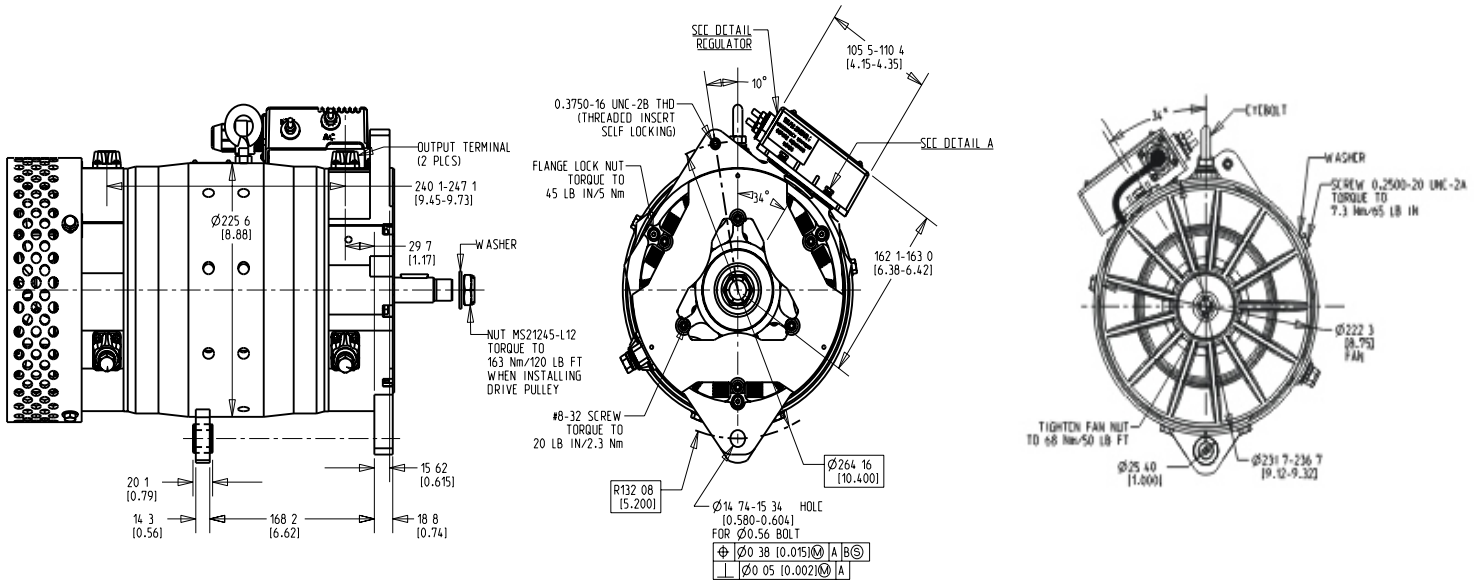
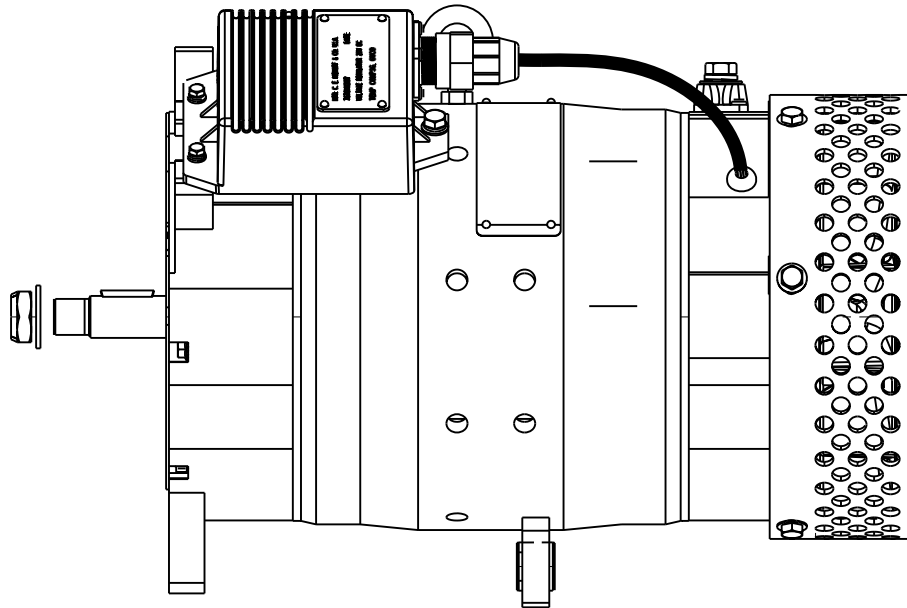




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BRUSHLESS ALTERNATORS

N1604
28V 400A

DESIGNING FOR TOMORROW'S DEMANDS





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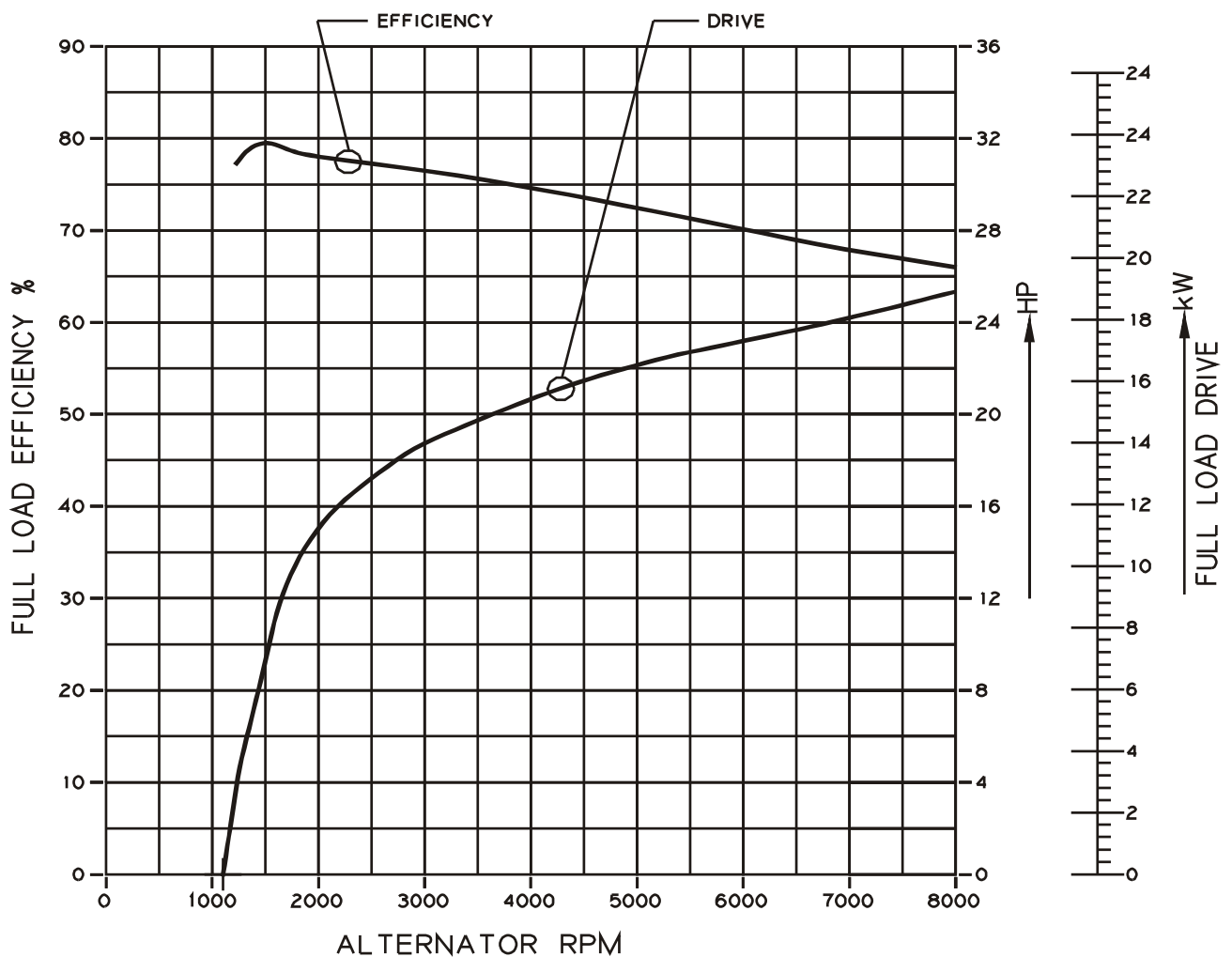
DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLTS 400 AMPS

APPLICABLE MODELS: **N1604**

DRIVE CURVE: DRIVE HORSEPOWER AND 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.



NOTE:

1. ALL MEASUREMENTS LISTED ON CURVE ARE TAKEN AT 22°C/72°F AMBIENT TEMPERATURE AND A STABILIZED MACHINE TEMPERATURE AT MAXIMUM OUTPUT WITH VOLTAGE CONSTANT AT 28.0 VOLTS.
2. HP = HORSEPOWER
RPM = REVOLUTIONS PER MINUTE
kW = KILOWATTS (1000 WATTS)



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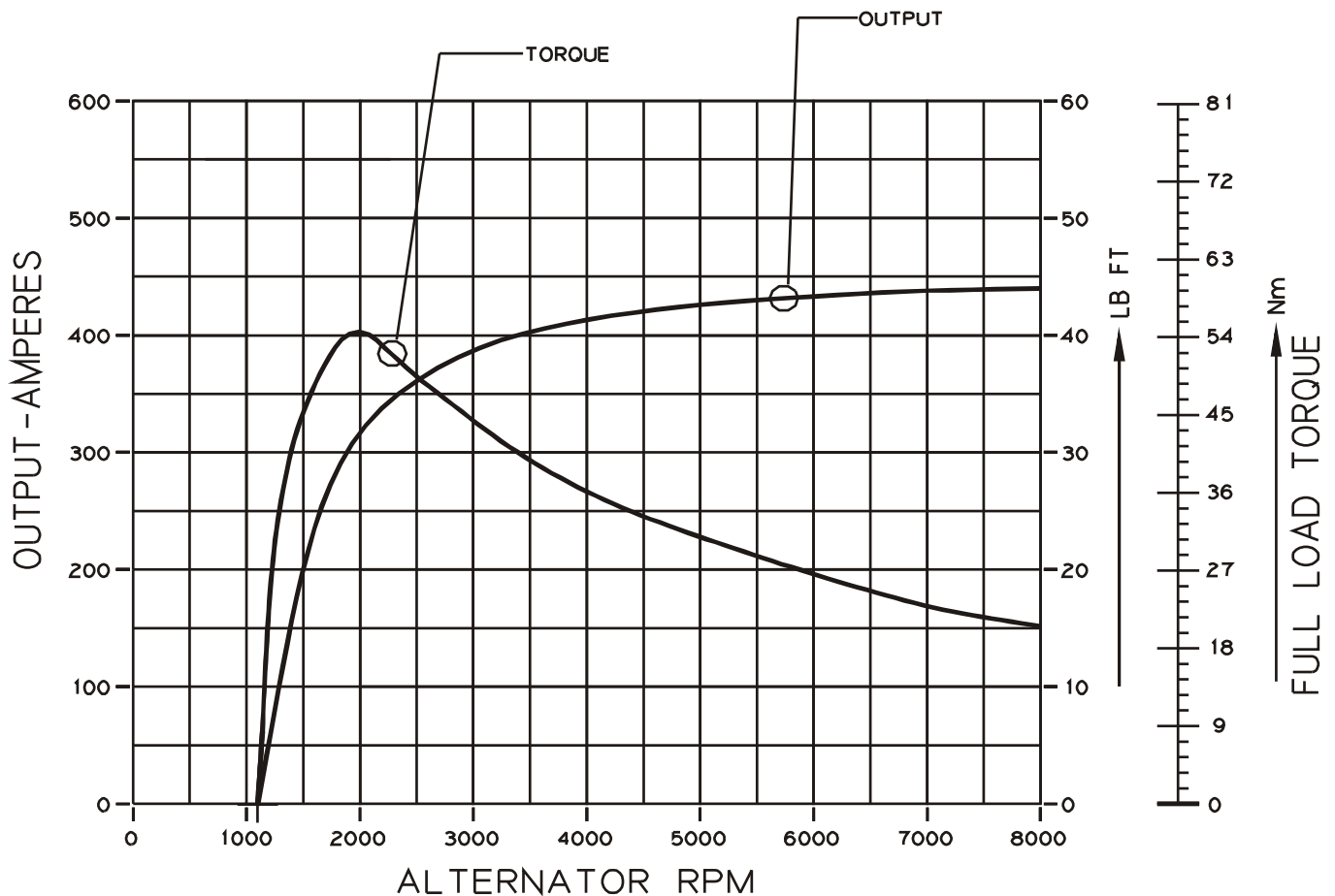
DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLT 400 AMPS

APPLICABLE MODELS: **N1604**

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

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



NOTE:

1. ALL MEASUREMENTS LISTED ON CURVE ARE TAKEN AT 22°C/72°F AMBIENT TEMPERATURE AND A STABILIZED MACHINE TEMPERATURE AT MAXIMUM OUTPUT WITH VOLTAGE CONSTANT AT 28.0 VOLTS.
2. RPM = REVOLUTIONS PER MINUTE
Nm = NEWTON METER
LB FT = POUND FOOT



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DESIGNING FOR TOMORROW'S DEMANDS

ALTERNATOR CHARACTERISTICS FOR 28 VOLTS 400 AMPS:

APPLICABLE MODEL: **N1604**

SPECIFICATIONS

1. 400 AMPERE 28 VOLT **Isolated** GROUND ALTERNATOR SYSTEM
2. BRUSHLESS (6) PHASE EXTERNALLY ENERGIZED AND SELF RECTIFYING
3. EXTERNAL SOLID STATE REGULATOR WITH NEGATIVE TEMPERATURE COMPENSATION
4. VOLTAGE SETTING: 28.2 ±0.2 VOLTS AT 22°C/72°F
5. PEAK TORQUE AT 22°C/72°F MACHINE TEMPERATURE:
64 Nm/47 LB FT AT 2000 RPM AND A 383 AMPERE LOAD
AT 28.0 VOLTS
6. PEAK DRIVE REQUIREMENTS AT 22°C/72°F MACHINE TEMPERATURE
21.0 kW/28 HP AT 8000 RPM AND A 514 AMPERE LOAD AT
28.0 VOLTS

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