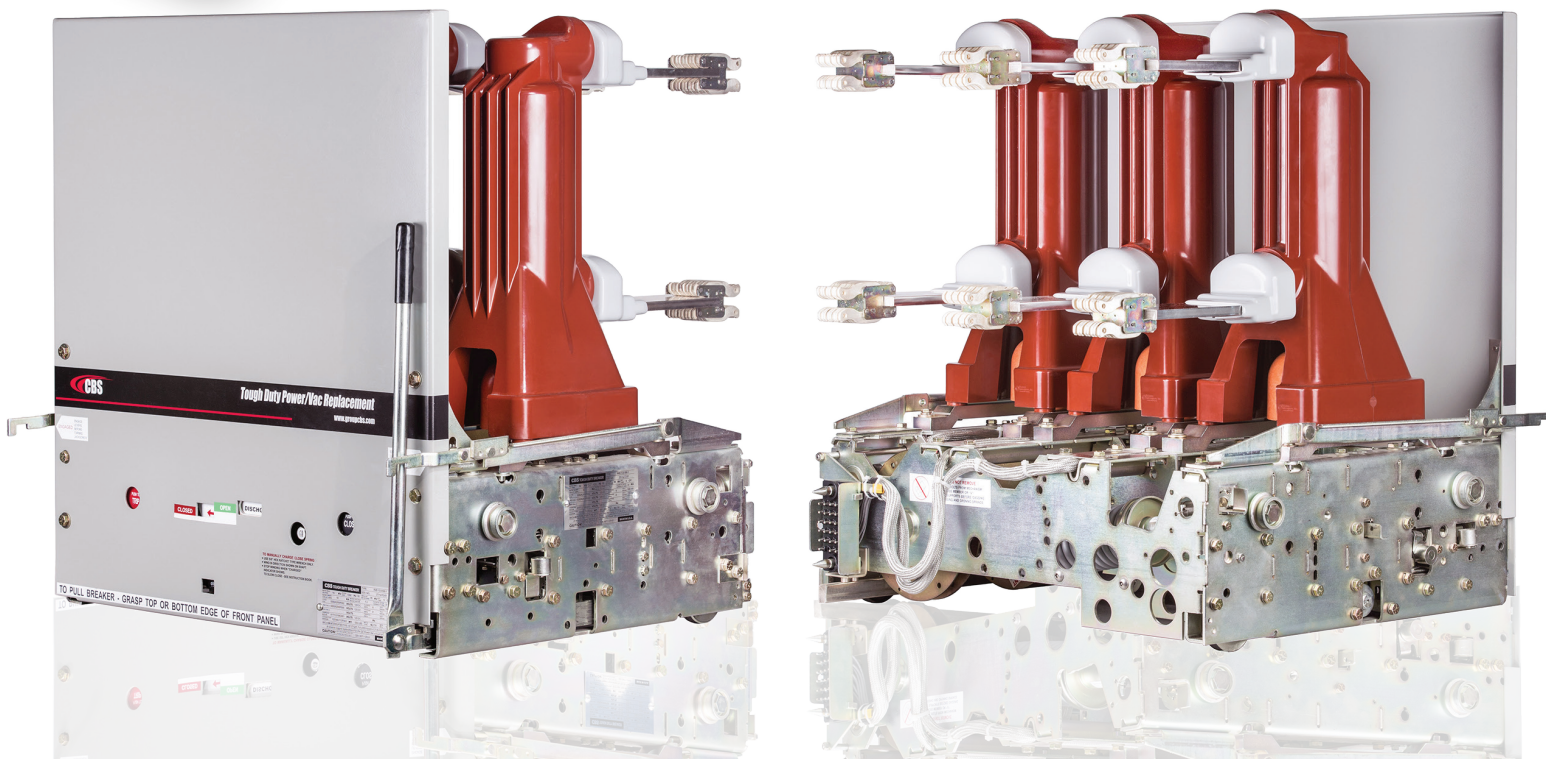


For more information, visit  
[CircuitBreaker.com/ToughDuty](http://CircuitBreaker.com/ToughDuty)

# CBS Maxi-Vac TOUGH DUTY™ POWER/VAC® REPLACEMENT



CBS MaxiVac's™ new Tough Duty™ line of roll-in replacement circuit breakers replaces aging Power/Vac® breakers without any modifications to existing cells or switchgear. The Tough Duty™ breakers are tested per ANSI/IEEE certification standards, are available in all standard ratings, and include the newest encapsulated pole assemblies from Vacuum Interrupters, Inc. Encapsulated poles harden your breakers against environmental contamination, extending the life of your power distribution equipment.



## TOUGH DUTY™ ADVANTAGES

- Direct Roll-In Replacement
- Meets or Exceeds ANSI/IEEE Testing Standards
- 5-year, 3,000-Operation Warranty
- New Rugged Encapsulated Vacuum Interrupter Pole Design
- Mechanism Made In USA
- Extended Warranties Available
- Utilizes Trusted ML-17 and ML-18 Mechanisms

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**NETA**  
CORPORATE ALLIANCE PARTNER



**FOR MORE INFORMATION:**  
Contact your local  
Group CBS Office or call (800) 232-5809.

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**CBS Maxi-Vac**  
**Tough Duty™ Power/Vac® Replacement**  
[CircuitBreaker.com/ToughDuty](http://CircuitBreaker.com/ToughDuty)

# CBS Maxi-Vac Tough Duty™ Power/Vac® Replacement

## ADVANTAGES & BENEFITS

<b>Direct Roll-In Replacement</b>	Roll-in replacement requires no cell or wiring modifications, avoiding switchgear replacement and downtime costs.
<b>ANSI/IEEE C37 Tested</b>	The circuit breaker has been tested to the latest applicable ANSI/IEEE C37 standards, including C37.09.
<b>Mechanism Made In USA</b>	Trusted ML-17 and ML-18 mechanisms have been remanufactured to ISO standards, including OEM recommendations and service advisories.
<b>Safety First</b>	Maintains existing maintenance and safety procedures; works with existing remote racking and switching equipment.
<b>Repetitive Duty Upgrade</b>	Need more than 3,000 operations? Ask about our Repetitive Duty Upgrade warranty.
<b>Upgraded Pole Assemblies</b>	New encapsulated pole assemblies are rugged, can extend existing interrupt capabilities, and have a longer service life than legacy pole designs.



## MODELS & RATINGS

Identification				Rated Values					Related Required Capabilities										
Replacement Tough Duty Part Number	Original Model Number	Normal rms Voltage Class (kV)	Normal 3-phase Class (MVA)	Voltage		Insulation Levels		Current		Maximum Symmetrical Interrupting & 3-sec Short Time Capability Rating (kA)	Closing and Latching Capability rms Current (kA)								
				Rated Maximum Voltage (kV)	Rated Voltage Range Factor (K)	Rated Withstand Test Voltage		Continuous rms Current Ratings (A)	Short Circuit rms Current Rating (at Rated Max kV) (kA)										
						Low Frequency rms Voltage (kV)	Crest Impulse Voltage (kV)												
VBTD-5-250-12	VB-4.16-250	4.16	250	4.76	1.24	19	60	1200	29	36	58								
VBTD-5-250-20								2000											
VBTD-5-350-12	VB-4.16-350		350					1.19				1200	41	49	78				
VBTD-5-350-20												2000							
VBTD-8-500-12	VB-7.2-500	7.2	500	8.25	1.25	36	95		1200	33	41	66							
VBTD-8-500-20									2000										
VBTD-15-500-12	VB-13.8-500	13.8	500					15	1.3				36	95	1200	18	23	37	
VBTD-15-500-20															2000				
VBTD-15-750-12	VB-13.8-750		750	1.3	15	1.3	36			95	1200	28			36				58
VBTD-15-750-20											2000								

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