



HCBH Series for 245kV 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 HCBH breaker is designed SF₆ gas insulated, which features excellent arc-extinguishing performance and high dielectric strength.

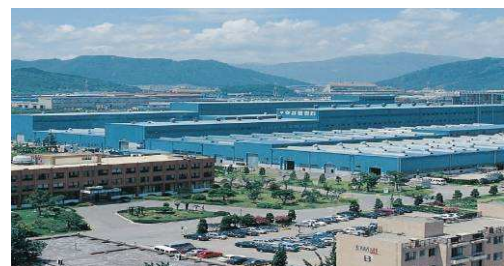
The breaker consists of single-phase isolated steel or aluminum tanks and is operated by our high quality, reliable hydraulic mechanism.

Standard Features

- Dead tank design
- Three pole operation
- One breaker of single puffer per pole
- Reliable hydraulic operating mechanism
- Three-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
- Shipped fully assembled
- Design tested to meet or exceed ANSI standard

Options and Accessory

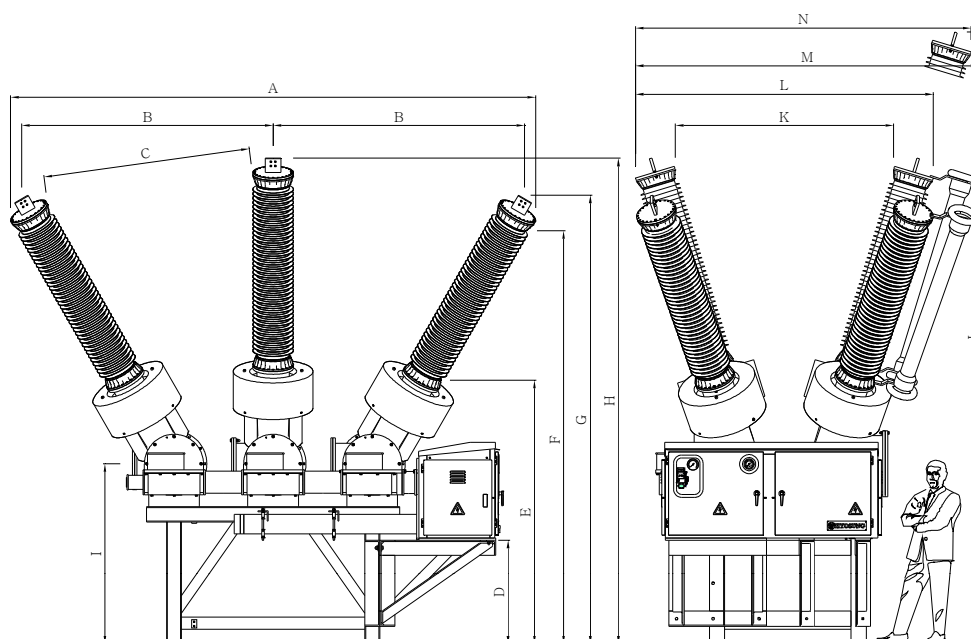
- External capacitor for 63kA (5,000 pF)
- Tank Heater for low temperature application



Overview of HICO factory in KOREA



Technical Details 245kV 50 / 63kA



►► Technical Data

Dimension in inches			
A	204"	H	189"
B	98"	I	70"
C	81"	J	238"
D	40"	K	85"
E	103"	L	116"
F	161"	M	134"
G	175"	N	131"

Type	245 HCBH 50	245 HCBH 63
Voltage (max kV)	245	245
BIL (kV Crest)	900	900
60Hz withstand (kV)	425	425
Continuous Current (A)	1200/2000/3000	1200/2000/3000
Interrupting Current (kV)	50	63
Interrupting Time (cycles)	3	3
2 μ s Chopped wave (kV Crest)	1160	1160
External Capacitor(pF)	-	5,000
Total Weight (lbs / kg)	12,100 / 5,500	12,450 / 5,650
Weight of SF6 (lbs / kg)	192 / 87	192 / 87

■ 63kA requires 5,000 pF external capacitors for 90% short-line fault performance.

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