

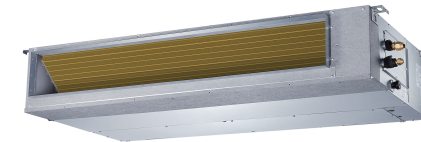


Technical Specification

R410A Split System

Indoor sale model			42QSM018VSG	42QSM024VSP	42QSM030VSP	42QSM036VSP	42QSM048VT	42QSM060VT
Outdoor sale model			38QST018VS	38QST024VS	38QST030VS	38QST036VS	38QST048VT	38QST060VT
Power supply		V,Hz,Ph	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	380-415V, 3N~, 50Hz	380-415V, 3N~, 50Hz
Cooling (T1)	Capacity	Btu/h	18000	24000	31000	36400	48000	54400
	Input	W	1480	1980	2480	2940	4000	4520
	Current	A	6.9	8.9	11.0	13.2	6.0	6.8
	EER	Btu/h/W	12.16	12.12	12.50	12.38	12.00	12.04
Cooling (T3)	Capacity	Btu/h	15200	21820	27300	32500	44900	49500
	Input	W	1720	2480	3100	3670	5100	5560
	Current	A	7.9	11.1	13.7	16.3	7.7	8.5
	EER	Btu/h/W	8.84	8.80	8.81	8.86	8.80	8.90
Heating	Capacity	W	5860	8200	9380	12000	15600	16600
	Input	W	1630	2300	2620	3100	4010	4460
	Current	A	7.3	10.5	12.0	13.9	6.0	6.7
	COP	W/W	3.60	3.57	3.58	3.87	3.89	3.72
Indoor air flow (Hi/Med/Lo) (under rated ESP)		m ³ /h	970/805/630	1365/1100/880	1420/1210/990	2250/1880/1360	2850/2430/1980	3370/2950/2470
ESP	Rated	Pa	25	25	37	37	50	50
	Range	Pa	0-100	0-160	0-160	0-160	0-200	0-200
Indoor noise level (Hi/Med/Lo) (under rated ESP)		dB(A)	43/39/34	40/38/36	43/40.5/38	49/46/43	50/47/44	50/47.5/45
Indoor unit	Dimension (WxDxH)	mm	880x674x210	1100x774x249	1100x774x249	1200x874x300	1200x625x380	1400x858x440
	Packing(WxDxH)	mm	1070x725x280	1305x805x305	1305x805x305	1405x915x365	1485x675x460	1605x910x515
	Net/Gross weight	kg	25.8/31	32.6/39.9	33.1/40.4	44.5/52.7	57/64.7	75.5/86.3
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Compressor Type			ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Outdoor unit	Dimension(WxDxH)	mm	710x710x843	710x710x843	710x710x843	710x710x843	740x740x843	740x740x843
	Packing(WxDxH)	mm	738x738x872	738x738x872	738x738x872	738x738x872	768x768x872	768x768x872
	Net/Gross weight	kg	53/57.5	60/64.5	71.0/75.5	71.2/75.7	99.3/104.4	99.8/104.9
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1.60	2.60	3.60	3.80	4.80	4.80
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/22mm(7/8in)
	Max. pipe length	m	25	25	30	50	50	50
	Max. difference in level	m	15	15	20	30	30	30
Controller			Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Room temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	0 ~ 60/-15 ~ 24	0 ~ 60/-15 ~ 24	0 ~ 60/-15 ~ 24	0 ~ 60/-15 ~ 24	0 ~ 60/-15 ~ 24	0 ~ 60/-15 ~ 24

18K - 24K - 30K - 36K



48K-60K



**Ducted Split Air Conditioner
-Top Discharge CDU**

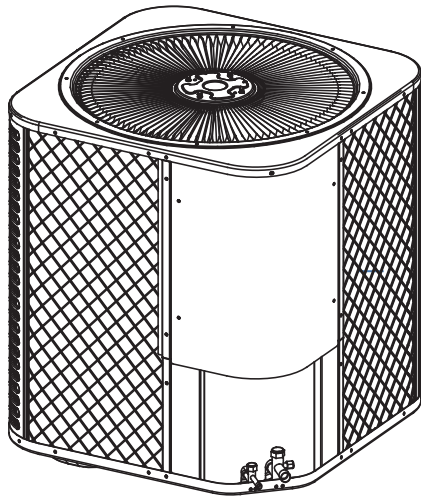


* Cooling(T1), Cooling(T3), Heating was tested under ISO 13253 standard.

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

Inverter Technology

Outdoor Unit Introduction



The outdoor units are top discharge type with flexible installation features. The units with weatherproof heavy gauge base are factory assembled, internally wired, fully charged refrigerant and 100% run tested to check cooling operation, fan rotation and control sequence before leaving the factory

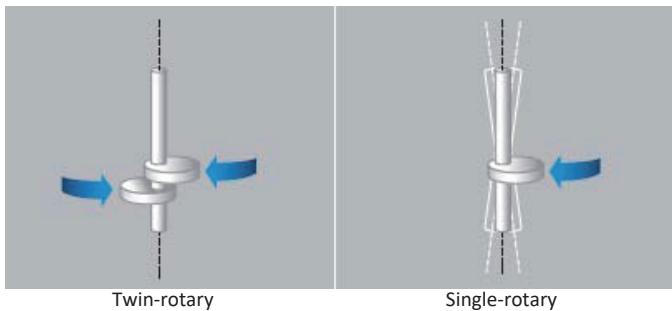
Twin-rotary Inverter Compressor

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.

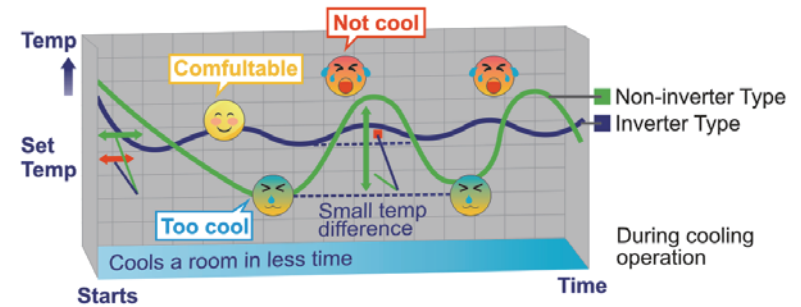


Twin-rotary

Single-rotary

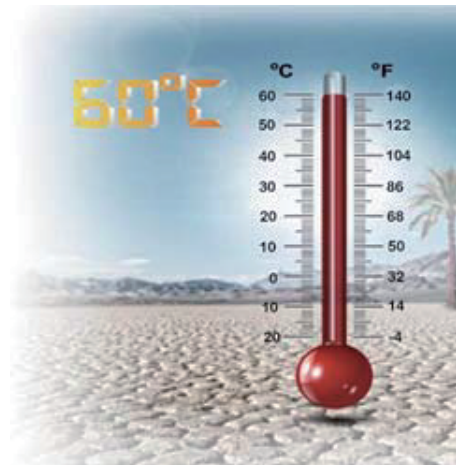
More Comfortable

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, as well as the electrical control box cooling down system, is designed to deliver comfortable, cooling air, even without outside temperatures as high as 60°C.



Control box cooling down system (refrigerant piping cooling)

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.

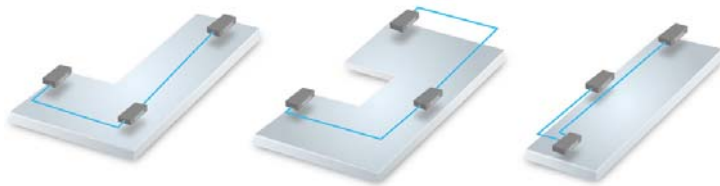
Modern Slim Design

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



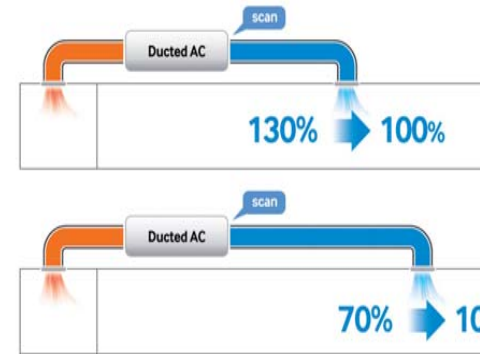
Multi Air Outlets

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

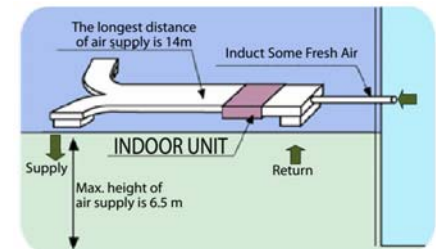
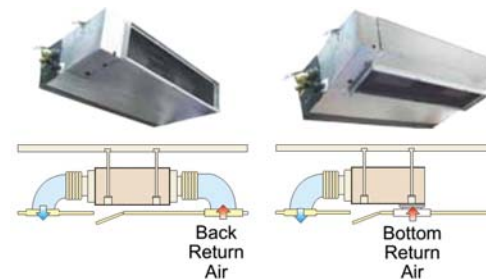


Easy and Flexible Installation

- 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.



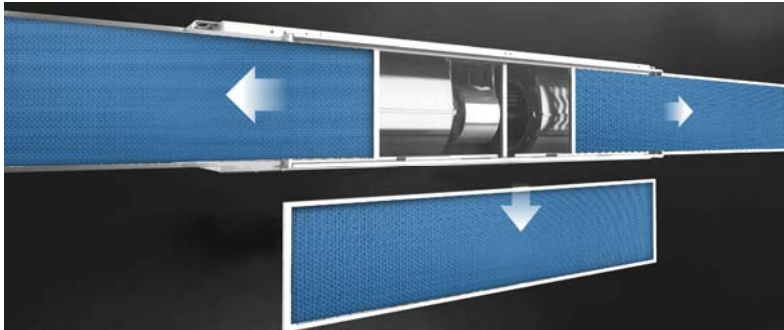
- Flexible two directions of air return (18K-24K-36K): Back air return (factory standard) and Bottom air return (can be done at field).
- High external static pressure design (48K-55K): suitable for Long Duct Connection.



Key Features

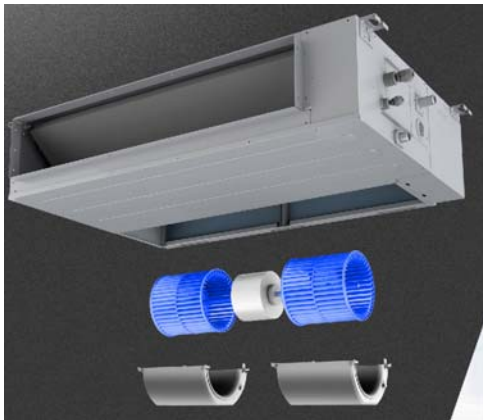
Easy Clean Filter

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



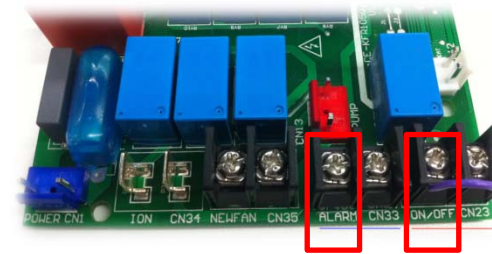
Easy Maintenance

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.

