



ebreak

VCB 72.5 kV Vacuum Circuit-Breaker

A compact, F-gas-free Circuit-Breaker engineered for extreme climates and sustainability compliance.

- Live tank circuit-breaker
- Proven vacuum-breaker technology ensures making and breaking performance that meets the highest requirements of international IEC standards and North American ANSI-IEEE standards.
- The product features dry-air insulation and an environmentally friendly design that incorporates eco-design principles to reduce the product's carbon footprint.
- Meet the highest standards for reliability and electrical endurance.
- Designed to make installation, upkeep, and maintenance easier.
- Extended service life and high electrical endurance

AVANTAGES



ZERO FLUORINATED GAS

Fluorinated gas-free solution with clean air, zero CO2 emissions with only 1 bar rel. of pressure



MINIMAL FOOTPRINT

Maximum compactness thanks to a design optimized for 72.5 kV applications



HIGH DIELECTRIC STRENGTH

Disconnecting circuit-breakers



EASY TO INSTALL

It can be delivered in 3-phase conditions, with factory assembly and adjustment.



DESIGNED FOR VERY LOW TEMPERATURES

Capable of operating in extremely low temperatures



Contacts

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Live Tank Circuit-Breaker 72.5 kV

Item	Technical parameters
Comply with international IEC standards (IEC 62271-100) and ANSI standards (IEEE C37.100.1; IEEE C37.09 and IEEE C37.016)	
Type	VCB 72.5-2500-31.5
Switching	Vacuum
Insulating medium	Dry air
Rated voltage	72.5 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage (1 min)	140/160(DCB) kV
Rated lightning impulse withstand voltage (1.2/50 μs)	325/350/375(DCB) kV
Rated chopped-wave impulse withstand voltage	452 kV (ANSI C37.016)
Rated continuous current	2500 A
Rated short-time withstand current /duration and peak	3s, 80 kAp
Rated short-circuit breaking and making current	31.5 kA
DC time constant of the rated short-circuit breaking current	45 ms
Rated first pole-to-clear factor	1.5
Rated line-charging breaking current	125 A
Rated cable-charging breaking current	125 A
Capacitive voltage factor	1.4
Classes	M2, C2, E2, S2
Temperature range	-50°C up to +55°C -58°F up to +131°F
Filling pressure for insulation	1 bar rel. / 14 psig

	Minimum height (h)	Minimum center-to-center distance (d)
Vcb 72.kV	3366 mm	1050 mm
Vcb 52 kV	3366 mm	900 mm

* Standard size of the 72.5 kV VCB, in accordance with IEC 60071. A more compact solution may be offered following a specific analysis.

