



Type Test Report (single phase motor)

Type: T2Y90S-2 Voltage: 230 V Design list No: 上海特波电机有限公司
 Power: 1500 W Rated current: A Product No: 试验机
 Frequency: 50Hz Rated speed: r/min Report No: 20230404003
 Start C: uf Run C: 40uf/450v

Test Item		Value		Result
1	Efficiency %		81.0	
2	Power factor		0.987	
3	Temp.rise of stator main winding K		47.8	
4	Temp.rise of stator assist winding K		56.8	
5	Vibration mm/s			
6	Noise dB (A)(L w)			
7	Max torque/rated torque		2.01	
8	Pullup torque/rated torque		0.27	
9	Locked rotor tor./rated tor.		0.53	
10	Locked rotor cur./rated cur.		5.29	
11	Stator main winding resistance Ω 18.5 $^{\circ}$ C		1.4163	
12	Stator assist winding resistance Ω 18.5 $^{\circ}$ C		3.1800	
13	Temperature of bearing $^{\circ}$ C		40.0	
14	Full load line current A		8.153	
15	Full load torque N.m		4.986	
16	Slip %		4.231	
17	Full load speed r/min		2873.1	
18	Full load input w		1852	
19	No load current A		2.420	
20	No load input w		345.8	
21	Friction & Windage Loss w		49.59	
22	Locked rotor torque N.m		2.666	
23	Locked rotor current A		43.12	
24	Locked rotor Power w		7363	
25	Locked rotor current A (60V)		6.803	
26	Locked rotor Power W (60V)		278.8	
27	Locked rotor torque N.m(60V)		0.1039	
28	No load voltage of run capacitor end V		397	
29	Full load voltage of run capacitor end V		356	
30	Open speed of centrifugal switch r/min			
Remark:				