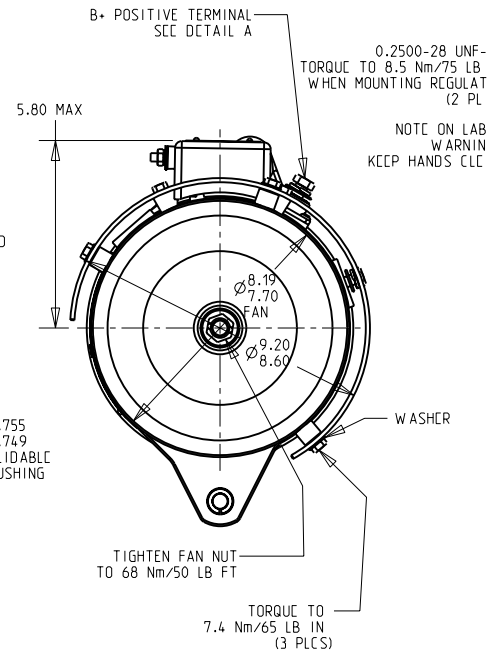
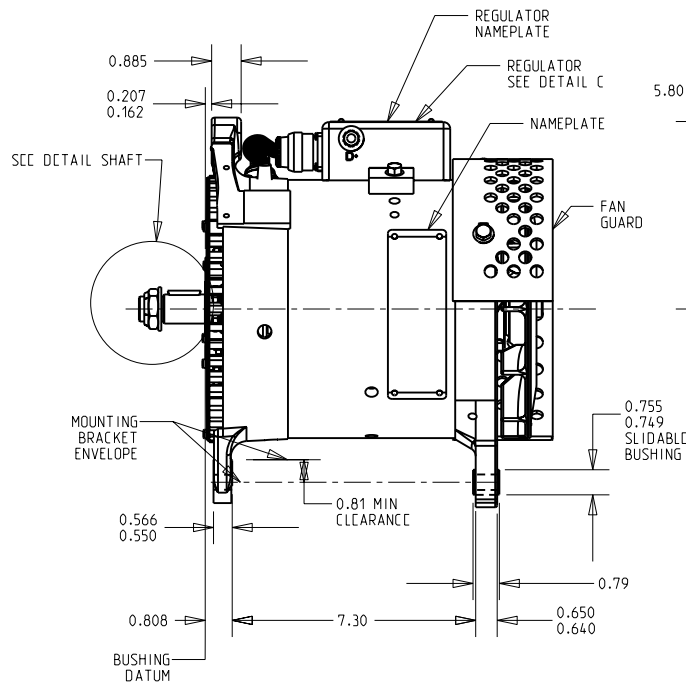
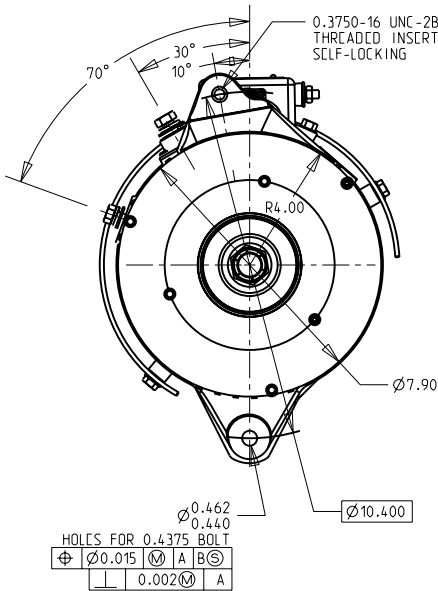




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N1248
28V 310A

DESIGNING FOR TOMORROW'S DEMANDS





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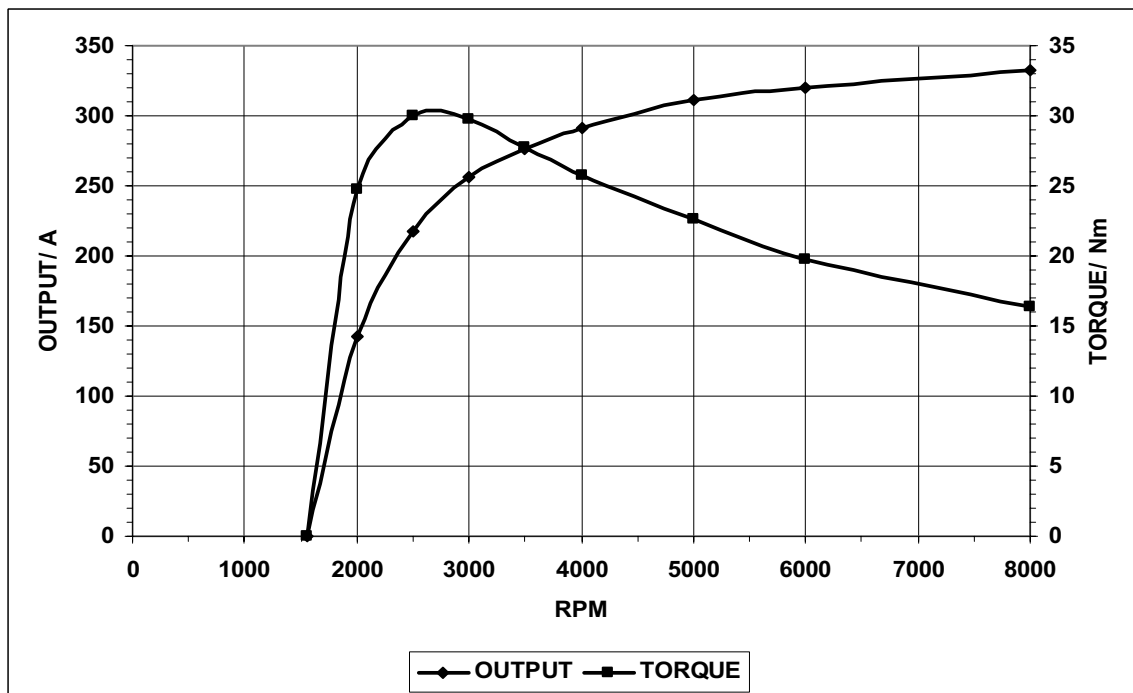
DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLTS/ 310 AMPS:

APPLICABLE MODELS: N1248

OUTPUT CURVE: OUTPUT AMPERES VERSUS ALTERNATOR SHAFT SPEED IN RPM AT 28.0 VOLTS.

TORQUE CURVE: DRIVE TORQUE IN Nm VERSUS ALTERNATOR SHAFT SPEED IN RPM REQUIRED TO PRODUCE OUTPUT CURVE.



ALL MEASUREMENTS DEPICTED ON PERFORMANCE CURVES ARE TAKEN AT 22 °C/72°F AMBIENT TEMPERATURE (UNLESS OTHERWISE SPECIFIED) AND A STABILIZED MACHINE TEMPERATURE AT MAXIMUM OUTPUT WITH VOLTAGE CONSTANT AS SPECIFIED.

ABBREVIATIONS:

RPM REVOLUTIONS PER MINUTE

Nm NEWTON-METER



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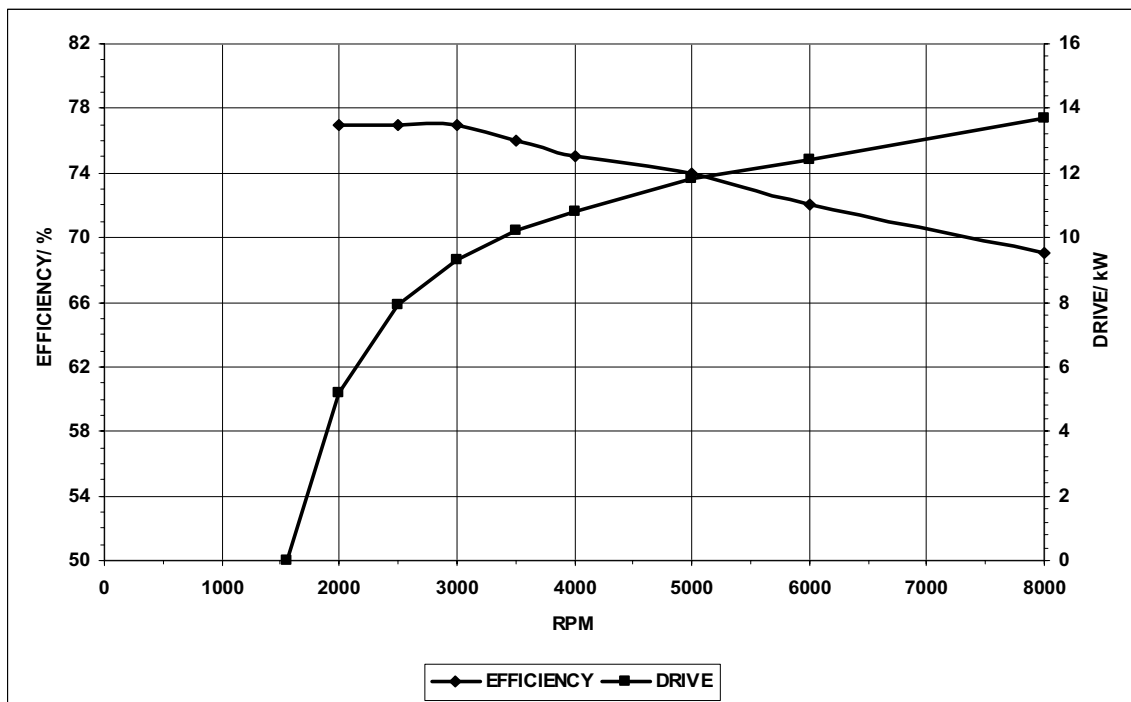
DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLTS/ 310 AMPS:

APPLICABLE MODELS: N1248

DRIVE CURVE: DRIVE HORSEPOWER IN kW VERSUS ALTERNATOR SHAFT SPEED IN RPM REQUIRED TO PRODUCE OUTPUT CURVE.

EFFICIENCY CURVE: EFFICIENCY IN PERCENTAGE OF ALTERNATOR OUTPUT POWER DIVIDED BY INPUT POWER VERSUS ALTERNATOR SHAFT SPEED IN RPM REQUIRED TO PRODUCE OUTPUT CURVE



ABBREVIATIONS:

RPM REVOLUTIONS PER MINUTE

kW KILOWATTS (1000 WATTS)

Conversion: 1 kW = 1.341 horsepower (HP)



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DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLTS/ 310 AMPS:

APPLICABLE MODELS: N1248

SPECIFICATIONS:

- 310 AMPERE 28 VOLTS NEGATIVE GROUND ALTERNATOR SYSTEM.
- BRUSHLESS 6 PHASE SELF-ENERGIZING AND SELF-RECTIFYING.
- USES EXTERNAL SOLID STATE VOLTAGE REGULATOR
- AMBIENT OPERATING TEMPERATURE: -54 °C/-65°F TO 104°C/220°F.
- BI-DIRECTIONAL ROTATION.
- SEALED BEARINGS: FRONT 306 BALL; REAR 203 BALL.
- UNIT WEIGHT 29.5 kg/ 65 LBS
- ROTOR INERTIA WITH FAN: 196 kg cm²/ 67 LB IN² (BY WEGHT)
- MAXIMUM SPEED 8000 RPM
- PEAK TORQUE AT 22 °C/72°F MACHINE TEMPERATURE IS 32.7 Nm AT 2500 RPM AND A 238 AMPERE LOAD AT 28.0 VOLTS.
- PEAK DRIVE REQUIREMENTS AT 22 °C/72°F MACHINE TEMPERATURE IS 14.4 kW AT 8000 RPM AND A 356 AMPERE LOAD AT 28.0 VOLTS.

Headquarters

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