



# S.K.M Air Conditioning LLC

## Spare Parts Catalogue



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@skmaircon



ISO 9001  
Quality  
Management  
Systems  
CERTIFIED

ISO 14001  
Environmental  
Management  
Systems  
CERTIFIED

ISO 45001  
Occupational  
Health and Safety  
Management  
Systems  
CERTIFIED



# HEAD OFFICE

Sharjah, UAE



S.K.M Air Conditioning LLC is a premier name in the air conditioning industry. Since its inception, SKM has demonstrated significant growth to become one of the leading manufacturers of HVAC equipment.

SKM offers superior quality HVAC products that are certified by globally recognised bodies like Eurovent, AHRI, TÜV and UL.



SKM products have demonstrated efficient working in various geographic locations, and it has provided solutions for many landmark projects across the region, justifying the slogan “you name it.. we cool it”.



# Index

Our Mission Statement	4
Our Product line	5
Compressors	6
Heat Exchangers	7
Electrical Accessories	8
Controls & PCBs	9
Blowers & Fan blades	10
Filters	11
Thermostats	12
Motors	13
Other Accessories	14
Valves	15
Ducting Materials	16
Pulleys, Belts & Bearings	17
SKM Regional offices	20

## OUR MISSION STATEMENT

### PROMISE OF QUALITY SERVICE

SKM Air conditioning has always believed in assured quality services in all our projects and services we undertake, be it a supply of equipment, spare parts, a project, installation or maintenance.

Our services not only end with fulfilling the customer's requirement of a request but we believe in taking our services a step forward with a continuous follow-up. This is the key to why our clients opted to deal with SKM time to time with new projects / requirement which helps SKM to acquire new clients from competitors.

The business of Air conditioning industry has grown with a tremendous speed in past few years and we believe this growth will continue with time.

SKM Air conditioning is fully equipped and prepared for market growth as we are in the forefront of the industry as market leaders. Our vision is, therefore, to sustain our position as market leaders and achieve our goals of setting standards and to satisfy our clients in every aspect of their requirement.

We sincerely hope to be at service to our clients today and in future in the supply of Air conditioning equipment & Spare parts.

SKM Air conditioning has been an HVAC manufacturer, spare parts and equipments supply company representing international brand components.

We take great pride in introducing ourselves as a leading manufacturer & supplier of HVAC equipment and spare parts.

SKM Air conditioning LLC holds inventory of major Air conditioning equipment spare parts.

Showroom Manager

# SKM Product Line



*Packaged Units*



*Chillers*



*Fan Coil Units*



*Mini / Ducted  
Split Units*



*VRF*



*Ducted Split Units*



*Air Handling Units*



*Air Cooled  
Condensing Units*

# Compressors

Wide range of compressors are available  
Screw, Discuss, Hermetic, Semi-hermetic, Reciprocating, Rotary & Scroll

Supplier: Danfoss  
Type: Hermetic Reciprocating  
Refrigerant: R-22, R-134a, R-407C  
Series: MT/MTZ  
Capacity Range: 5 HP to 13 HP

Supplier: Danfoss  
Type: Hermetic Scroll  
Refrigerant: R-22, R-134a, R-407C, R-410A  
Series: SH/SZ/SM/SY  
Capacity Range: 5 HP to 32 HP

Supplier: Copeland  
Type: Hermetic Scroll  
Refrigerant: R-22, R-134a, R-407C, R-410A  
Series: ZR/ZP  
Capacity Range: 5 HP to 32 HP

Supplier: Copeland  
Type: Semi-Hermetic Reciprocating  
Refrigerant: R-22, R-134a, R-407C  
Series: Discus  
Capacity Range: 10 HP to 60HP

Supplier: Copeland  
Type: Hermetic Reciprocating  
Refrigerant: R-22  
Series: CR/CK  
Capacity Range: 2 HP to 5 HP

Supplier: Bitzer  
Type: Semi-Hermetic Screw  
Refrigerant: R134a  
Series: CSH  
Capacity Range: 100 HP to 210 HP

Supplier: Hanbell  
Type: Semi-Hermetic Screw  
Refrigerant: R134a  
Series: RC2-B  
Capacity Range: 100 HP to 180 HP



**Danfoss**

**BITZER**  
HERMETIC REFRIGERANT COMPRESSORS

**Copeland**  
brand products

**DWM COPELAND**

**HANBELL**

**Bristol**  
compressors

**Maneurop**  
RECIPROCATING COMPRESSORS

**TECUMSEH**



# Heat Exchangers

Evaporator / Condensor Coil Manufactured, Shell & Tube Evaporator  
Heat Pipes, Heat Wheel & Pleated Heat Exchanger



Evaporator/Condenser Coils:  
Seamless Copper tubes mechanically  
bonded to aluminium/copper fins

Supplier: SKM  
FPI: 8, 10, 12, 14  
No of rows: 1, 2, 3, 4, 5, 6, 7, 8

Supplier: Alfa Laval  
Type: Direct Expansion Shell and Tube  
Evaporator  
Refrigerant: R134a, R407C, R22  
Series: DE, DX, PC  
No. of ref, circuits: 1, 2, 3, 4

Supplier: Onda  
Type: Direct Expansion Shell and Tube  
Evaporator  
Refrigerant: R410A, R134a, R407C, R22  
Series: MPE, LDE, LSE, HPE  
No. of ref, circuits: 1, 2, 3, 4

Supplier: Swep  
Type: Direct Expansion BPHE Evaporator  
Refrigerant: R410A, R134a, R407C, R22  
Series: V, S, P, DV, DS, DP  
No. of ref, circuits: 1, 2

Supplier: Onda  
Type: Shell and Tube Condenser  
Refrigerant: R134a, R407C, R22  
Series: CT  
No. of ref, circuits: 1

Heat Wheel  
Supplier: ECOFRESH  
Models: 600 to 3800  
Series: HRW SERIES(MS-270 & MS-200)

Supplier: ENVENTUS  
Models: 600 to 3800  
Series: HM &HX (200MM DEPTH)

 HISAKA



 ONDA

NOVELAIRE®

 Serck Services  
International  
Specialists in Heat Transfer Technology

 SWEP  
A SWEP COMPANY



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# Electrical Accessories

Contactors, Coil for Contactor, Control Relay, Overload Rely, Fuses, Fuse Carrier, Starters, Circuit Breakers, Timers, Transformers etc.

Item: Contactor  
Supplier: Danfoss, ABB  
Duty: AC-3  
No. of Poles: 3  
Coil Voltage: 24 V AC , 220-240 V AC 50/60 Hz

Item: Moulded Case Circuit Breaker  
Supplier: L & T , Schneider  
Type: Thermal Magnetic, Electronic  
No. of Poles: 3  
Utilization Category: A

Item: Miniature Circuit Breaker  
Supplier: Schneider  
Type: C-Curve  
No. of Poles: 1, 2, 3

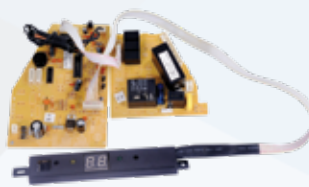
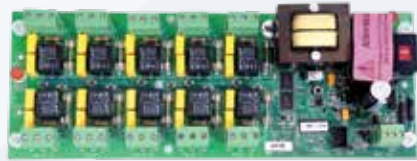
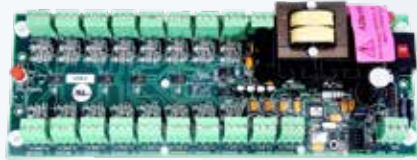
Item: Voltage Monitoring Module  
Supplier: Symcom  
Voltage Range: 190-480 V AC 50-60 Hz  
No. of Poles: 3





# Controls & PCBs

Magnum Master Board, IN/OUT Boards, Pressure Transducers, Temperature Sensors, Current Transformers, PCBs for Split units etc.



Item: Microprocessor  
Supplier: Micro Control System  
Model: MCS - 8 & Magnum

Item: Microprocessor  
Supplier: SIEMENS  
Model: Climatix , Logo & S7-200

Item: PCB  
Supplier: SATURN

**SIEMENS**

**MICRO  
CONTROL  
SYSTEMS**

**CAREL**

**SATURN**



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# Blowers & Fan blades

Belt Drive Centrifugal Fans (Forward, Backward, Backward Air Foil)  
Direct Drive Centrifugal Fan, Propeller Fan & Fan guards  
PVC Blower Wheel & Fan Blades

FANS  
Double Inlet Double Width(DIDW)  
Centrifugal.  
Forward Curved, Backward Curved &  
Backward Air Foil Type.

Supplier: NICOTRA  
Type: Forward Curved Blade  
Series: AT S, AT SC2  
Models: 7/7 up to 18/18  
Version: S, SC & SC2  
Series: ADH  
Models: 160 to 1000  
Version: R(E2), K(E4), K1(E6) & K2(E7)

Type: Backward Curved Inclined Blade  
Series: RDH  
Models: 200 to 1000  
Version: R(E2), K(E4), K1(E6) & K2(E7)

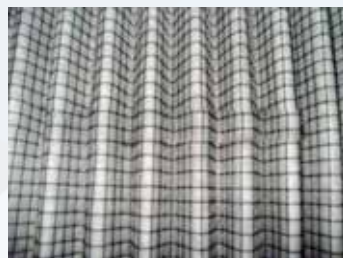
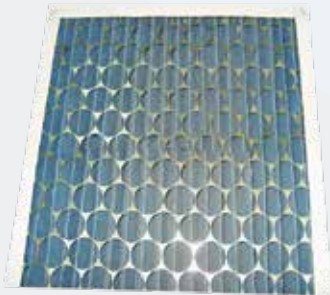
Type: Backward Air Foil Blade  
Series: RDA  
Models: 200 to 1000  
Version: R(E2), K(E4), K1(E6) & K2(E7)



& Other brands  
are available

# Filters

Bag Filters, HEPA Filters, Carbon Filters, Pleated Filter, Aluminum Filter etc.



Filter Type: Mini-Pleated Rigid Bag Filter  
Filter Selection: Excel V-Cell  
Efficiency: ASHRAE DUST SPOT (65% To 98%) & EN779( F6 To F9)  
DEPTH: 12"

Filter Type: Mini-Pleated Panel Filter  
Filter Selection: Excel C-Cell  
Efficiency: ASHRAE DUST SPOT (35% To 98%)  
DEPTH: 2" and 4"

Filter Type: Pocket Filter(Bag Filter)  
Filter Selection: Excel Poly Pac  
Efficiency: ASHRAE DUST SPOT (50%,65%,85%,95% & 98%)  
DEPTH: 22",30"and 36"

Filter Type: Pleated Media Filter with wire mesh support on both sides  
Filter Selection: CPIR  
Efficiency: G3 & G4  
DEPTH: 2" & 4"

Filter Type: Disposable type Pleated Panel filter  
Filter Selection: CDPSC,CDPHC & CDP60  
Efficiency: G4 & F5  
DEPTH: 2" & 4"

Filter Type: Hepa Filter  
Filter Selection: EXCEL HEPA HV-(Mini Pleat V Type high capacity filters)  
Efficiency: 95%,99.97%,99.99%,99.999%  
DOP  
DEPTH: 12"

Filter Type: Activated Carbon Panel type filter  
Filter Selection: EXCEL CARB CCGT Models  
Dwell Time: 0.1 Second  
DEPTH: 1" & 2"

Filter Type: Activated Carbon/Chemical Impregnated Granules filled deep Vee Shape.  
Filter Selection: EXCEL CACU  
Dwell Time: 0.1-0.2 Second  
DEPTH: 12",20" & 24"

Filter Type: Panel Filter  
Filter Selection: Aluminium & Synthetic  
Supplier: SKM  
Efficiency: G2 & G3  
DEPTH: 2"



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# Thermostats

Item: Thermostat

Supplier: ONYX

Type:

1 Stage Cool/ 1 Stage Heat, Single Speed Fan (24V)

2 Stage Cool/ 2 Stage Heat, Single Speed Fan (24V)

1 Stage Cool/ 1 Stage Heat, Three Speed Fan (230V)



## ENERSTAT



## FUJIKOKI

## SAGHAMIYA

# Motors

Condensor Motor: 0.37 KW - 2.2 KW  
Evaporator Motor: 0.37 KW - 45 KW  
Also available motors for Split & FCU units



Item: Motor  
Supplier: Siemens  
TYPE: 3 Phase Induction, TEFC, IP-55  
No. of Poles: 2, 4 & Multi pole

Item: Motor  
Supplier: ABB  
TYPE: 3 Phase Induction, IP-55  
No. of Poles: 6

Item: Motor  
Supplier: RPM  
TYPE: Permanent Split Capacitor (PSC)  
Single Phase Induction Motor

**SIEMENS**

**ABB**

# Other Accessories

Pressure Gauges, Pressure Switches, Air Flow Switch, Filter Drier, Core for Filter Drier, Mufflers, Vibration Eliminator, Safety cutout, Heaters

Item: Filter Drier  
Supplier: Alco, Sporlan, Danfoss, Sikelan, Sirici  
Type: Sealed or Replaceable core  
Connection type: Soldered, Flare  
Connection sizes: 3/8" to 1 5/8"  
Refrigerant: R-22, R-134a, R-407C, R-410A

Item: Pressure Gauge  
Supplier: LTR  
Pressure Range: (0-600 psi), (-30 in.Hg - 0 - 300 psi), (-30 in.Hg - 0 - 800 psi), (-30 in.Hg - 0 - 550 psi)  
Refrigerant: R-22, R-134a, R-407C, R-410A

Item: Vibration Eliminator  
Supplier: Henry  
Connection type: Soldered  
Connection sizes: 7/8" to 2 1/8"

Item: Hot Gas Muffler  
Supplier: Refrigeration Research, Henry  
Connection type: Soldered  
Connection sizes: 7/8" to 1 5/8"



**Danfoss** **SAGHOMIYA**

**SPORLAN** **ALCO CONTROLS**

**Danfoss** **SAGHOMIYA** **EMERSON**

**WEICCO**

& other brands  
are available



# Valves

Thermostatic Expansion valves, Electronic Expansion valve, Coils, Ball valve, Shut-Off valves, Packed valve, Motorised valves etc.



Item: Thermostatic expansion valve  
Supplier: Alco, Danfoss  
Capacity Range: 3 TR to 100 TR  
Type: Thermostatic, supplied with external equaliser & external superheat adjustment  
Refrigerant: R-22, R-134a, R-407C, R-410A

Item: Ball & Shutoff Valves  
Supplier: Henry, Danfoss, Alco  
Function: Manual control the flow of refrigerant  
Connection type: Soldered, Flare  
Sizes: 3/8" to 2 1/8"  
Refrigerant: R-22, R-134a, R-407C, R-410A

Item: Solenoid Valve  
Supplier: Danfoss, ALCO, SPORLAN  
Function: Electrically control the flow of refrigerant  
Connection type: Soldered, Flare  
Sizes: 1/2" to 1 3/8"  
Refrigerant: R-22, R-134a, R-407C, R-410A

*Danfoss*

  
**EMERSON**

# Ducting Material

Flexible Duct Connector, Stick-Up pins, Aluminum tape, Gasket tape, Black tape, Copper tube, Rubber insulation, Copper Fittings etc.

## Items:

Copper Tubes & Fittings , Flexible Duct  
Closed cell Polyfoam, Stick up Pins &  
Insulation Material.



# Pulleys, belts and bearings

Various sizes of Pulleys, Belts & Bearings are available



Item: Pulleys  
Supplier: MASKA & BROWNING  
TYPE: Fixed & Variable (1 Groove up to 5 Groove)

Item: Belts  
Supplier : Condor Mitsubishi  
TYPE: B, BX Type

Item: Bearings  
Supplier: SKF, INA  
TYPE: Pillow Block & Adaptor Bearing

**INR BEARING**



**BROWNING**



**NICOTRA**



**Condor**

**MASKA**

**BANDO**

**SKF**



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