

# Floor Standing

Decorative Unit



50Hz

R-410A  
REFRIGERANT



علامة الجودة الإماراتية  
Emirates Quality Mark



## Contents

Introduction.....	2
Standard Features.....	2
Unit Specifications.....	3
Dimensional Data.....	4
Typical Wiring Diagram.....	6

## Introduction

In early 1974, SKM commissioned pilot production of air conditioning and refrigeration equipment using British and American product designs and technology.

As part of SKM's policy of continuous product development, we completed an ambitious factory expansion program in 1984, and entered into a Licensing and Technical Agreement to manufacture most Standard Packaged and Ducted Split air conditioning units.

SKM decorative Floor Standing Type System are designed in accordance with G.C.C Market.

Today, SKM Air Conditioning equipment is totally indigenously designed, engineered & built at SKM Sharjah. We take pride in the continuous excellent performance of our units in the highly corrosive Gulf environments, and in other specific applications such as On Shore and Off Shore Oil Installations, Sewage Treatment Plants and Ammunition Depots etc

SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan. See back cover for details.



*You name it....We cool it*



**SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.**

## Standard Features

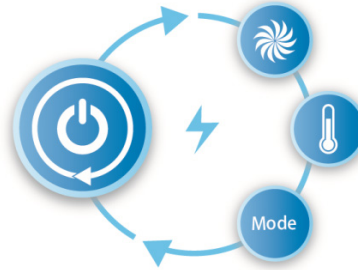
### Self Diagnosis and Auto Protection

Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast servicing.



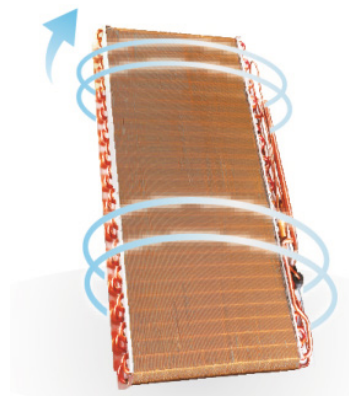
### Auto-Restart

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.



### Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements. And also effectively prevent bacteria breeding and improve heat transfer efficiency.





## Unit Specifications

Model		FSKMP	48CYMC10	60CYMC20
Power supply		V,HZ,Ph	380-415V,50Hz,3Ph	
Cooling (T1)	Capacity	Btu/h	48000	54000
	Input	W	4400	4520
	Rated current	A	8.50	8.00
	EER	Btu/h/W	10.91	11.95
Cooling (T3)	Capacity	Btu/h	43000	48000
	Input	W	5350	5550
	Rated current	A	9.50	9.32
	EER	Btu/h/W	8.04	8.65
Max. input consumption		W	6900	7000
Max. current		A	16	13
Starting current		A	72	64
Compressor	Type	SCROLL		
Indoor Fan Motor	Input	W	210	
	Speed(Turbo/Hi/Med/Lo)	r/min	600/580/530/480	600/580/530/510
Indoor Coil	Fin spacing	mm	1.4	
	Fin type (code)	Golden Hydrophilic Aluminium		
	Tube outside dia.and type	mm	Φ9.52,innergroove tube	
	Coil length x height x width	mm	484x813x66	
Indoor air flow (Turbo/Hi/Med/Lo)		m <sup>3</sup> /h	2396/2280/2055/1838	2400/2280/2050/1950
Indoor noise level (Turbo/Hi/Med/Lo)		dB(A)	58/57/54/51	58/57/54/53
Indoor unit	Dimension(W*D*H)	mm	610x390x1925	
	Packing (W*D*H)	mm	765x515x2070	
	Net/Gross weight	Kg	57.2/75.7	56.7/76.1
Outdoor Fan Motor	Input	W	162	142
	Capacitor	uF	3.5	5
	Speed	r/min	765	880
Outdoor Coil	Fin spacing	mm	1.4	1.3
	Fin type (code)	Golden Hydrophilic Aluminium		
	Tube outside dia.and type	mm	Φ7, innergroove tube	
	Coil length x height x width	mm	850x1113x40.11	985x1260x40.11
Outdoor noise level		dB(A)	62	61
Outdoor unit	Dimension(W*D*H)	mm	900x350x1170	952x415x1333
	Packing (W*D*H)	mm	1032x443x1307	1095x495x1480
	Net/Gross weight	Kg	89.6/100	112.6/126.6
Refrigerant	Type	R410A		
	Charge	g	3300	3800
Design pressure		MPa	4.8/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ22(3/8"/7/8")
	Max. refrigerant pipe length	m	50	
	Max. difference in level	m	30	
Connection wiring			4x1.0(Optional)	4x1.5
Plug type			5x2.5	
Thermostat type			Remote Control	
Operation temperature		°C	17-30	
Room temperature	Indoor(cooling)	°C	17-32	
	Outdoor(cooling)	°C	18-52	

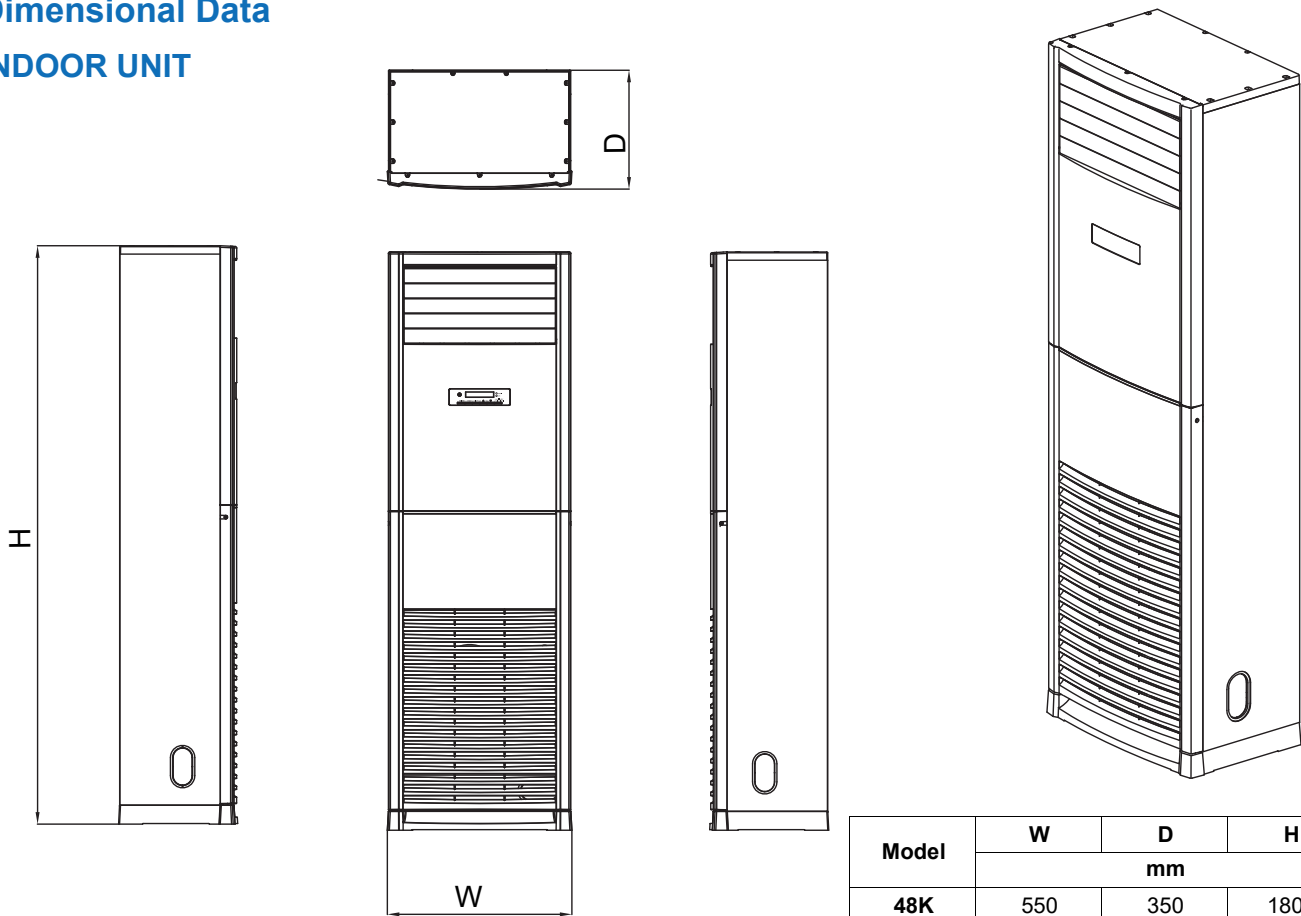
Table 1

### Note:

1. The design conditions for T1: 80.6°F/ 66.2°F (27°C/19°C) DB/WB indoor conditions and 95°F (35°C) DB ambient outdoor temperature.
2. The design conditions for T3: 84.6°F/66.2°F (29°C/19°C) DB/WB indoor conditions and 115°F (46°C) DB ambient outdoor temperature.

## Dimensional Data

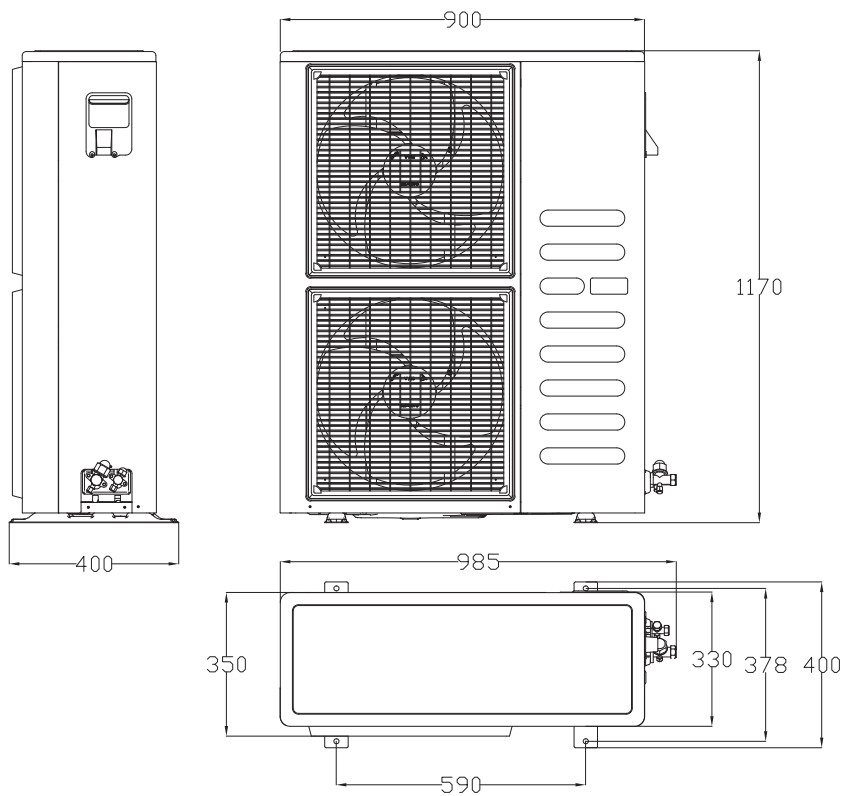
### INDOOR UNIT



Model	W	D	H
	mm		
48K	550	350	1800
60K	610	390	1925

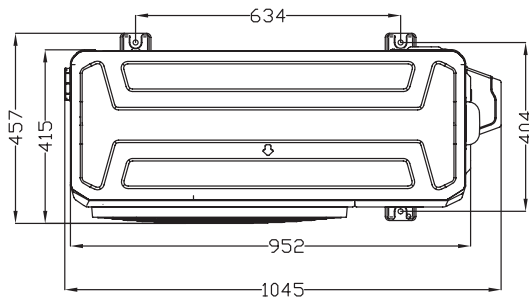
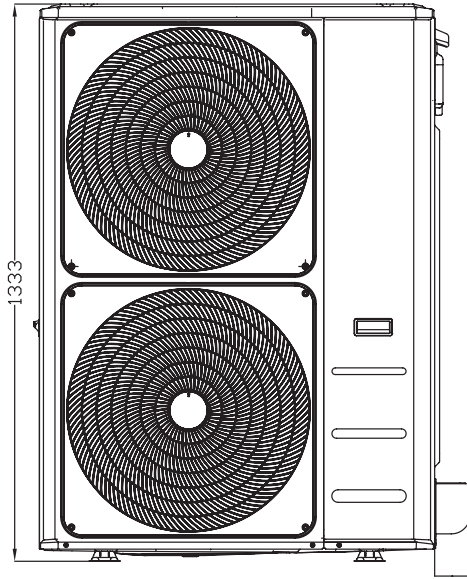
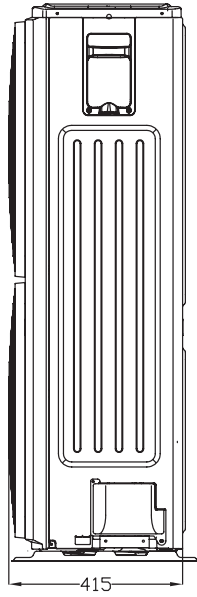
Table 2

### OUTDOOR UNIT - 48K

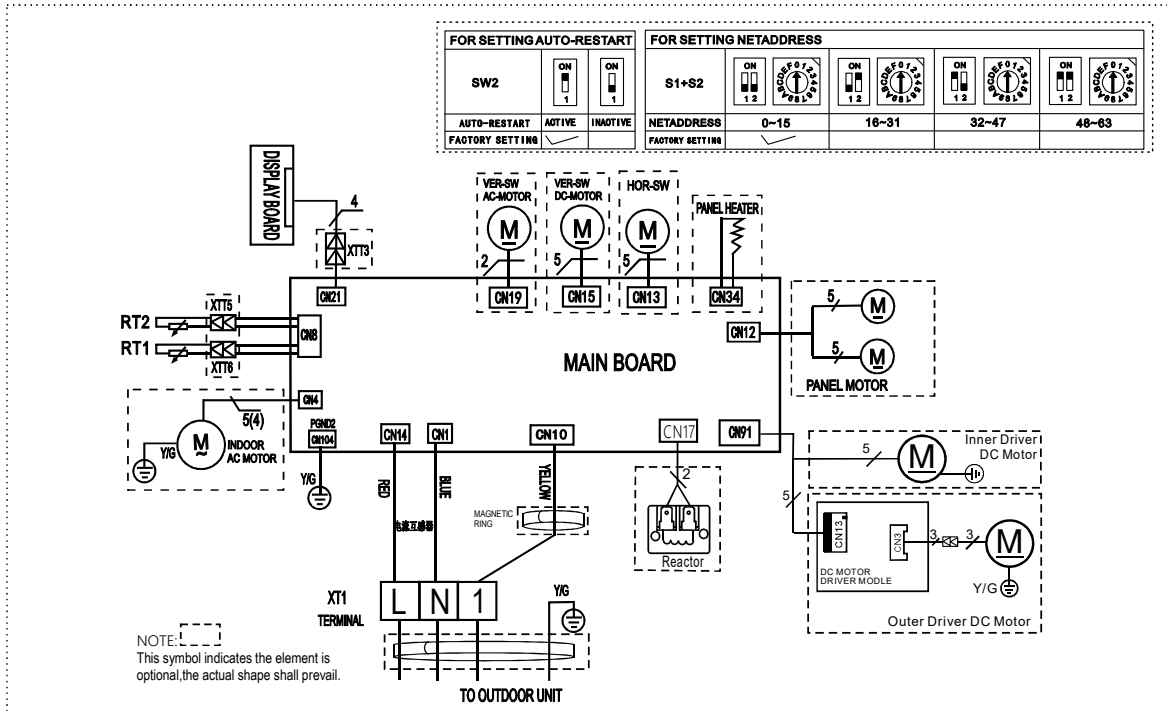




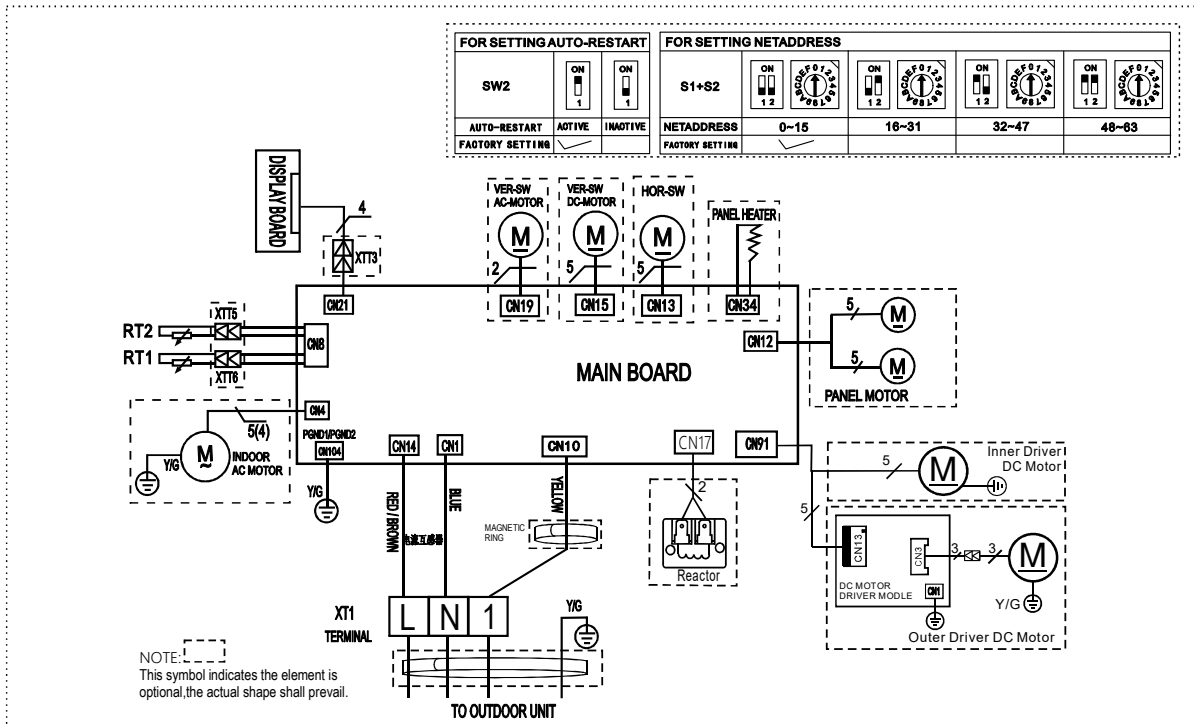
**Dimensional Data**  
**OUTDOOR UNIT - 60K**



## Typical Wiring Diagram INDOOR UNIT - 48K

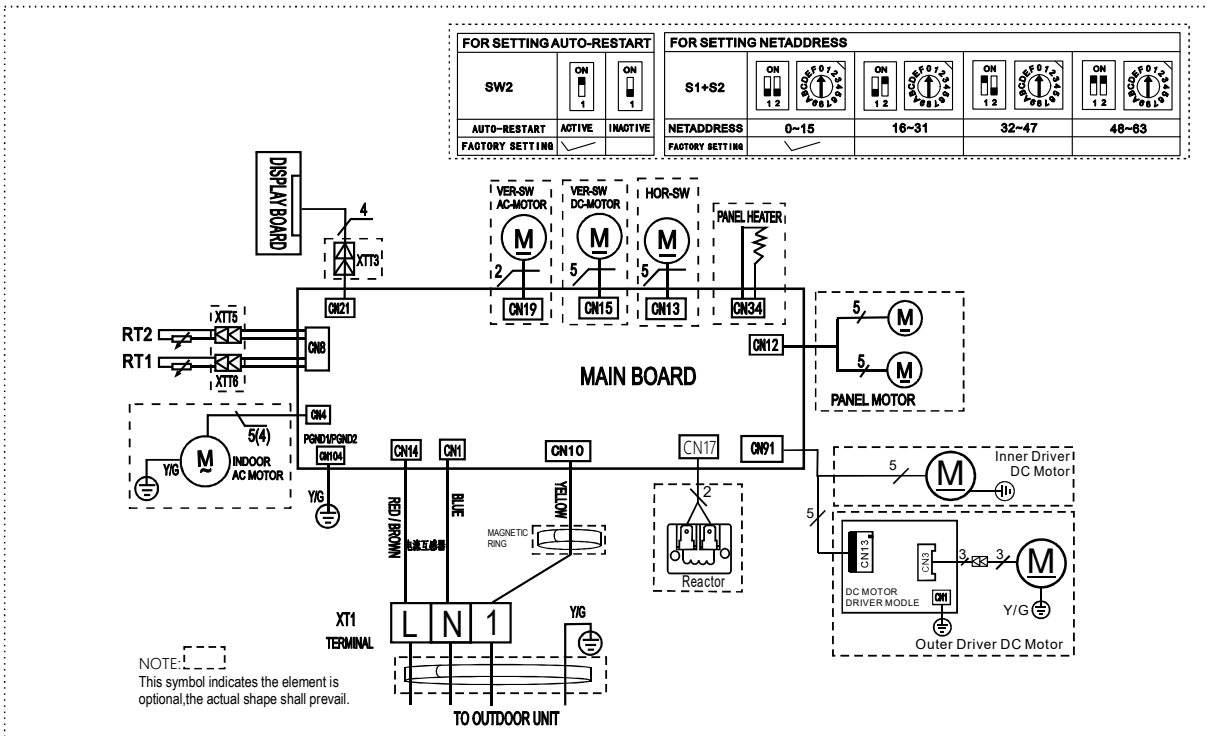


## INDOOR UNIT - 60K





## Typical Wiring Diagram INDOOR UNIT - 60K



## OUTDOOR UNIT - 60K

