unit can adapt its fan speed to a lower curve, so the air flow decreases. Instead to increase air flow if there is more resistance.

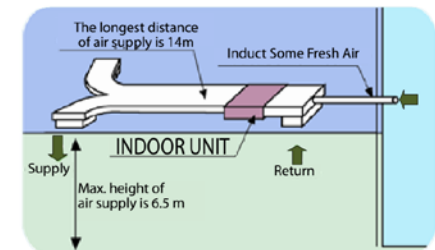
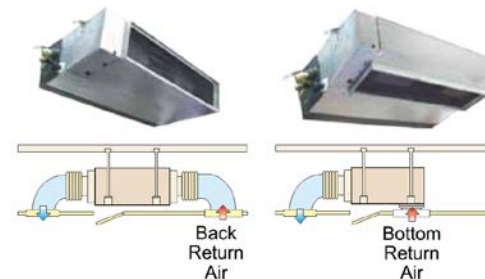


Reduce air flow if less resistance



Increase air flow if more resistance

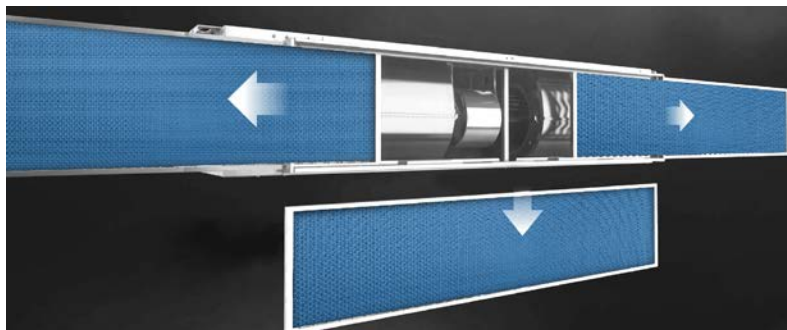
- Flexible two directions of air return (18K-24K-36K): Back air return (factory standard) and Bottom air return (can be done at field).
- High external static pressure design (48K-55K): suitable for Long Duct Connection.



Key Features

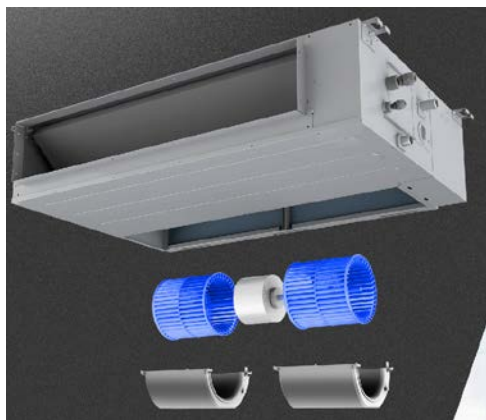
Easy Clean Filter

The filter can be pulled out from left, right, or from the bottom for easy cleaning.



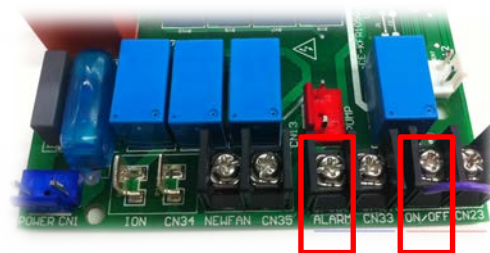
Easy Maintenance

Easy accessibility motors and fans on indoor unit for easy service and maintenance.



Easy Control

- Remote system alarm function which required for some applications such as computer rooms for fast and easy service and maintenance.
- Remote ON / OFF function provides more easy ON / OFF central control of ducted split system.



- Optional with different controls.

