

## Technical Specification

Model Number	FAN COIL UNIT (INDOOR)				COOL ONLY															
	42KSM018HSFN-1	42KSM024HSFN	42KSM030HSFN-1	42KSM036HSFS	42KSM048HTFS	42KSM060HTM-1	42KSM060HTM-1	42KSM060HTM-1												
Unit Size	1.5	2.0	2.5	3.0	4.0	5.0	5.0	5.0												
Rating Capacity at T1 condition	18000	24000	34000	39000	51000	56000	56000	56000												
Rating Capacity at T3 condition	16000	22100	30500	34500	46200	51200	51200	51200												
Power Supply	220-240V-1-50																			
Total Power Input* (Indoor + Outdoor)	1500	2020	2820	3260	4080	4800	4800	4800												
T1 EER*	1820	2440	3380	3950	5000	5960	5960	5960												
T3 EER*(46°)	1200	11.88	12.06	11.96	12.50	11.67	11.67	11.67												
Total Current Drawn* (Indoor + Outdoor)	8.79	9.06	9.02	8.73	9.24	8.59	8.59	8.59												
Air Filter type	8.1	10.9	15.6	19.3	9.3	9.8	9.8	9.8												
Air Flow Rate ( High/ Medium/ Low speed )	605.9/517.6/411.8	823.5/676.5/576.5	1288/1070/823	1294/1117/853	1666/1398/1155	1935/1652/1385	1935/1652/1385	1935/1652/1385												
Indoor Sound pressure Level (High/Medium/Low speed)	44/41/37	43/41/37	50/47/45	50/47/44	53/50/48	53/50/48	53/50/48	53/50/48												
Net Weight	25.5	31.2	44.8	44.0	56.5	56.5	56.5	56.5												
Dimensions ( W x D x H )	880x674x210	1100x774x249	1200x874x300	1200x874x300	1200x825x380	1200x825x380	1200x825x380	1200x825x380												
Pipe Connection Size	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8												
Liquid	1/2	5/8	3/4	3/4	7/8	7/8	7/8	7/8												
Suction	OD925	OD925	OD925	OD925	OD925	OD925	OD925	OD925												
Drain																				
CONDENSING UNIT (OUTDOOR)																				
Model Number	38KSM024HSFN				38KSM030HSFN-1				38KSM036HSFS				38KSM048HTFS				38KSM060HTM-1			
Power Supply	220-240V-1-50																			
Compressor Type	ROTARY																			
Refrigerant	R410A																			
Liquid Size	1/4				3/8				3/8				3/8				3/8			
Suction Size	1/2				5/8				3/4				3/4				7/8			
Max. pipe length	25				25				30				30				50			
Max. difference in level	15				15				20				20				30			
Recommended Wire Size/No. of wires for Power Supply to CDU or IDU	3X2.5mm <sup>2</sup>				3*2.5mm <sup>2</sup>				3*4.0mm <sup>2</sup>				3*4.0mm <sup>2</sup>				5*2.5mm <sup>2</sup>			
Recommended Wire Size/No. of wires for Control from FCU to Condensing Unit	4*1.5mm <sup>2</sup>				4*1.5mm <sup>2</sup>				4*1.5mm <sup>2</sup>				4*1.5mm <sup>2</sup>				4*1.5mm <sup>2</sup>			
Dimensions ( W x D x H )	845x363x702				946x410x810				946x410x810				900x350x1170				952x415x1333			
Net Weight	49.1				58.7				69.6				92.5				103.4			
Max Outdoor Air temperature operation	52				52				52				52				52			

\* 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.

18K - 24K - 30 - 36K



48 - 60K



Ducted Split Air Conditioner



## 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.

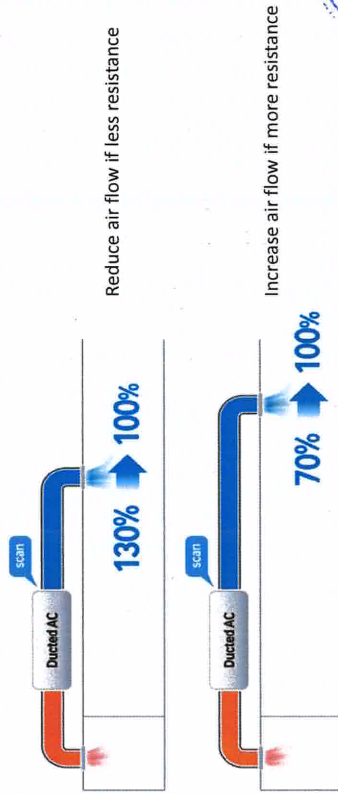
### Modern Slim Design

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

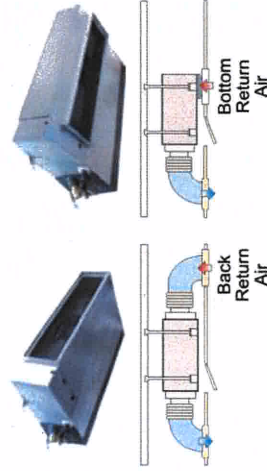


### Easy and Flexible Installation

- 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 ).

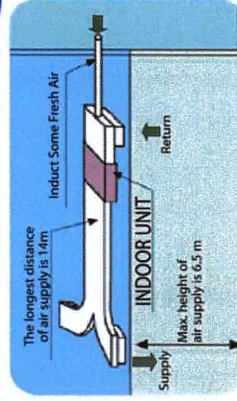


### Multi Air Outlets

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



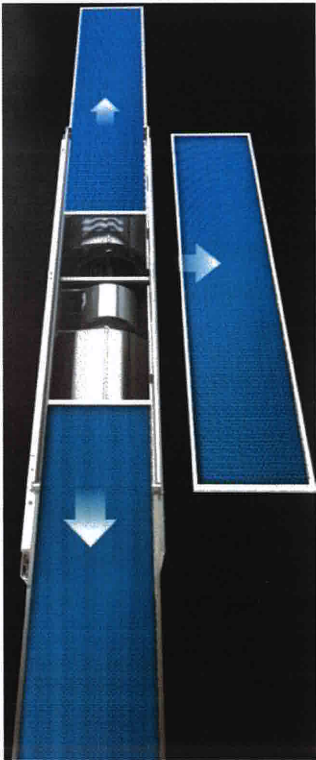
- High external static pressure design (18K-55K): suitable for Long Duct Connection.



## Key Features

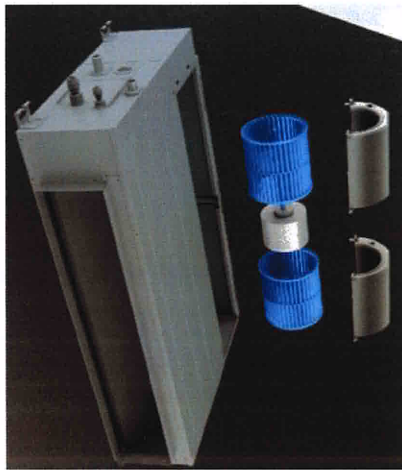
### Easy Clean Filter

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



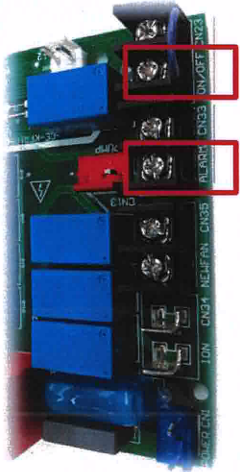
### Easy Maintenance

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.

