



# World Leader in High Voltage Transmission Equipment

**HICO AMERICA**  
HYOSUNG HEAVY INDUSTRIES CORPORATION

## HCSP Series for 72.5kV 40kA

## Gas Circuit Breaker



HICO is a World Leader in SF<sub>6</sub> 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 SF<sub>6</sub> gas insulated, which features excellent arc-extinguishing performance and high dielectric strength.

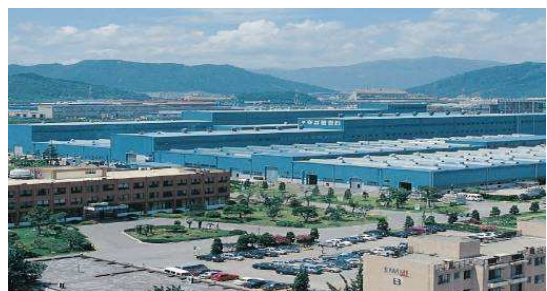
The breaker consists of isolated single phase cast aluminum tanks, and is operated by our high quality, reliable spring mechanism.

### 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

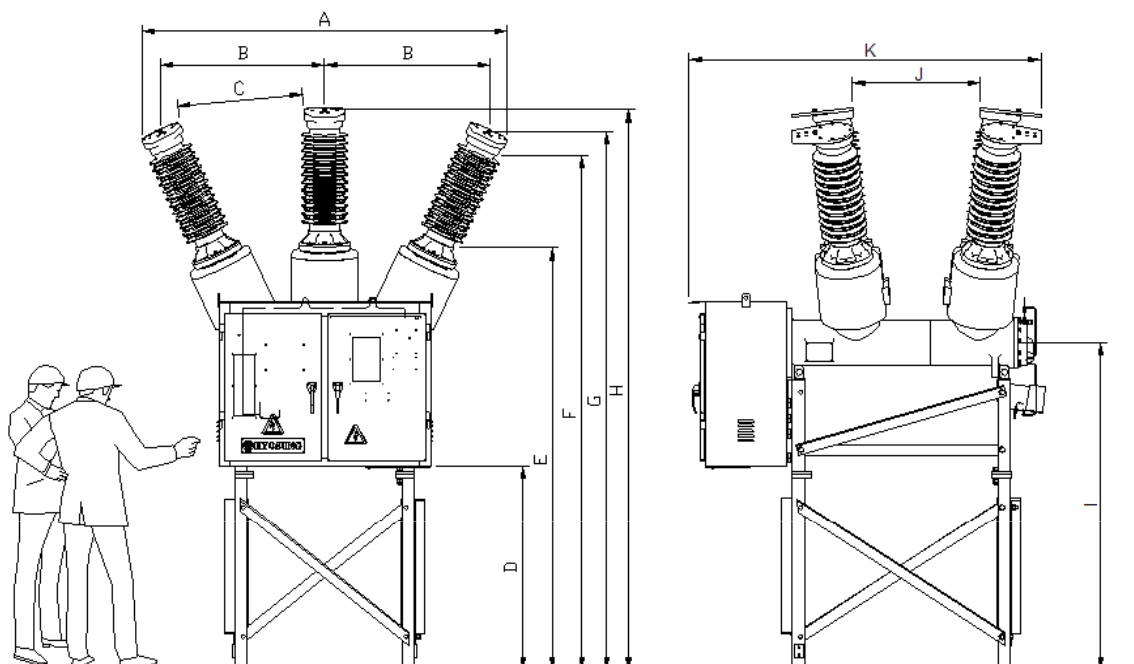
- Tank Heater for low temperature application



Overview of HICO factory in KOREA



## Technical Details 72.5kV 40kA



### ►► Technical Data

Dimension in inches						
A	B	C	D	E	F	G
89"	40"	30"	49"	101"	123"	129"
H	I	J	K			
134"	78"	31"	85"			

Type	HCSP-074B
Voltage (Max kV)	72.5
BIL (kV Crest)	350
60Hz withstand (kV)	160
Continuous Current (A)	2000/3000
Interrupting Current (kA)	40
Interrupting Time (cycles)	3
2 $\mu$ s Chopped wave (kV Crest)	452
Total Weight (lbs / kg)	3,759/1,705
Weight of SF6 (lbs / kg)	27/12

#### 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