



HCBP Series for 362kV 50/63kA

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

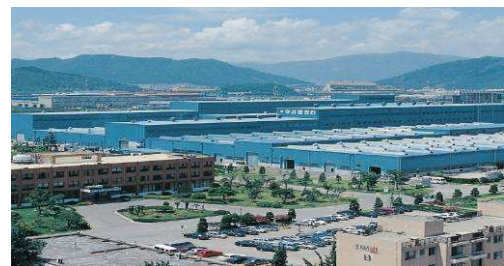
The breaker consists of isolated single-phase steel tanks and is operated by our high quality, reliable pneumatic mechanism.

Standard Features

- Dead tank design
- Single pole operation
- One breaker of single puffer per pole
- Reliable pneumatic operating mechanism
- Two-cycle interrupting time
- Single phase enclosed
- Operating pressure (72psig @ 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 standard

Options and Accessory

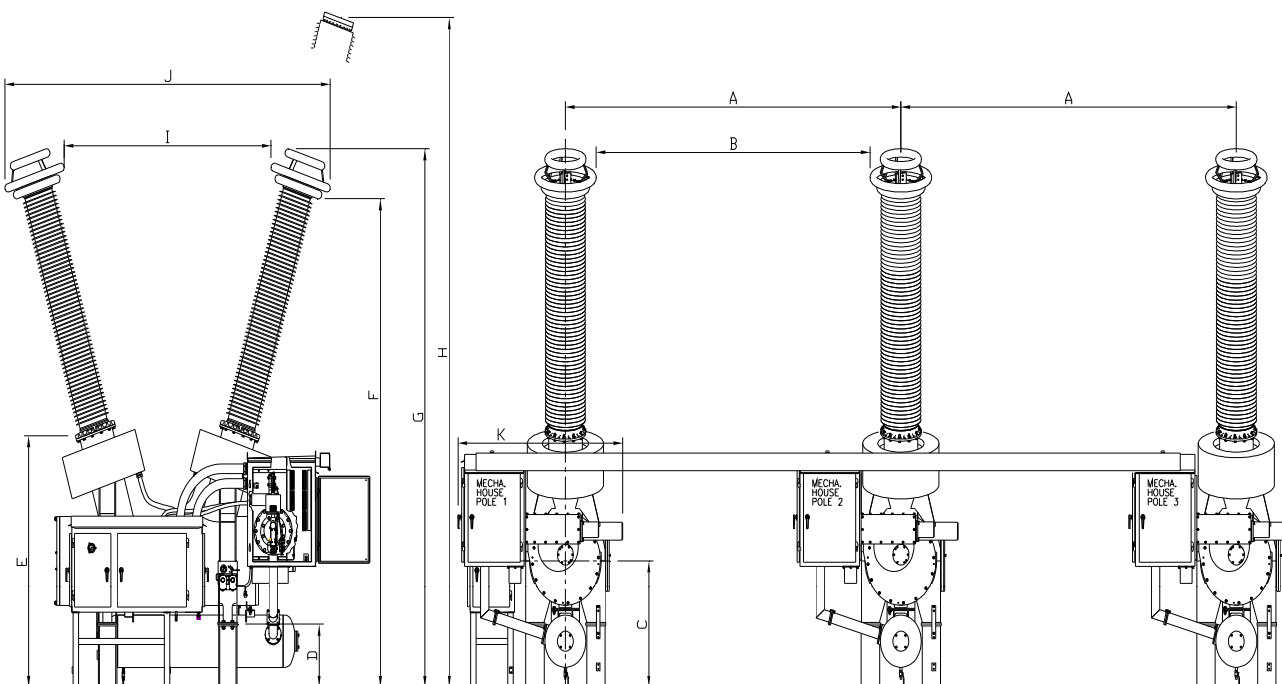
- External capacitor for 63kA (2,000 pF)
- Tank Heater for low temperature application
- Pre-insertion resistor for synchronous closing



Overview of HICO factory in KOREA



Technical Details 362kV 50/63kA



►► Technical Data

Dimension in inches						
A	B	C	D	E	F	G
187"	147"	53"	27"	106"	206"	227"
H	I	J	K			
282"	111"	174"	88"			

Type	362 HCBP 50	362 HCBP 63
Voltage (Max kV)	362	362
BIL (kV Crest)	1300	1300
60Hz withstand (kV)	555	555
Continuous Current (A)	2000/3000/4000	2000/3000/4000
Interrupting Current (kA)	50	63
Interrupting Time (cycles)	2	2
2 μ s Chopped wave (kV Crest)	1680	1680
Total Weight (lbs / kg)	43,000/19,500	43,000/19,500
Weight of SF6 (lbs / kg)	687/312	687/312

▣ 63kA requires 2,000 pF external capacitors for 90% short-line fault performance.

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