

THE ALTERNATOR OUTSTANDING QUALITY

Main Data of CMC Three-Phase Synchronous Generator

Rated Voltage:	110V,220V,400V,660V
Rated Frequency:	50Hz or 60Hz
Rated Speed:	1500r/min or 1800r/min
Power Factor:	0.8(lagging)
Working Style:	continuous
Exciting Style:	brushless, self-exciting, self-radiating
Insulation Class:	Class H
Voltage-Regulating System:	AVR automatic regulation
Protection class:	IP22
Regulating Rate of Steady Voltage:	± 0.5%
Regulating Rate of Transient Frequency:	± 15%
Regulating Rate of Steady Frequency:	≤ 3S
Over Current:	3-5Ie ≥ 5S
Overload Capacity:	1.5Ie ≥ 2min
Outer housing is rolled and shaped by steel sheet so it has small volume, fast heat radiation and high strength	
Single-and double-bearing structures with good concentricity are available	



Single-Bearing Structure



Single-Bearing Structure



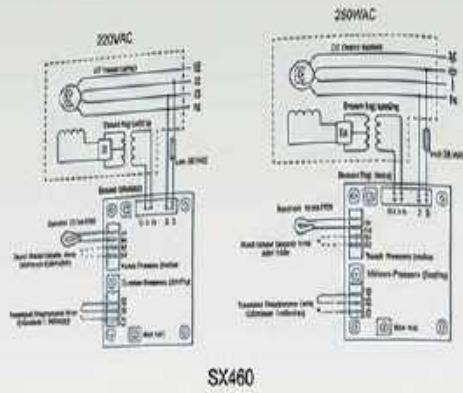
Double-Bearing Structure

Hamrooz Company

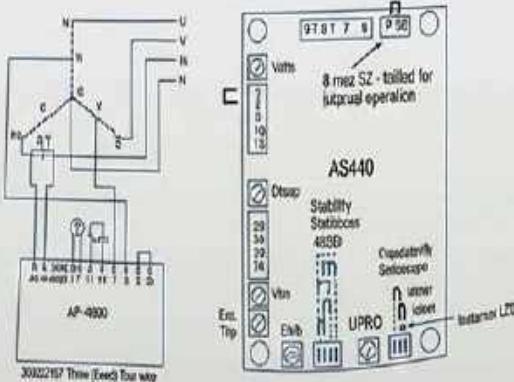
TECHNICAL SPECIFICATIONS: AVR & OUTPUT CONNECTIONS

CHAPTER TWO:

Wiring Diagram of SX460 AVR Alternator & AS440



SX460



AS440

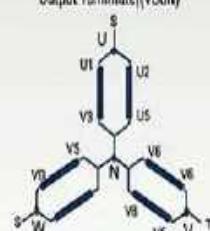
2.

**Star Connection in Series
(Cryotops-4-6m option)
Output Terminated 6/8 (V)**



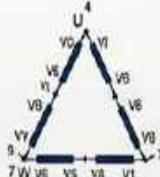
Output Voltage(-L)
225V/90Hz
485V/90Hz

**Star Connection in Parallel
(Crytoge-4-lm option)
Output Terminator (VSON)**



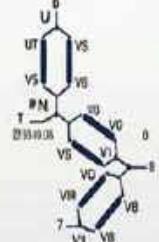
Output Voltage(-L)
225V/90Hz
225V/80Hz

Delta Connection in Series
(exptops-4-lrm option)
Output Terminate(1V/9V)



Output Voltage(L-)
225V/60Hz
225V/60Hz

Zigzag Connection in Parallel (esans-Those-4-Imm option)



Output Voltage[-L:
225V90Hz]