

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:	$\pm 0.5\%$
Regulating Rate of Transient Frequency:	$\pm 15\%$
Regulating Rate of Steady Frequency:	$\leq 3S$
Over Current:	$3-5I_e \geq 5S$
Overload Capacity:	$1.5I_e \geq 2min$

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



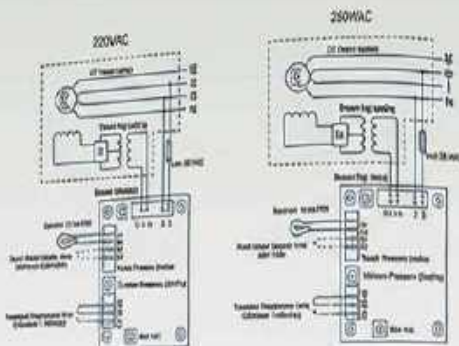
Double-Bearing Structure

Hamrooz Company

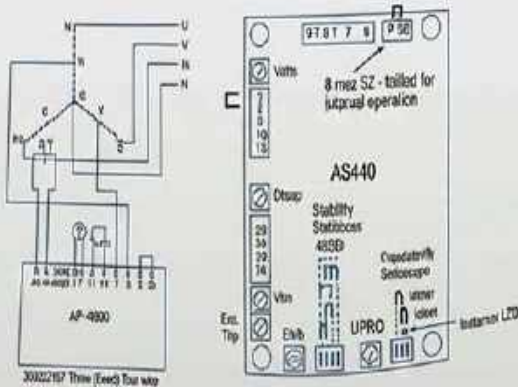
TECHNICAL SPECIFICATIONS: AVR & OUTPUT CONNECTIONS

CHAPTER TWO:

Wiring Diagram of SX460 AVR Alternator & AS440

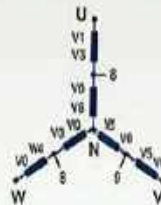


SX460



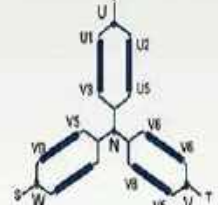
AS440

Star Connection in Series
(Cryptop-4-lm option)
Output Terminate(VS4N)



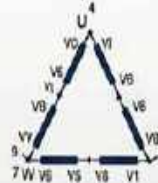
Output Voltage(L-)
225V/60Hz
485V/90Hz

Star Connection in Parallel
(Cryptop-4-lm option)
Output Terminate(VS0N)



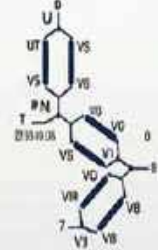
Output Voltage(L-)
225V/60Hz
225V/60Hz

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



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

Zigzag Connection in Parallel
(esane-Those-4-lm option)
Output Terminate(V/V6N)



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