



(Photo 2704401)
Fig. 1. Turbocompressor

THIS PUBLICATION CONTAINS INFORMATION ON THE FOLLOWING

- ⊙ FUNCTION
- ⊙ RATINGS
- ⊙ SPECIFICATIONS
- ⊙ OPERATION
- ⊙ APPLICATION DATA
- ⊙ DIMENSIONS
- ⊙ TECHNICAL FEATURES
- ⊙ ACCESSORIES
- ⊙ 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)

GENERAL  ELECTRIC

TECHNICAL PUBLICATIONS

- Order from nearest General Electric Apparatus Sales Office Distributor.
- Copies of this publication. HBK
- Specification Guide Forms (Nonrestrictive) with copy of General Electric Specifications, printed herein. 2
- Installation Instructions. 1
- Operation and Service Instructions. 1
- Service Manual. 1
- Overhaul Instructions. 1
- MIL-illustrated Parts Breakdown. 1
- Recommended Spare Parts List 1
- Renewal Parts Bulletin 1

New information.
CW3C, A77 Tab

Data subject to change without notice

... ..

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 modal interaction of magnetoreluctance and capacitive directivity, the Turboencabulator negates the relative motion of conventional conductors and fluxes. It consists of a baseplate of prefabricated Amulite, surmounted by a malleable logarithmic casing in such a way that the two main curving bearings are aligned with the pentametric fan.

Six gyro-controlled antigravimetric vanes are attached to the ambifacient wane shafts to prevent internal precession. Along the top, adjacent to the paramagnetic 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 remanitive Tetraethyliodobenzene, the specific porosity of which is given by $P = 2.5C_n^{1/7}$ where "C" is Cauchy's annular grillage coefficient and "n" is the diathetical evolute of a c-grade temperature phase dislocation.

The two panel meters display inrush current and percent realization. In addition, whenever a barecent skor motion is required, it may be employed with a reciprocating single arm to reduce the sinusoidal depletion in refer truncations.

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

TECHNICAL FEATURES

- Paramagnetic 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
- Prefabricated Amulite baseplate
- Pentametric fan

STANDARD RATINGS

	Old Catalog No.	New Computer Insensitive Catalog No.
Rating	666666G6*	125387GLC11
1000		

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

ACCESSORIES

1. 8 ounces 5 per cent Tetraethyliodobenzene 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 levomatory BCD output (binary-coded decimal ic; 7, 4, 2, 1).
5. Quasistatic regeneration oscillator with output conductance of 17.8 millimhos.

APPLICATION

Measuring Inverse Reactive Current - CAUTION: Because of the replenitive 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 Depletion - 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 Ltée. 466 Jean de Quen, Quebec 10, P.Q.

Reference Texts

1. Zeitschrift fur Physik Der Zeitfall von Dunge LEM-1 H. Sturtzkuempfleger, Berlin
2. Svenska Tekniska Skatologiska Laro-varken Dagbled 121 G. Pettersen & W. Johansson, Stockholm
3. Journaux de l'Academie Francaise Numero 606B T. L'Ouverture, Paris
4. Szkoła Polska Turboencabulatorskiego Ogloszenie 1411-7 Bogumiel Wroblowski, Warszawa.
5. Texas Inst. of Turboencabulation AITE Bull. 312-S2, J. J. Fleck, Dallas.

SPECIFICATIONS

- Accuracy: ± 1 per cent of point
- Repeatability: ± 1/4 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 Pipsusoidal.

Operating Environment: Temperature 32F to 150F (0C to 55C) Max Magnetic Field: 15 Mendelsohns (1 Mendelsohn = 32.6 Statostereds)

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.

Data subject to change without notice