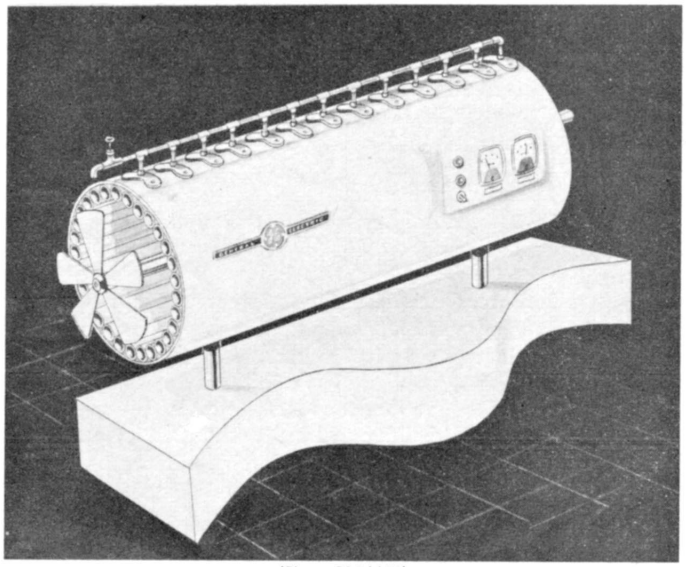
Turboencabulator



(Photo 2904401)

Fig. 1. Turboencabulator

THIS PUBLICATION CONTAINS INFORMATION ON THE FOLLOWING

- FUNCTION
- OPERATION
- TECHNICAL FEATURES
- RATINGS
- APPLICATION DATA
- ACCESSORIES
- SPECIFICATIONS
- DIMENSIONS
- EXTERNAL WIRING

ADDITIONAL INFORMATION

PRICE AND ORDER DATA—Refer to Factory.

WHERE TO BUY—See Handbook Section No. 8006, or contact person listed below.

WHERE TO GET SERVICE OR REPAIR—See Handbook Section No. 8009, or contact person listed below.

(Sales Engineer's or Distributor's Name and Address)

ROGER L. POMMERENKE

GENERAL ELECTRIC

TECHNICAL PUBLICATIONS

Order from nearest General Electric Apparatus Sales Office or Distributor.

Copies of this publication	HBK 8359
Specification Guide Forms (Nonrestrictive) with copy of General Electric Specifications, printed herein	None
Installation Instructions	None
Operation and Service Instructions	None
Service Manual	None
Overhaul Instructions	None
MIL-illustrated Parts Breakdown	None
Recommended Spare Parts List	None
Renewal Parts Bulletin	None

New information.

Data subject to change without notice

CW30, A77 Tabs

Turboencabulator

FUNCTION

To **measure** inverse reactive current in unilateral phase detractors with display of percent realization.

OPERATION

Based on the principle of power generation by the modial interaction of magnetoreluctance and capacitive directance, the Turboencabulator negates the relative motion of conventional conductors and fluxes. It consists of a baseplate of prefabulated Amulite, surmounted by a malleable logarithmic casing in such a way that the two main spurving bearings are aligned with the pentametric fan.

Six gyro-controlled antigravic marzelvanes are attached to the ambifacient wane shafts to prevent internal precession. Along the top, adjacent to the panandermic semi-boloid stator slots, are forty-seven manestically spaced grouting brushes, insulated with Glyptal-impregnated, cyanoethylated kraft paper bushings. Each one of these feeds into the rotor slip-stream, via the non-reversible differential tremie pipes, a 5 per cent solution of reminative Tetraethyliodohexamine, the specific pericosity of which is given by $P = 2.5C_n^{6/7}$ where "C" is Cholmondeleys annular grillage coefficient and "n" is the diathetical evolute of retrograde temperature phase disposition.

The two panel meters display inrush current and percent realization. In addition, whenever a barescent skor motion is required, it may be employed with a reciprocating dingle arm to reduce the sinusoidal depleneration in nofer trunnions.

Solutions are checked by Zahn Viscosimetry techniques. Exhaust orifices receive standard Blevinometric tests. There is no known Orth Effect.

TECHNICAL FEATURES

- Panandermic semi-boloid stator slots
- Panel meter covers treated with Shure Stat (guaranteed to build up electrostatic charge in less than 1 second).
- Manestically spaced grouting brushes
- Prefabulated Amulite baseplate
- Pentametric fan

STANDARD RATINGS

Rating	Old Catalog No.	New Computer Insensitive Catalog No.
0–1000	6060606G6*	125387GLC1†

* Included Qty. 6 NO-BLO‡ fuses.
† Includes Magnaglas circuit breaker with polykrapolene-coated contacts rated 75A Wolfram.
‡ Reg. T.M. Little Gem Fuse Blower Corp.

ACCESSORIES

1. 8 ounces 5 per cent Tetraethyliodohexamine with 0.01N Halogen tracer solution.
2. Interelectrode diffusion integrator.
3. Noninductive-wound inverse conductance control in little black box.
4. Analog to digital converter with reflected levorotatory BCD output (binary-coded decimal ie; 7, 4, 2, 1).
5. Quasistatic regeneration oscillator with output conductance of 17.8 millimhos.

APPLICATION

Measuring Inverse Reactive Current—CAUTION: Because of the replenerative flow characteristics of positive ions in unilateral phase detractors, the use of the quasistatic regeneration oscillator is recommended if Turboencabulator is used in explosive atmospheres.

Reduction of Sinusoidal Depleneration—Before use, the system should be calibrated with a gyro-controlled Sine-Wave Director, the output of which should be of the cathode follower type.

Note: If only Cosine-wave Directors are available, their output must be first fed into a Phase Inverter with parametric negative-time compensators. **Caution:** Only Phase Inverters with an output conductance of 17.8 ± 1 millimhos should be employed so as to match the characteristics of the quasistatic regeneration oscillator.

Voltage Levels—Above 750V **Do Not Use** Caged Resistors to get within self-contained rating of Turboencabulator. **Do Use** Sequential Transformers. See HBK-8005.

Multiple Ratings—Optionally available in multiples of π (3.141593) and e (2.71828). If binary or other number-base systems ratios are required, refer to factory for availability and pricing.

Goniometric Data—Upon request, curves are supplied, at additional charge, for regions wherein the molecular MFP (Mean free path) is between 1.6 and 19.62 Angstrom units. Curves, relevant to regions outside the above-listed range, may be obtained from:

Torricelli Barometer Works, Ltd.
Toroidal Turboencabulator Dept.
(TTD-3)
London W.C. 1, England.

In Canada address request to:

Turboencabulateurs
Canadien-Francais Ltee.
468 Jean de Quen, Quebec 10, P.Q.

Reference Texts

1. Zeitschrift fur Physik
   Der Zerfall von Dunge LBM-1
   H. Sturtzkampfflieger, Berlin
2. Svenska Teckniska Skatologika Larovarken
   Dagblad 121—G. Petterson & W. Johannson, Stockholm
3. Journaux de l'Academie Francaise
   Numero 606B
   T. L'Ouverture, Paris
4. Szkola Polska
   Turboencabulatorskiego
   Ogloszenie 1411-7
   Bogumiel Wroblyski, Warszawa.
5. Texas Inst. of Turboencabulation
   AITE Bull. 312-52, J. J. Fleck, Dallas.

SPECIFICATIONS

Accuracy: ±1 per cent of point
Repeatability: ±¼ per cent
Drift: less than 3 ft²–hrs/mo
Maintenance Required: Bimonthly treatment of Meter covers with Shure Stat.
Ratings (Standard): None
Ratings (Optional): All
Input Power: Volts-120/240/480/550 a-c
Amps—10/5/2.5/2.2 A
Watts—1200 W
Wave Shape—Sinusoidal
Cosinusoidal, Tangential or Pipusoidal.

Operating Environment:
Temperature 32F to 150F (0C to 66C)
Max Magnetic Field: 15 Mendelsohns
(1 Mendelsohn = 32.6 Statoersteds)

Case:
Material: Amulite; Tremie-pipes are of Crapaloy—(tungsten cowhide)
Weight: Net 134 lbs.; Ship 213 lbs.

DIMENSION DRAWINGS

On delivery.

EXTERNAL WIRING

On delivery.