

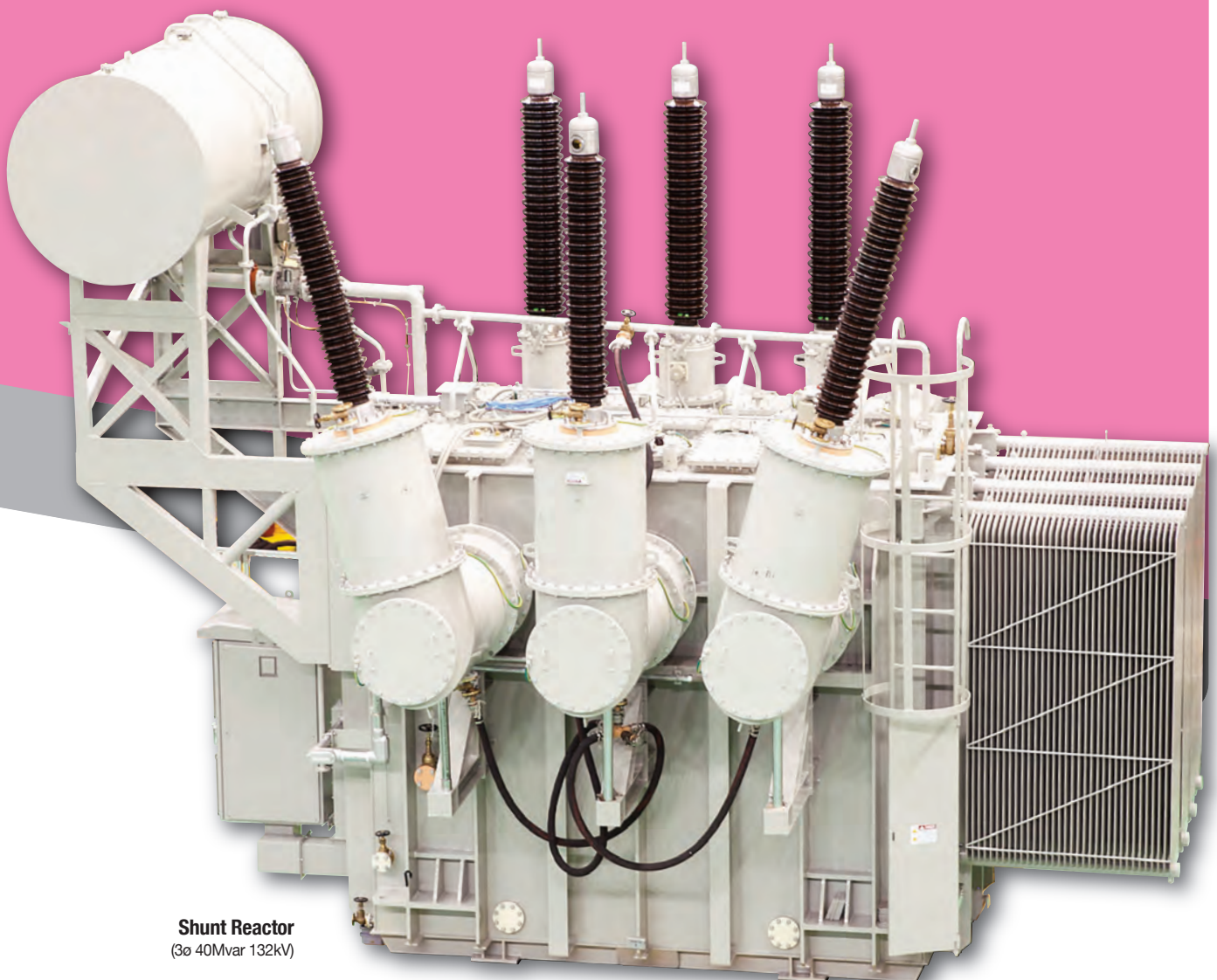
Shunt Reactor

Type of Shunt Reactor[○]

Shunt reactor is classified into gapped-core type and air-core type. Our shunt reactors are gapped-core type because the type of design requires less material and is relatively smaller than that of the air-core type. And also, the gapped-core type has less total losses.

Benefits[○]

- Improve the stability and efficiency in transmission line
- Optimized design for high performance
- Equipped with the most advanced manufacturing and testing facilities
- Quality control in every process of manufacturing
- Low noise
- Long service life
- Compliance with relevant international standards
- Easy maintenance
- On-time delivery



Shunt Reactor
(3ø 40Mvar 132kV)



Standards

Hyundai rotating machines have been supplied and tested in accordance with worldwide classification societies such as IEC, Electrical MotMA, EN, API, BSI, AS, IS, KS, JIS, and IEEE, JEC for industrial application and Lloyd, ABS, DNV and KR for marine use as well.

Application

To improve the stability and the economic efficiency of power transmission, shunt reactor installation is becoming more popular in power transmission lines. Furthermore, shunt reactor has become important due to recent tendency of high voltage, a long distance transmission line and underground cable.

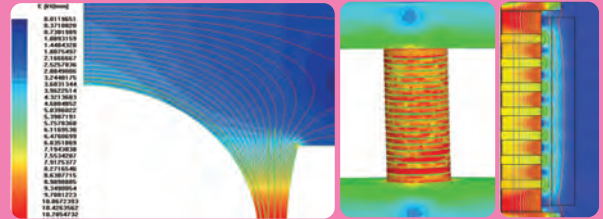
And also, they are necessary to prevent the self-exciting phenomena of generator and the over-voltage phenomena at each receiving end under light-load condition because of the presence of static capacitance in the power transmission line.



Iron Core Divided by Air Gaps



Active Part



Electro Magnetic Analysis

Quality Assurance

We are dedicated to supplying the best quality products and services for our clients. We have developed our own quality assurance program to comply with ISO 9001 as required by the International Organization for Standardization (ISO) in order to assure that HHI products are designed, manufactured, inspected, tested and delivered in the most efficient manner.

Production Range

- Capacity : Up to 400Mvar
- System voltage : Up to 765kV