



PRODUCT SPECIFICATIONS

Series	20AT	
System Voltage	48 V	
Ground	Isolated	
Regulator	Remote	
Mounting	HINGE	
Rotation	CW or CCW	
Cover	Ductless	
Turn-On Speed	1 250 RPM	
Maximum Speed	6 500 RPM	
Temperature limits		
Low	- 40°C / - 40°F	
High	93°C / 200°F	
High	110°C / 230°F	
SAE J56	6.1.1	6.1.2
2 000 rpm	Load Current	110 A 85 A
	Efficiency	85.90 % 89.50 %
6 000 rpm	Load Current	300 A 280 A
	Efficiency	70.20 % 76.30 %
Shaft Diameter	Ø22.20 (7/8")	

- Technical requirements
- Ø : is a critical dimension /SAE J180/.
 - * : bracket dimension /SAE J180/.
 - ▷ : denotes key characterstic.
 - 5/8-18 UNF-2A or M16 x 1.50

Mass Moments of Inertia:
Iyy= 0.016740 kg-m²

SAE J56

6. Measurement Procedure

6.1 Current/Rotational Speed Characteristics

6.1.1 STABILIZED PERFORMANCE TESTS (REQUIRED FOR RATING)— Current measurement shall be taken at least at the following rotational speeds, in rpm.

6.1.2 SWEPT SPEED, TEMPERATURE STABILIZED TEST— The alternator under test shall be warmed up for 30 min at 3000 rpm.

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Scale	1:2	Mass	23.200 kg	Material	
Sheet	1/1	Name	ALTERNATOR J180 HINGE 56V 250A		
Mark	DESIG	Name		Draw No.	EA192.533.00.00
	CHKD	Signature		Rev.	0
	MFO	Date	25.03.25		
	QA	Date	25.03.25		

