

Free Standing Unit 42SD/SM

Simple and sleek design

Features

Ideal for mosques, residential and commercial applications

Auto restart function

Improved aesthetics and slim indoor unit

Automatic air management function

Automatic moisture removal system

Anti-rust and weather proof

Low noise level



علامة الجودة الإماراتية
Emirates Quality Mark

Comfort



Technical specifications

Indoor Unit		Unit	COOL ONLY		
			42SM5CKA	42SD6CK	42SD7CK
Unit Size	Cooling	TR	3.0	4.0	5.0
Capacity at T1		BTU/h	35,000	46,000	56,000
		Watts	10,258	13,482	16,413
Capacity at T3		BTU/h	29,600	40,000	48,000
		Watts	8,675	11,723	14,068
Power Supply		V-Ph-Hz	220/240-1-50	380/415-3-50	
Total System Power Input (OU + IU) at T1	Cooling	Watts	3,957	4,150	4,570
Total System Power Input (OU + IU) at T3		Watts	4,405	5,150	5,770
EER at T1		Btu/W-h	8.58	10.37	10.25
EER at T3		Btu/W-h	6.81	7.35	7.33
Air Filter Type			1 step/ Dust Collector		
Air Flow Rate (High/ Medium/ Low Speed)		CFM	780 / - / -	1059 / - / -	1872 / - / -
Indoor Sound Pressure Level (High/ Medium/ Low Speed)		dBA	54.5 / - / 51.7	53 / 50 / 47	59 / 57 / 54
Net Weight		Kg	46	70	88
Dimensions (W x D x H)		mm	500 x 310 x 1800	580 x 1750 x 400	740 x 1800 x 440
Pipe Connection Size	Liquid	inch	3/8"	3/8"	3/8"
	Suction	inch	5/8"	3/4"	3/4"
	Drain	inch	5/8"	3/4"	3/4"
Outdoor Unit		Unit	COOL ONLY		
			38SM5CKA	38SD6CK	38SD7CK
Power Supply		V-Ph-Hz	220/240-1-50	380/415-3-50	
Compressor Type			Reciprocating	Scroll	
Refrigerant			R22		
Refrigerant Pipe (Max Length)	Vertical + Horizontal	mts	20	20	20
	Vertical (OU & IU)	mts	10	10	10
Recommended Wire Size/No. of Wires for Power Supply to Condensing Unit *		mm² / qty	4.0 / 2 + 1 Earth	4.0 / 4 + 1 Earth	
Recommended Wire Size/No. of Wires for Control from FCU to Condensing Unit *			1.0 / 3 + 1 Earth		
Dimensions (W x D x H)		mm	900 x 320 x 820	1130 x 945 x 433	
Net Weight		Kg	70	96	100
Max Outdoor Air Temperature Operation		°C	52		

1. T1 conditions: Indoor Air Temperatures 27°C (DB) / 19°C (WB) and Outdoor Air Temperatures 35°C (DB) / 24°C (WB)

2. T3 conditions: Indoor Air Temperatures 29°C (DB) / 19°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (WB)

* Recommended wire sizes are for reference & guidance only, all field wires should comply with National and International Electrical Codes

Carrier reserves the right to change features and/ or specifications without notice and without incurring any liability