



Type Test Report

Type:TIE2 180L-4

Voltage:400V

Design:HIMAK ELECTRICAL MACHINERY

Output:22 KW

Connection: Δ /Y

Product:CY2009-08-107D-I

Frequency:50 Hz

Duty::S1

Report:20101211001

Test Item		Standard		Result	Memo
		Nominal	Tol		
1.	Efficiency %			91.7	
2.	Power facto			0.886	
3.	Tem,Rise of stator winding K			68	
4.	Vibration mm/s				
5.	Noise LP dB (A) (Lw)				
6.	Pullup torque/rated torque			3.05	
7.	Breakdown Torque/Rated torque			1.82	
8.	Locked rotorTor/ <i>Rated Tor</i>				
9.	Locked rotor Cur/ <i>Rated Cur</i>				
10.	High voltage test V			1760	
11.	Hot insulation Res.of stator winding $M \Omega$			0.0046	
12.	Temperature of bearing $^{\circ}C$			60	
13.	Unbalance of current %			3.80	
14.	Full load line current A			39.09	
15.	Full load inputW			23.99	
16.	Full load toque N.m N.m			143.1	
17.	Max.temp.of enclosure surface $^{\circ}C$			50.0	
18.	No load current A			14.19	
19.	Slip %			2.134	
20.	Stator winding phase resistance Ω ($95^{\circ}C$)			0.43340	
21.	Stray load loss W			0.2258	
22.	No load stator power W			0.6907	
23.	Core loss W			0.4969	
24.	Friction &windage loss W			0.1234	
25.	Locked rotor power W				
26.	Stator I^2R loss W			0.6589	
27.	Rotor I^2R loss W			0.4873	

Conclusion:

Reviewed:

Approved:

Tested: