



HCSP Series for 245kV 63/80kA

Gas Circuit Breaker



HICO is a World Leader in SF₆ Gas Circuit Breaker technology serving our customers needs.

Our experience in the field of Gas Circuit Breaker technology, our innovative designs, our comprehensive quality management system certified by ISO 9001 & ISO 14001 and our exemplary clean-room manufacturing facilities ensure that our circuit breakers satisfy our customers highest demands while achieving the required levels of economic efficiency and environmental compatibility.

General

The HCSP breaker is designed SF₆ gas insulated, which features excellent arc-extinguishing performance and high dielectric strength.

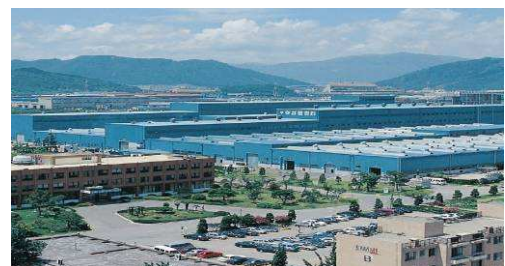
The breaker consists of single-phase isolated steel or aluminum tanks and is operated by our high quality, reliable spring mechanism.

Standard Features

- Dead tank design
- Individual pole operation
- One breaker of single puffer per pole
- Reliable spring operating mechanism
- Two-cycle interrupting time
- Single phase enclosed
- Operating pressure (79psig @ 20 °C)
- Porcelain or Composite bushings
- ASME pressure vessel certification for unfired pressure vessels
- Exterior bushing current transformers
- Design tested to meet or exceed ANSI/IEEE standards

Options and Accessory

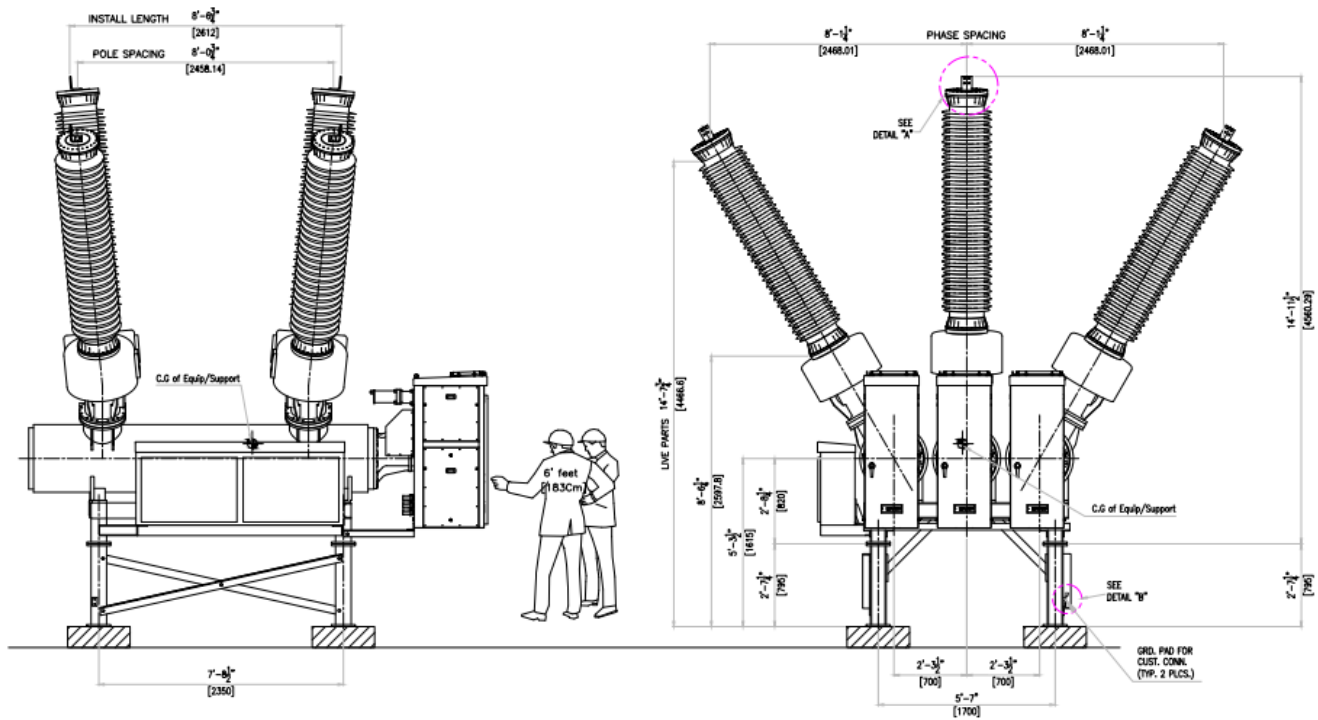
- Tank Heaters for low temperature application (below -30C)



Overview of HICO factory in KOREA



Technical Details 245kV 63 / 80kA



Type	HCSP-248A
Voltage (max kV)	245
BIL (kV Crest)	1050
60 Hz withstand (kV)	425
Continuous Current (A)	1200/2000/3000/4000
Interrupting Current (kV)	63/80
Interrupting Time (cycles)	2
2μs Chopped wave (kV Crest)	1160
External Capacitor(pF)	10000 pf
Total Weight (lbs / kg)	14,991 / 6,800
Weight of SF6 (lbs / kg)	386 / 175

80kA requires 10,000 pF external capacitors for 90% short-line fault performance.

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