

Hammer

We build your dream

- Substation
- Transformer
- HT Switchgear
- LT Switchgear
- PFI Plant
- Elevator
- Generator
- Solar System
- Civil Engineering



www.hammerbd.com

Hammer

is one of the growing company with the products of Substation and its equipment as transformer, HT (Hith Tension) Switchgear, LT (Low Tension) Switchgear, PFI (Power Factor Improvement) Plant. Emphasing on valued clients Interest the Hammer sharply committed to meet the client's requirments in the most benefiting way Hammer pledge to use it's resoures effectively to solve the problem with the right and perfect solution formthe project with service. spare support system, integration or system man-agement and monitoring control. It always looking to go the extra step to ensure client's satisfaction with long term good relation. Hammer also ready to give service round the clock whole the week, whole the month, whole the year.

Hammer started making of world class Substation ie. Distribution and Power Transformer, Switchgear and its equipments incorporating with a number of high skilled, qualified and committed engineers and technicians. It,s engineers are closely related with government professional bodies, like DPDC, DCSCO, PDB, RFB and accordingly updating technologies with latest developments and also designed on requirements of valued customers.





SWITCHGEAR

HAMMER switchgear division is itself a complete unit with knowledge, experience, skills as well as mahineries and also test equipment.

HAMMER is Manufacturing-

- ☐ HT switchgear
- ☐ LT switchgear
- ☐ PFI Plant
- ☐ HT Metering Panel
- ☐ Control Panel, so on.

FEATURES OF SWITCHGEAR

- ▶ The Panel is equipped by high reliability and world class brand equipment
- ▶ Easy and smart operation
- ▶ Lookative, safe, dust and vermin proof casting.
- ▶ Standard clearance
- ▶ Perfect air ventilation
- ▶ Extra cooling system
- ▶ Powder coating painted



HT / HIGH TENTION SWITCHGEAR



High Tension Switchgear (HT) comprise the units designed for rated voltage of 12kv, 33kv current range 400A to 3200A. Switchgear insulation designed to withstand rated voltage is also subjected to over voltage due to lightning and breaker operation transients. Depending on the conditions switchgear installation are designed and manufactured for outdoor and indoor service. Suitable for mass production, transportation handling and convenient operation, the weight of the equipment is kept as low as practicable.

The LBS, VCB, SF6 circuit braker and the switchboards are of optimized design for local supply condition and ambient. This design ensures easy of operation, low cost maintenance and higher longevity.

The cubical design of 12kv, 33kv and 1250A is also compatible with our SF6 and Minimum Oil Circuit Breakers (MOCB). The Panels are fully compartmentalized and extensible on both side, consisting of busbar chamber with adequate air clearances, PT compartment, CT and cable termination compartment, breaker compartment and metering chamber.

TECHNICAL DATA

Rated voltage (V) : up to 11 kV/ 33 kV, 50 hz
Rated current (A) : up to 600/200 A
Rated currents of Circuit breakers : up to 3200 A

Rated peak withstand current

DIMENSIONS

Height : 600/800/1500/1800/2200 mm
width : 400/600/800/1000 mm
Depth : 400/600/800 mm

Main busbars : up to 176 kA
Dropper bars : up to 120 kA
Degree of protection to DIN / IEC: IP 40



LT/LOW TENSION SWITCHGEAR

HAMMER manufacturing fixed-mounted LT switchgears. Our LT switchgears are sheet steel clad with modular systems for assembly of cubicles intended to take heavy equipments, dust and vermin proof, free standing or against wall installation, single or double fronted arrangement and all-round steel enclosure, floor mounting indoor type, with TPN&E copper busbar. We prefer to use ABB, SIEMENS, Moller branded circuit breaker in our panels. But if it is prescribed other brand by the customer and it does not over rule the standards, we manufacture as per customer's requirements.

TECHNICAL DATA

Typical

Rated voltage (V)	up to 650V, 50-Hz
Rated current (A)	up to 7200A
Rated currents of components Circuit breakers	up to 6300A
Dol contactor starters	up to 400A
A Contactor type reverses	up to 400A
Contactor type star-delta starters	up to 700A



OVERALL DIMENSIONS

Preferred dimensions to DIN 41488 Sheet 2

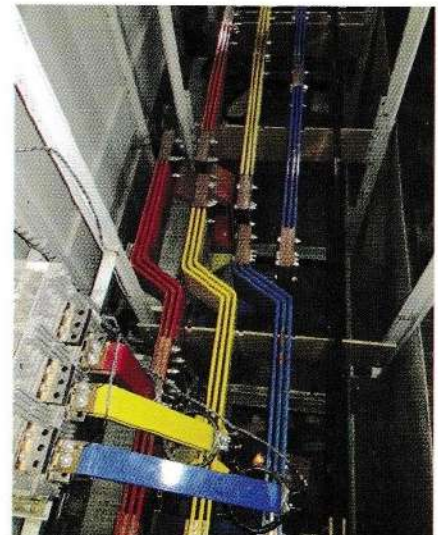
Height	1220/ 1500/1800/2200 mm
Width	400/600/750/800/1000 mm
Depth	400/600/800 mm

TESTS

All the breakers are subjected to routine tests as per IEC the panels along with the breaker are subjected to routine tests as per IEC before dispatch

INDOOR OR OUT DOOR CUBICLE

- ◆ Air insulated, metal clad construction using high quality steel.
- ◆ Durable epoxy powder coated finish.
- ◆ Computerized and compact design.
- ◆ Easy accessibility for maintenance.
- ◆ Meters, Relays and Controllers located at convenient height.
- ◆ Extensible on both sides.
- ◆ Side cable box for single panels.
- ◆ Compatible with state of the art numerical.





PFI PLANTS

HAMMER POWER FACTOR IMPROVEMENT (PFI) PLANTS are of-

- MODULAR DESIGN
- COMPACT ARRANGEMENT
- LOW LOSSES CAPACITORS
- HIGH RELIABILITY
- SMART OPERATION

Power factor correction is the switching of the capacitors in parallel with inductive loads in the network.

Motors, Transformers and other inductive loads require reactive power. Transmitting/distributing the reactive power from the power station to the loads is uneconomical. It imposes an undue burden on generators and transmission/distribution system, causes additional losses, increases voltage drop and the overall power requirement of the plant. HAMMER Power Factor Improvement (PFI) plant is well suited for this purpose.

DESIGN

Power Factor Improvement Plants are manufactured in modular design and consist of:

Relay Module

Capacitor Modules

The regulation module consists of:

Solid state reactive power relay with digital indication of power factor.

Circuit breaker for controllable protection.

The capacitor module consists of:

- High reliability
- Long life
- Harmonic load tolerance
- High temperature class
- Air break contactors to switch capacitors
- Metallized plastic foil
- High over load capacity
- Environment friendly insulating gas filled
- Touch proof terminals

CAPACITOR, HARMONIC FILTER

Relays are fitted with a specially developed Harmonic Filter device which will oversee the voltage dynamic.



Why do you choose **Hammer** Elevator System ?

We are a group of experts who work always with you to find innovative solutions and provide sufficient service.

We continue to provide best solutions by producing elevators which are suitable for every single shaft instead of providing shafts according to elevators.

We always provide you complete elevators both economic and advanced technology.

We do not fulfill only your needs, we meet your special requests with our elevators which are in different design and color. You should know that we are able to supply any type of elevator components that you may need for a complete elevator with competitive prices.

All elevator safety components are manufactured according to

TSE, EN, GOCT standards.

We make your work easier and faster by providing installation manuals and documents.

We respect humanity and nature by producing low energy consuming, quiet, and safe products.

We serve our customers in global standards with help of our multilingual customer services.

Our Elevator is always ready to provide you technical support with its expert staff whenever you need.

Our warranty period.

Our complete elevators and spare parts are covered by 2-year manufacturer's warranty.

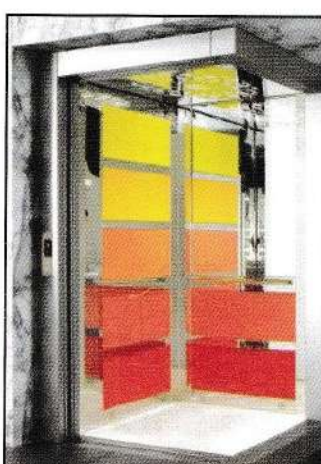
CABIN



HAM 101



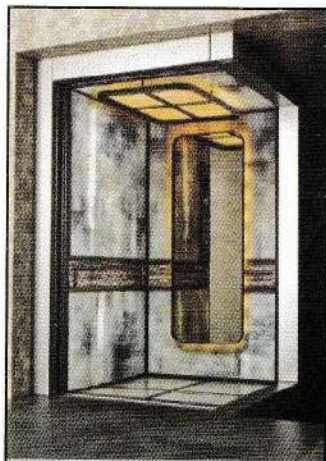
HAM 102



HAM 103



HAM 104



HAM 105



HAM 106

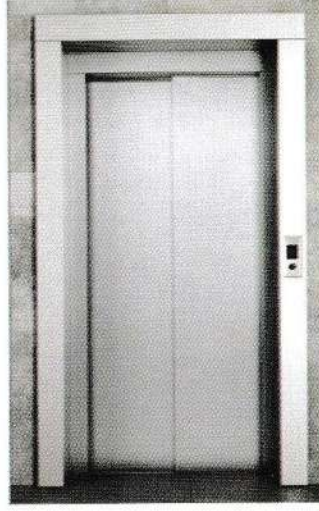
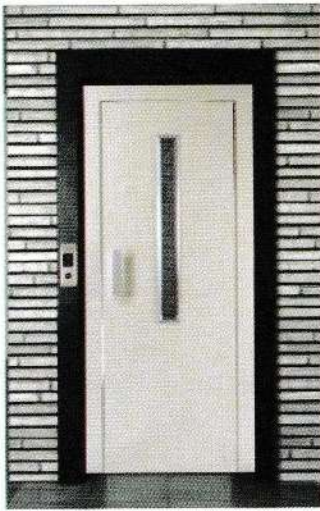


HAM 107



HAM 108

DOORS



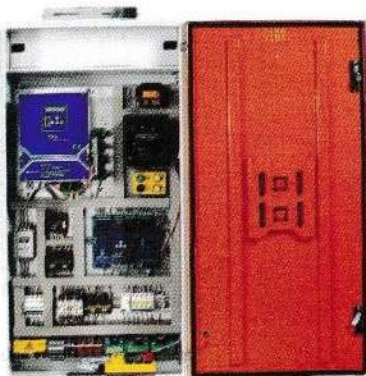
MACHINE MOTORS



BUTTONS



CONTROLLER SYSTEMS

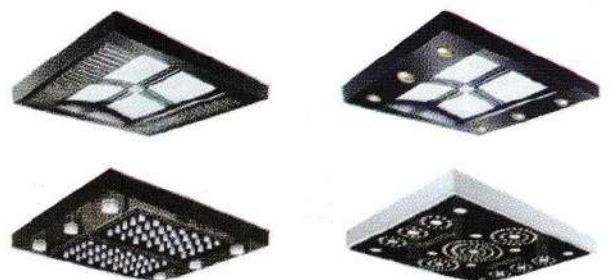


Controller For MRL (Gearless) System
Machine Room

AVR



ELEVATOR CEILING LIGHT



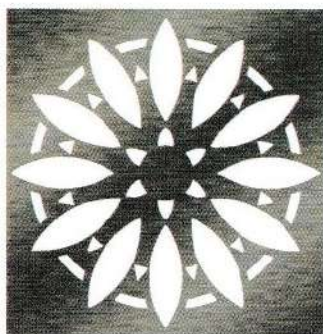
COMPONENTS



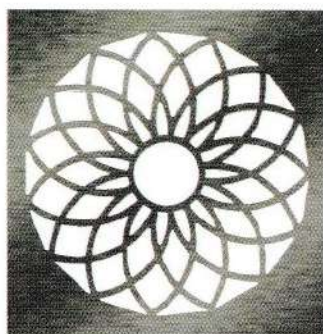
ESCALATOR



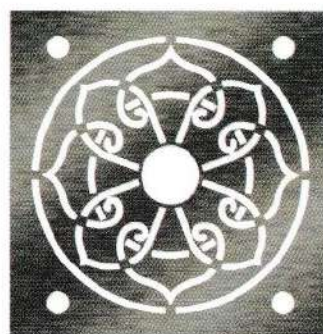
Decorative Ceilings



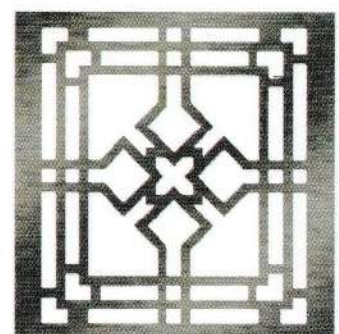
HM 201



HM 202

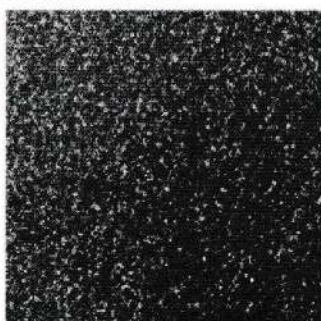


HM 203



HM 204

Granite Floors



HM 301



HM 302



HM 303



HM 304

GENERATORS

Electric Power, a versatile energy source is vital to a Nation's growth. Rapid industrialization and the need to be constantly connected have led to a huge demand for uninterrupted, reliable electric energy. From comfort in our houses, to business needs, to hospitals to industries, we all depend on uninterrupted power supply to support our Lives & lifestyles. Generator Sets remain the favored option for standby and emergency power systems- worldwide.

For over a decade. We, **Hammer** can take responsibility to supply high quality, reliable, eco-friendly power generation solutions and round the clock service anywhere in Bangladesh.

At **Hammer** customer delight is our commitment - nothing else matters!



VOLVO

 **Perkins®**

KOHLER®

Solar Power System

Solar Power System is one of the alternate power now in Bangladesh. Hammer supply all rating solar power system.

Why Solar?

- ◆ Simplest form of renewable energy
- ◆ Exists perpetually and inexhaustible
- ◆ Long life time and maintenance free
- ◆ Short pay back period
- ◆ Friendly for environment and eco system

Why Chose **Hammer**?

- ◆ DESCO, DPDC, REB & PDB Approved Solar System
- ◆ Most cost effective solution
- ◆ Technologically advanced products
- ◆ Experienced technical support
- ◆ Long time Service after sales



Hammer

We build your dream

A Sister Concern of

AK POWER
ENGINEERING
Total Power Solution



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