

**The IDEAL ELECTRIC**  
**& Manufacturing Co., Mansfield, Ohio**

INSTRUCTION MANUAL

AND

PARTS LIST

FOR: NORTH AMERICAN TURBINE CORPORATION

ORDER NO.: 1764-1

IDEAL S.O. 294911-913 TYPE: "SAB", HORIZONTAL, OPEN ENCLOSURE,  
BRUSHLESS SYNCHRONOUS GENERATORS. - BALL BEARING.

H.P. \_\_\_\_\_ K.W. 1320 KVA: 1650 VOLTS: 480

AMPS: 1985 TEMP: RISE 105° C. BY DETECTOR. PHASES: 3 HERTZ: 60

R.P.M. 1800 SERVICE FACTOR 80% POWER FACTOR FRAME: 2800 SP.

IDEAL S.O. 294914-916 TYPE: "FRBA", HORIZONTAL, BRUSHLESS EXCITERS

FOR USE WITH THE ABOVE 1320 KW GENERATORS.

H.P. \_\_\_\_\_ K.W. 13 VOLTS: 125 AMPS: 104

R.P.M. 1800 TEMP: RISE 105° C., CONT. DUTY FRAME: BE-12

IDEAL S.O. 294917 TYPE: VOLTAGE REGULATOR SYSTEM.

" BASLER SR4 "

H.P. \_\_\_\_\_ K.W. \_\_\_\_\_ VOLTS: \_\_\_\_\_ AMPS: \_\_\_\_\_

R.P.M. \_\_\_\_\_ TEMP: \_\_\_\_\_ FRAME: \_\_\_\_\_

CONTENTS:

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR: SYNCHRONOUS GENERATORS  
AND EXCITERS - BOOK #SM-100

CONNECTION DIAGRAM NO: 1551 - 1321A2 (Stator Temp. Detectors)

PARTS LIST: AND RECOMMENDED SPARE PARTS SHOWN ON LAYOUT DRAWING NO. C-47794

LAYOUT DRAWING NO: C-47794

OUTLINE DRAWING NO: C-47775

PUBLICATION #17700-99Y - INSTRUCTION MANUAL FOR "BASLER SR4" VOLTAGE REGULATOR.

PUBLICATION #A90-32300-99Y - INSTRUCTION MANUAL FOR EXCITATION SUPPORT SYSTEM.

DRAWING #B-47204 - INTERCONNECTION DIAGRAM FOR VOLTAGE REGULATOR SYSTEM.