OUR KEY PERSONNEL

THE MANAGING DIRECTOR AND OPERATIONS MANAGER

Mr. J. Thinagaran and Mr. S.Thiyagarajah, the managing director of MEGAA AIR COND ENGINEERING beings the business in 2008 with a dream to build it into a reputable company. A man of high caliber who believes in integrity, excellence and quality, Mr. J.Thinagaran and Mr. S. Thiyagarajh is the founder and the backbone of this organization.

Within the 4 years of experience in air-cond service, They is well versed with the demands and challenges of this business. They continues to push and spearhead this organization to higher level with uncompromising standards coupled with building block of dependability, thoroughness and reliability.

HISTORY AND BACKGROUND

- MEGAA AIR COND ENGINEERING was established in the year 2008 from humble beginning to become one of the top companies in the field of service.
- With more than 4 years' experience it's no surprise that MEGAA AIRCOND ENGINEERING is expert in the field. Almost every industry and household requiring Air-Cond service knows today the name MEGAA AIR COND ENGINEERING.
- It is the aim of MEGAA AIR COND ENGINEERING to provide the highest quality product with competitive pricing, excellent service and deliver the best customer satisfaction in the industry.

TYPES OF SERVICES

- Sales
- Supply & Installation of Air-Cond systems
- Dismantle & relocation
- Service chemical plus top up gas (complete).
- Servicing of versatile range of Air-Conditioning systems
- Maintenance and Repairing of versatile range of Air-Conditioning systems both commercial and industrial.
- Turnkey Contractors for Air-conditioning Systems.
  -Planning, design and procurement.

MEGAA AIR COND ENGINEERING provides after sales service for our customers, our trained technical personal area dispatched to rectify mistakes or any dissatisfactions of the customers has about the product sold.

Our Customer Service team monitors all customers' purchases and periodically sends out the technicians to conduct routine check and service the air conditioners when the need arises.

GENERAL SERVICE

General Service of air conditioner is needed to keep air conditioner equipment working in its best condition.
(Prevention is better than cure)

- Cleaning of evaporator coil
- Cleaning of condenser coil
- Cleaning of condensate drain pan
- Cleaning of condensate water drainage system
- Cleaning of blower wheel and blade
- Checking of all electrical component
- Checking of all setting
- Lubricating of all moving parts
- Checking of refrigerant system

NORMAL SERVICE

Normal Service is cleaning indoor cover, filter, wipe cooling coil and Clearing of water condensation drainage systems

- Clean air conditioner outer panel
- Clean air filter
- Check for refrigerant leakage
- Check unit for part deterioration
- Check system running condition
- Clean drainage pipe

CHEMICAL SERVICE

If air conditioner has been working for years without proper maintenance, then its time for have equipment to go for an overhaul or better known as chemical service.

- Dismantle evaporator unit for chemical cleaning
- Chemical cleaning of evaporator coil
- Cleaning of condenser coil
- Cleaning of condensate drain pan
- Cleaning of condensate water drainage system
- Cleaning of blower wheel and blade
- Checking of all electrical component
- Checking of all setting
- Lubricating of all moving parts
- Re-installation of evaporator unit
- Checking of refrigerant system
- Top up of refrigerant (R-22 gas)

DESIGN

The term design means to plan or fashion artistically or skillfully.

- **MEGAA AIRCOND ENGINEERING** provides a complete design, supply and installation service, plus we are always pleased to assist with specific design of specialist air conditioning and refrigeration services or system applications.
- Being totally independent and impartial we can offer unbiased advice on equipment, systems and manufacturers, pointing out the pros and cons specific to your building or required application.
- Design services are provided free of charge if we also supply and install systems, but we can sometimes offer free design advice.
- **MEGAA AIRCOND ENGINEERING** carries professional indemnity insurance to cover all its design work.
- If need to get a budget for a project we can normally provide a quick response with a design and budget cost proposal.

INSTALLATION

- **MEGAA AIRCOND ENGINEERING** installations are carried out to an extremely high standard, to specification, at quoted cost and in time.
- Because we are approved by almost all manufacturers, you are assured of a complete after sales service and most systems installed by us therefore are provided with a 5 year warranty as minimum.
- **MEGAA AIRCOND ENGINEERING** will also carry out refrigeration pipework systems, carrying out the design or size checking as well as pressure testing, evacuation and final commissioning of plant.

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TYPES OF AIR CONDITIONERS

There are various types of air conditioning systems. The application of a particular type of system depends upon a number of factors like how large the area is to be cooled; the total heat generated inside the enclosed area, Our designer would consider all the related parameters and suggest the system most suitable for your space.

Window Air Conditioner

Is the most commonly used air conditioner for single rooms. In this air conditioner all the components, namely the compressor, condenser, expansion valve or coil, evaporator and cooling coil are enclosed in a single box. This unit is fitted in a slot made in the wall of the room, or often a window sill.

Split Air Conditioner

The comprises of two parts: the outdoor unit and the indoor unit. The outdoor unit, fitted outside the room, houses components like the compressor, condenser and expansion valve. The indoor unit comprises the evaporator or cooling coil and the cooling fan. For this unit you don't have to make any slot in the wall of the room. Further, the present day split units have aesthetic looks and add to the beauty of the room. The split air conditioner can be used to cool one or two rooms.

Wall Mounted Air Conditioning System

Wall mounted air conditioning units are compact and lightweight, being only 20cm in depth. They require very small bore piping and are quick and simple to install. They provide adjustable airflow which can be controlled via remote control. These systems suit offices up to 60 square meters and are currently the most cost-effective solution but they may not be so efficient or effective in larger, open-plan offices.

Ceiling Suspended Air Conditioning System

Ceiling suspended air conditioning units are ideal for rooms without ceiling voids as they can be fitted to any normal ceiling. They can also be semi- recessed if a small void does exist. Air-flow can be set horizontally for maximum cooling or to a vertical position for heating.

Ceiling Cassette Air Conditioning System

Cassette air conditioning units incorporate the latest fan technology and are quiet and compact. Concealed within a ceiling void the air conditioning cassette exposes a grille of only 25 or 28mm in depth. They provide total control over air flow within the room, can introduced fresh as well as conditioned air, and are extremely quiet even at higher fan speeds. Other benefits are its very low noise levels, due to the reduced air velocity through the four sides which also helps reduce any draughts or dead zones. This type of air conditioning system is one of the most aesthetically pleasing and efficient available.

Floor Mounted Air Conditioning System

Slim low wall fully cased air conditioning units are especially suitable for areas such as partitioned offices. The units occupy very little floor space, and are ideal for siting against perimeter walls in open-plan offices, banking halls, retail sites and similar areas. The air con unit provides efficient cooling or heating and is fitted with an adjustable louver for uniform air distribution. Because these are wall-mounted air conditioning units, installation is not only extremely simple but can be done without spoiling existing decorations.

Thru Wall Air Conditioning System

This is a self-contained air conditioning system which requires a hole to be made in an external wall or window to accommodate. These systems are used in many applications where there is no location for an external condensing unit. Air return is done via the front facia and discharges the cooled air via a louver assembly on the front facia also.

Ducted Air Conditioning System

Whatever the shape of the room, ducted air conditioning units create uniform temperatures throughout. The aircond unit itself is totally concealed, usually within a ceiling void. Cool or warm air is then ducted into the room through diffusers discretely positioned in the walls, floor or ceiling. These units can also be connected to an outside air supply.
Being completely concealed, the duct unit operates without intruding upon the eye or ear.
Any style of air-diffuser can be used, greatly increasing the scope for attractive interior design within the room. Moreover, should the room layout be changed, the diffuser's position can easily be moved with the very minimum of disruption. Although they require more space than ceiling cassettes, ducts are simple to install. And for easy maintenance they are available with the option of a long-life washable air filter.

PRODUCT (Supply & Repairing)
Some of our major brands that we carry are as follows:

TOOLS EQUIPMENTS

- Metal tool box, 8 1/2" x 10" x 21" long, equipped with lock
- Green hard hat
- Green pants (Dickey style) 2 pair recommended
- Bastard file 12-14" and finish file
- Combination square
- Simple drawing compass
- 2 rolls of Teflon tape
- Ballpeen hammer
- 25' steel tape
- Torpedo level
- 24" level (wood or aluminum)
- Claw hammer (straight claw)
- 3/4" cold chisel
- 3/4" wood chisel
- 12" channel lock pliers
- 6" needle nose pliers
- 7" diagonal pliers
- Lineman's pliers
- Set of nut drivers
- 3/8" drive socket set
- 8" adjustable type wrench (crescent type)
- 12" adjustable type wrench
- Open end or combination wrenches (1/4, 5/16, 3/8, 7/16,1/2, 9/16, 5/8)
- 6" flat tipped screwdriver
- 10" flat tipped screwdriver
- #2 point Phillips screwdriver
- 18" pipe wrench
- 12" pipe wrench
- 12" hacksaw frame (Lenox) and three blades
- 6" center punch
- High speed drill bits (1/8, 3/16, 1/4, 5/6, 3/8)
- 2 extra 1/4" high speed drill bits
- 3 wood blades for the Jigsaw
- Spade bits (1/2, 3/4, 1, 1 1/4)
- Set of Allen wrenches
- Keyhole saw
- Pencil reamer
- Inspection mirror (sm. handheld)
- Changeable blade utility knife
- 1 can mapp gas
- 1 pound wire solder - silver bearing
- Flux brushes (3)
- 1" fitting brush
- 3/4" fitting brush
- 1/2" fitting brush
- 1 copper tubing cutter (to cut up to 1" copper)
- 1 midget tubing cutter (to cut up to 3/4" copper preferred)
- 1 vise grip 6" or larger
- 1 framing square
- Pocket calculator (including square root function)
- 1 roll plumber's sand cloth
- 1 3/8" electric drill or cordless
- 1 50' 14/3 extension cord

- Carpenter's pencil
- Chalk box
- 1 roll electrician's tape
- 2 sticks welder's soapstone and holder
- 2 aviator tin snips (1 red handle and 1 green handle)
- Stubby flat tipped screwdriver
- 1 5/16" magnetic hex driver for drill
- 1 1/4" magnetic hex driver for drill
- #2 Phillips bit
- 1/4" x 2" magnetized bit holder
- Gloves (1 pair of leather and 2 pair of Jersey 100% cotton)
- Flashlight with batteries
- 1 copper tubing flaring tool (1/4" to 5/8")
- 1 copper tubing swaging kit (1/4" to 5/8") OR
- 1 combination tubing flaring./swaging kit (1/4" - 5/8)"
- (16) ½" 90° solder elbows
- (8) ½" solder tees
- (4) ½" female x ½" solder adapters
- (4) ½" solder caps
- (10 ft.) ½" type M copper pipe - can be purchased locally
- (10) ¾" 90° solder elbows
- (2) ¾" x ½" 90° solder elbows
- (6) ¾"x ¾" x ¾" solder tees
- (5 ft.) ¾" type M copper pipe

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SAFETY EQUIPMENTS

The term "Equipment" covers any item intended for wearing or carrying by the worker with the aim of protecting him from one or more risks likely to cause injury or jeopardize health while at work, in addition to any item or accessory having the same purpose. Our technicians will use the following safety equipment

GOGGLES

- Our technicians will be equipped with goggles as a safety measure when they are welding.

GLOVES

- Gloves are issued to all technicians when they administer spraying of Chemical and other service.

SAFETY SHOES

- Safety shoes shall be worn in any workplace. The purpose of safety shoe usage in chemical is to protect the foot from slips, exposure to chemicals and falling objects.

SAFETY BELT

- To limit movement and positioning, restrict the worker to a safe area and help prevent a fall.

SAFETY HELMET

- To protect the head from falling and bumping against objects and to protect the head and hairs from exposure to any splash of chemicals at work place.

SAFETY HEARING

- Where extra protection is needed above what has been achieved using noise control, wear hearing protectors to reduce the amount of noise reaching the ears.