

Type Test Report

Type: T3A90S-4

Output: 1.1 kW

Frequency: 50 Hz

Voltage: 400/230 V

Connection: Y/Δ

Duty: S1

Design list No.:

Product No:

Report No:

Test Item		Standard		Result	
		Nominal	Tol		
1.	Efficiency %			84.1	
2.	Power Factor			0.724	
3.	Tem. Rise of Stator Winding K			36	
4.	Vibration mm/s			1.6	
5.	Noise Lp dB (A)(Lw)			61	
6.	Max Torque/Rated Torque			3.12	
7.	Breakdown Torque/Rated Torque			2.48	
8.	Locked Rotor Tor./Rated Tor.			3.07	
9.	Locked Rotor Cur./Rated Cur.			6.74	
10.	High Voltage Test V			1800	
11.	Hot Insulation Res. of Stator Winding MΩ			300.0	
12.	Temperature of Bearing °C			54	
13.	Unbalance of Current %			3.39	
14.	Full Load line Current A			2.581	
15.	Full Load input W			1295	
16.	Full Load torque Nm			7.276	
17.	Max.temp.of enclosure surface °C			51.9	
18.	No Load Current A			1.682	
19.	Slip %			3.753	
20.	Stator Winding phase resistance Ω (95°C)			5.2776	
21.	Stray Load Loss W			15.09	
22.	No Load Stator Power W			80.41	
23.	Core Loss W			32.67	
24.	Friction & Windage Loss W			8.832	
25.	Locked Rotor Power W			7698	
26.	Stator I ii R Loss W			94.89	
27.	Rotor I ii R Loss W			43.81	
28.	Locked Rotor Voltage 100.0V	Current A	2.837	Power W	233.8
Remark:		75%	84.2	50%	82.9