

POWER 450

BRUSHLESS ALTERNATOR

HAVING ALTERNATOR TROUBLES? NEED MORE POWER?

- 450A, 28V Brushless Alternator
- High Performance - 290 Amps at Idle
- Cradle Mount Alternator
- Quick Retrofit - Delco 50 DN Replacement
- Air Cooled - Eliminates Hazardous Oil Leaks
- Oversized Bearings for Robustness & Durability
- Corrosion Resistant
- Low Inertia Advantage
- Reduces Battery Failure



POWER 450 BRUSHLESS
ALTERNATOR 28V 450A



MARKETS

- Transit Bus • Mining
- Construction • Fire & Rescue
- Agriculture • Military • Forestry

LOW SPEED IDLE HIGH PERFORMANCE

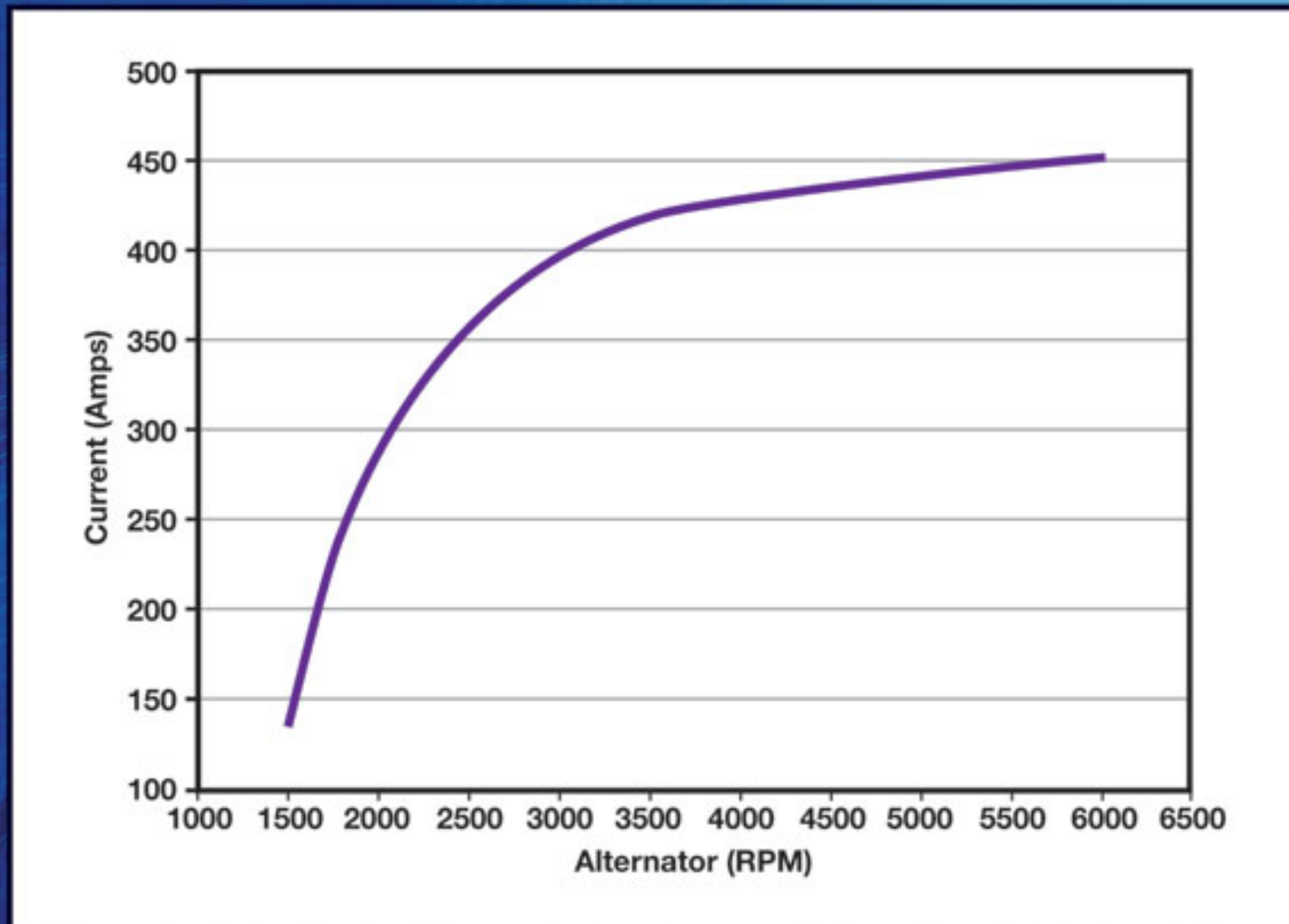
BEST VALUE ALTERNATOR FOR RELIABLE POWER



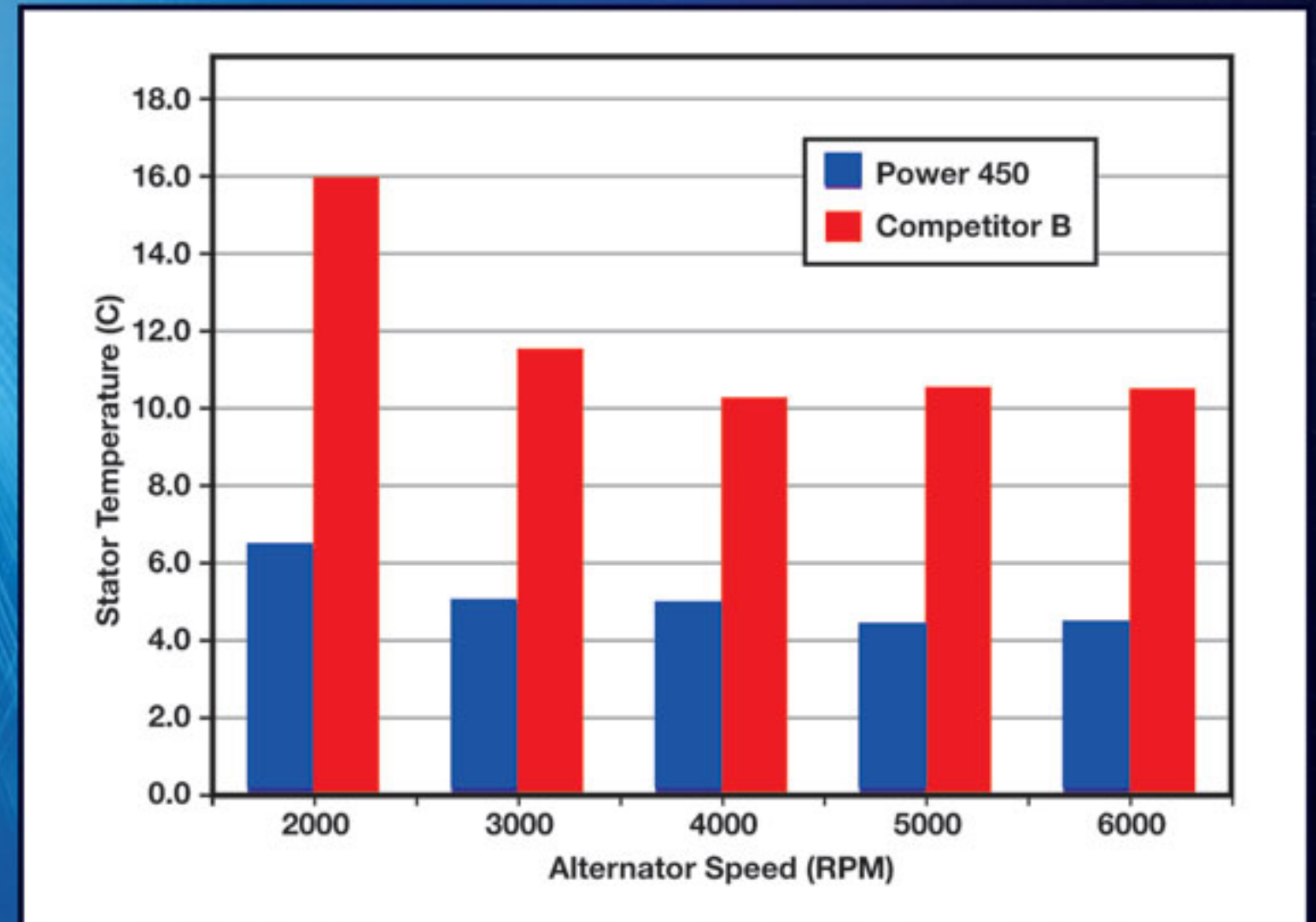
BRUSHLESS ALTERNATOR COMPARISON

DESCRIPTION	ALTERNATOR A	ALTERNATOR B	ALTERNATOR C	EMP POWER 450
Nominal Amps @ 28VDC	500	330	270	450
Alternator Profile	10.2" Dia x 19.5" L	8" Dia x 14.9" L	10" Dia x 17.75" L	10.2" Dia x 15.6" L
Alternator Weight	120 lbs.	88 lbs.	100 lbs.	100 lbs.
CW or CCW rotation	Yes	Yes	Yes	Yes
Cooling Media	Air	Air	Oil	Air
Maximum Alternator RPM	10,000	10,000	7,000	8,000
Max Continuous Operating Speed RPM	8,000	8,000	6,500	6,500
Engine Idle	-	-	-	-
Alternator RPM	2,000	2,000	2,000	2,000
Output Amps	310	177	195	293
Efficiency	82.07%	79.30%	62.00%	80.00%
Engine High Idle	-	-	-	-
Alternator RPM	3,000	3,000	3,000	3,000
Output Amps	450	243	248	398
Efficiency	75.20%	75.20%	53.00%	76.20%

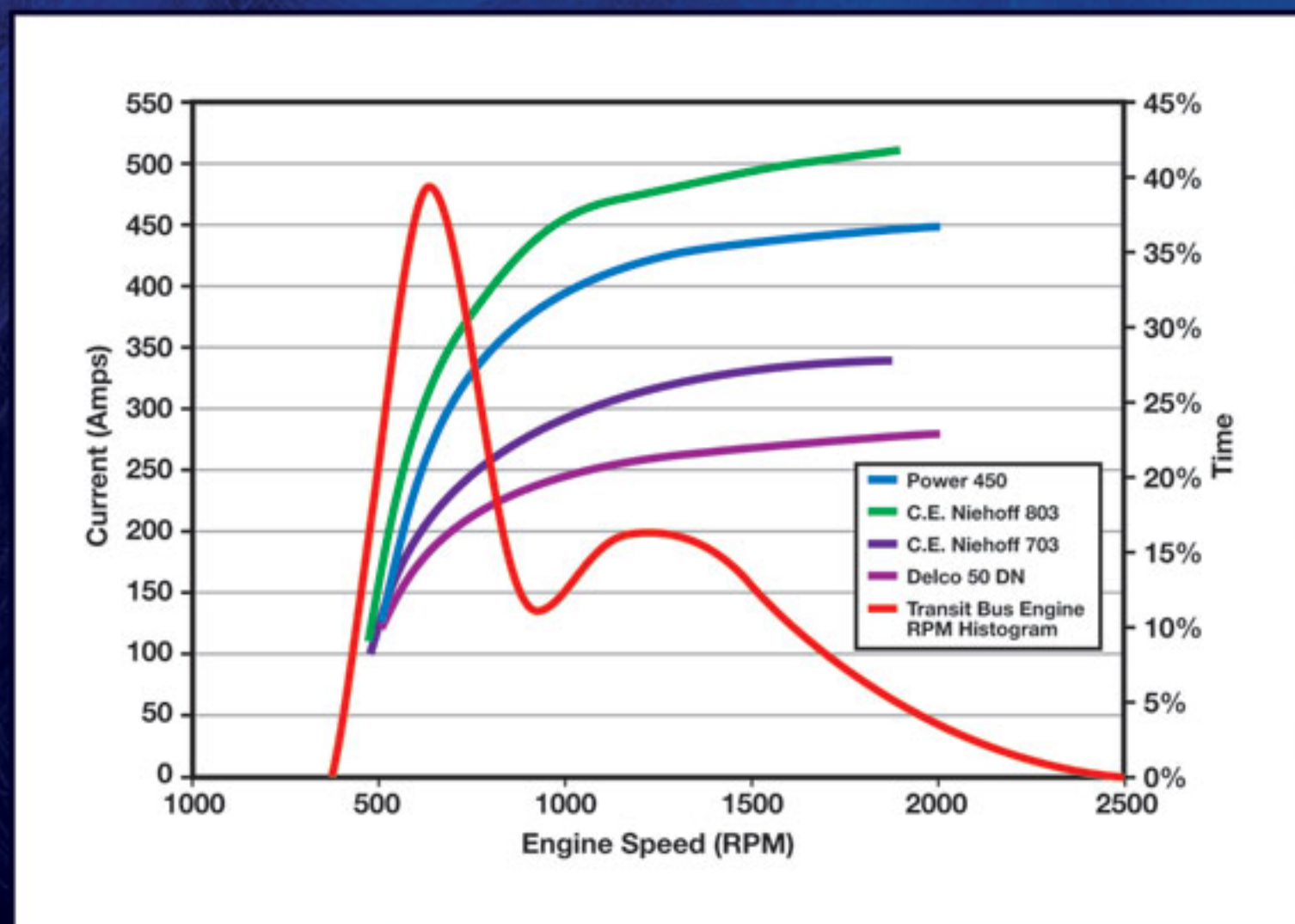
POWER 450 PERFORMANCE (Stabilized @20° C per SAE J56)



TEMP RISE PER 100A PRODUCED



TRANSIT BUS DUTY CYCLE VS. ALTERNATOR PERFORMANCE (Stabilized @20° C per SAE J56)



POWER 450 RUNS COOLER! Extends Alternator Life & Reduces Thermal Events

