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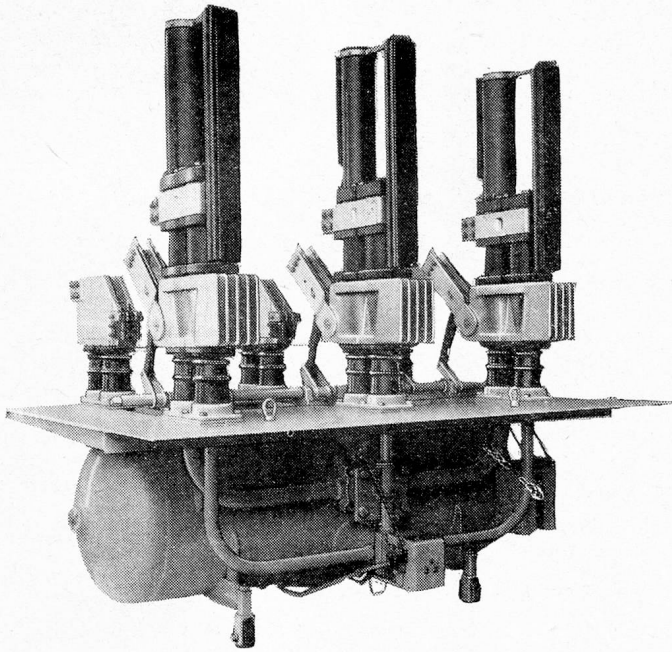
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BROWN BOVERI HANDLES THE LOAD AT CRUACHAN



■ The Brown Boveri generator indoor type 16kV air-blast breaker as installed at Cruachan. Each unit is rated at 6,000 amps and has a breaking capacity of 1,000 MVA at 16kV.



The £12m pumped storage plant at Cruachan, Argyllshire forms the main part of the North of Scotland Hydro-Electric Board's £25m scheme. A feature of the scheme is that, by the use of reversible pump turbines, water is pumped at night from Lock Awe 1,300 ft. uphill to a giant storage tank, being brought down at day to generate supplies for the peak load.

Cruachan will eventually produce 400 megawatts and the ready availability of Brown Boveri generator air-blast circuit breakers rated up to 24kV and 22,000 amps has made possible the installation at Cruachan of four such units and associated isolator gear between the motor/generators and the main transformers. This results in substantial savings in capital and running costs as compared with the high-voltage switching installation.

In this, as in many other industrial fields, Brown Boveri's experience and comprehensive electrical manufacturing programme (based upon Brown Boveri's leading position on the Continent of Europe) has provided valuable service to economy and productivity in Britain.