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M O D E L : TS05-0449 R A T I O : 1 : 225 ELECTRICAL 1. TYPE : SHADED POLE INDUCTION GEARED MOTOR 2. RATED VOLTAGE : AC 115 V 60 Hz 3. POLES : 2 P 4. NO LOAD CHARACTERISTICS At Geared Motor Ass'y 4-1. CURRENT : 2.8 A ± 15% 4-2. INPUT POWER : 110.0 W ± 15% 4-3. SPEED : 15.5 r/min ± 10% 4-4. STARTING VOLTAGE : 81 V MAX. 5. TORQUE CHARACTERISTICS At Geared Motor Ass'y, after 1minute running 5-1. BREAKDOWN TORQUE : 21.2 N · m MIN. 5-2. STARTING TORQUE : 9.8 N · m MIN. 6. LOCKED ROTOR CURRENT : 3.9 A MAX. 7. DIELECTRIC STRENGTH Motor shall withstand a potential of 1500V RMS for 1 minute(1800V RMS for 1 second) duration between coil leads and frame. (Cutoff Current 3 mA) 8. INSULATION RESISTANCE 100 MΩ minimum at DC 500V MEGA TESTER between winding and frame.						
DATE		SIGNATURE		CHANGE CONTENTS		
DESIGNED	CHECKED	APPROVED	MODEL NAME	TS05-0449 SHADED POLE GEARED MOTOR		
(주) 에스피지			RE- DATE		DRAWING NO	
SPG Co., Ltd.			DATE	2005.10.10	1-99-0504-49	

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9. TEMPERATURE RISE 9-1. WINDING : $\Delta T = 65$ deg MAX. (Thermo-Couple Method) (Rated Volt/Freq, No load) 9-2. PROTECTED TYPE : Thermally protected [$105 \pm 5^{\circ}\text{C}$] 10. CONNECTION : See drawing No. 1-99-0504-49 11. LEADS : Male Tab Terminal .250 12. INSULATION CLASS : A class 13. DUTY : Intermittent(S2, 3min MAX.) MECHANICAL 1. SHAFT RUN OUT : Measured - mm from shaft end - mm MAX. 2. OUTPUT SHAFT ENDPLAY : 0.8mm MAX. 3. BEARING : Oil Impregnated Sintered Bearings 4. LUBRICATION : Mineral Oil & Grease 5. VIBRATION : As per our sample 6. AUDIBLE NOISE : 70 dB MAX.(No Load) 1) 50cm distance from output shaft end side 2) Sound level meter "A" scale 3) Ambient noise : 25dB MAX. 4) At rated voltage, rated frequency 7. COLD FAN : None 8. LIFE : - 9. WEIGHT : About 1.5 Kg 10. APPEARANCE : To be free from any defects that will adversely affect appearance. 11. MARKING : See drawing No. 1-99-0504-49 12. DIMENSION : See drawing No. 1-99-0504-49 13. SHAFT POSITION : Horizontal 14. Maximum Permissible Torque of Gear Box : 16.7 N · m			
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