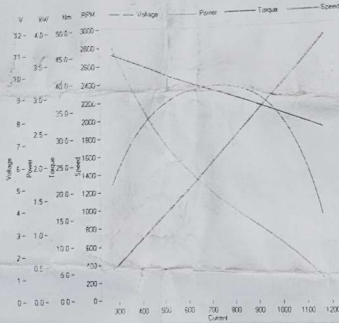




SM27M022

PASS

Starter Typ GEAREDU
Starter Model: 2700-SERIES
Rated Power: 2.70 kW
Rated Voltage: 12.00 V
Max Power: 3.15 kW
Max Torque: 48 Nm
Max. Ampere 1162 Amp



Motor Performance Curve

Battery Resistance:
3.80 mOhms

Commutator / Brush
Ripple Pattern



Test	Parameter:	Value	Min	Max	Status
Free Run Test	Current	125	90	145	
Free Run Test	Speed	5758	5000	7000	
Free Run Test	Voltage	12.30			
Solenoid Test	Close Test	PASS			
Solenoid Test	Hold Current	17.129	0.000	22.000	
Solenoid Test	Open Test	PASS			
Solenoid Test	Pull Current	42.264	0.000	50.000	
Solenoid Test	Voltage Drop	0.01		0.70	
Starter Test	Current Max	1162			
Starter Test	Direction	CW			
Starter Test	Power Max	3147.03			
Starter Test	Ripple Current	16		30	
Starter Test	Torque Max	48.187			
Test Step # 0 At 21.000 Nm	Solenoid Voltage Drop	0.0110			
Test Step # 0 At 21.000 Nm	Starter Current	612		670	
Test Step # 0 At 21.000 Nm	Starter Power	3094.23			
Test Step # 0 At 21.000 Nm	Starter Speed	1405	1150		
Test Step # 0 At 21.000 Nm	Starter Torque Constant	0.0344			
Test Step # 0 At 21.000 Nm	Starter Voltage	9.615			
Test Step # 1 At 44.000 Nm	Solenoid Voltage Drop	0.0101			
Test Step # 1 At 44.000 Nm	Starter Current	1083		1100	
Test Step # 1 At 44.000 Nm	Starter Power	2058.30			
Test Step # 1 At 44.000 Nm	Starter Speed	447	200		
Test Step # 1 At 44.000 Nm	Starter Torque Constant	0.0406			
Test Step # 1 At 44.000 Nm	Starter Voltage	7.783			

Test Cycle ID: 153728

Date: 6/3/2024 Time: 13:39:32