

# ALTERNATOR SPECIFICATIONS

HD MODEL NUMBER	FORD 6G-250-768310
STATOR COILS	HAND WOUND COPPER LOOP 250A
STATOR STACK	SILICONIZED STEEL LAMINATION
ROTOR	SPECIAL TREATED OE
ROTOR WINDINGS	SPECIAL COPPER COIL WOUND
REGULATOR	SPECIAL HEAVY DUTY DESIGN
BEARINGS	NSK
RECTIFIER	HIGH EFFICIENCY ENHANCED AFTERMARKET
APPLICATION	FORD AMBULANCE

PLOTTED OUTPUT PER ATTACHED GRAPH :

## CONTRACT SPECIFICATIONS:

THESE SPECIFICATIONS SHALL DEFINE AND DESCRIBE THE HEAVY DUTY ALTERNATOR REQUIRED FOR FORD AMBULANCE CHASSIS VEHICLES. THE PREFERRED VENDOR IS AMERICAN ARMATURE.

MANUFACTURER SHALL PROVIDE AN HEAVY DUTY ALTERNATOR DESIGNED TO FIT EXISTING OEM BRACKETS, FOR THAT PARTICULAR APPLICATION, WITHOUT MODIFICATION.

THE HEAVY DUTY ALTERNATOR SHALL ALSO INTERFACE WITH THE OEM VEHICLE'S ECM/PCM WITHOUT MODIFICATION. ONE WIRE OUTPUTS ARE NOT CONSIDERED COMPLIANT WITH THIS SPECIFICATION.

UNIT CASE SHALL BE MADE OF CAST ALUMINUM AND SHALL NOT BE CHROME PLATED OR POWDER-COATED..

BEARINGS SHALL MEET OR EXCEED SPEC NTSM AND SHALL BE MANUFACTURER BY NSK.

ROTOR SHALL BE MADE OF HIGH STEEL CONTENT AND MEET ORIGINAL OE SPECS WITHOUT DEVIATION. STATOR SHALL BE MADE OF HIGH SILICONIZED STEEL IN LAMINATIONS EACH NOT TO EXCEED 1MM. STATOR SHALL HAVE A MINIMUM RATING OF 250A AND BE WOUND TO MAINTAIN LOW RPM OUTPUT PER THE ABOVE CURVE.

RECTIFIER SECTION SHALL BE COMPOSED OF ULTRA-HIGH EFFICIENCY HIGH-AMP DIODES AND A HIGH TEMPERATURE HEAT SINK PLATE. RECTIFIER SECTION SHALL PROVIDE A MEANS OF MAINTAINING CONTACT BETWEEN THE RECTIFIER PLATE AND INDIVIDUAL DIODES UNDER HIGH HEAT LOADS.

OUTPUT SHALL AT NO TIME FALL BELOW RATED CURVE ABOVE. CUT-IN SPEED OF THE HEAVY DUTY ALTERNATOR (THE RPM THE UNIT TURNS ON AT ROTOR SPEED SHALL BE NO GREATER THAT 1200 RPM.

MANUFACTURER SHALL USE CERTIFIED ALTERNATOR TESTER MANUFACTURED BY GEI SYSTEMS MODEL AL9000 AND SHALL PROVIDE CERTIFIED PLOT OF OUTPUT CURVE FROM SUCH TESTER FOR INITIAL BID AND FOR EACH UNIT SHIPPED UPON CONTRACT AWARD.