



World Leader in High Voltage Transmission Equipment

HICO AMERICA
HYOSUNG HEAVY INDUSTRIES CORPORATION

HCSP Series for 145kV 40kA

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

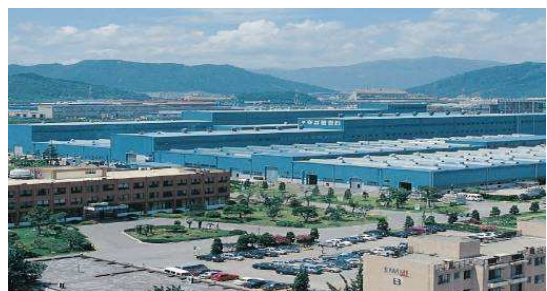
The breaker consists of isolated single phase cast aluminum tanks, and is operated by our high quality, reliable spring mechanism.

Standard Features

- Dead tank design
- Three pole operation
- One breaker of self-blast per pole
- Reliable spring 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

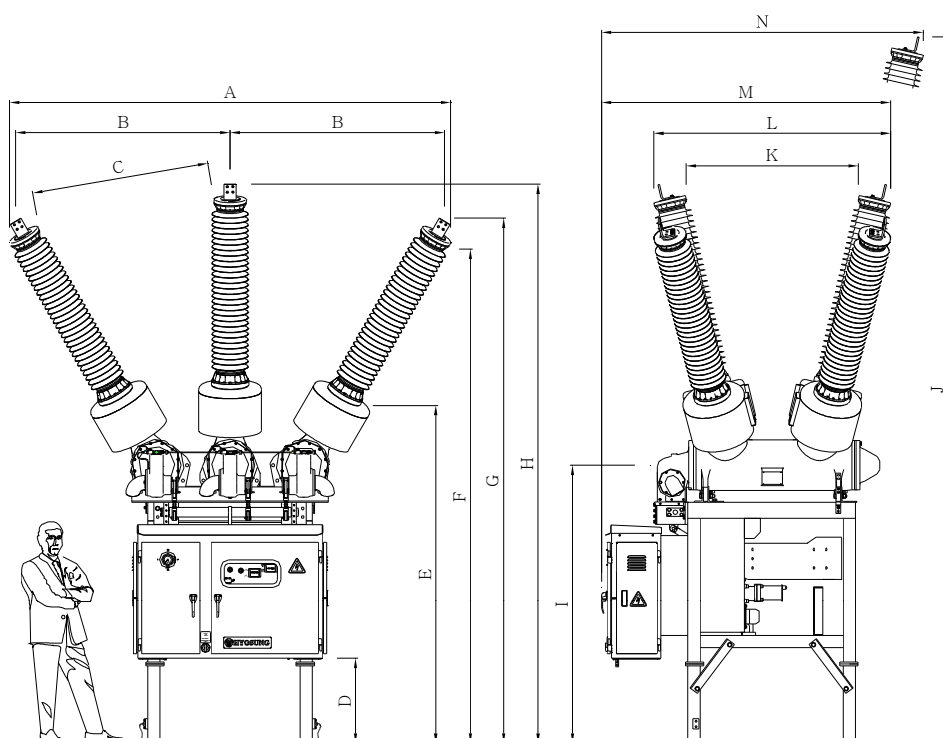
- Tank Heater for low temperature application



Overview of HICO factory in KOREA



Technical Details 145kV 40kA



►► Technical Data

Dimension in inches						
A	B	C	D	E	F	G
148"	72"	60"	27"	108"	164"	174"
H	I	J	K	L	M	N
186"	89"	233"	58"	79"	94"	105"

Type	HCSP-144B
Voltage (Max kV)	145
BIL (kV Crest)	650
60Hz withstand (kV)	310
Continuous Current (A)	1200/2000/3000
Interrupting Current (kA)	40
Interrupting Time (cycles)	3
2 μ s Chopped wave (kV Crest)	838
Total Weight (lbs / kg)	7,710/3,500
Weight of SF6 (lbs / kg)	73/33

Headquarters:

Three Penn Center West Suite 300
Pittsburgh, PA 15276

Phone: (412) 787-1170

Fax: (412) 787-2270

HICO AMERICA
HYOSUNG HEAVY INDUSTRIES CORPORATION

<http://www.hicoamerica.com>
<http://www.hyosung.com>

Los Angeles Office:

910 Columbia Street
Brea, CA 92821

Phone: (714) 989-8900

Fax: (714) 989-8901