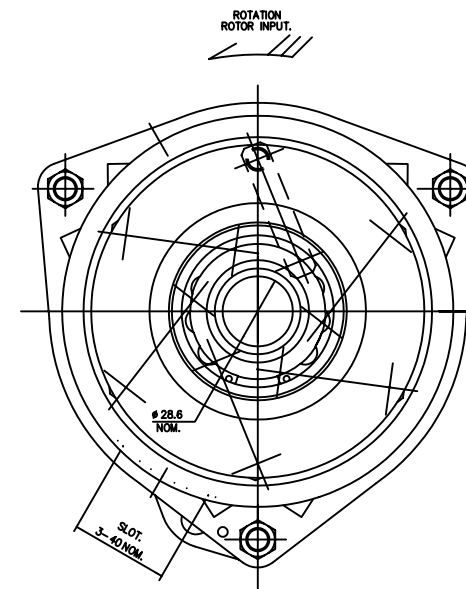
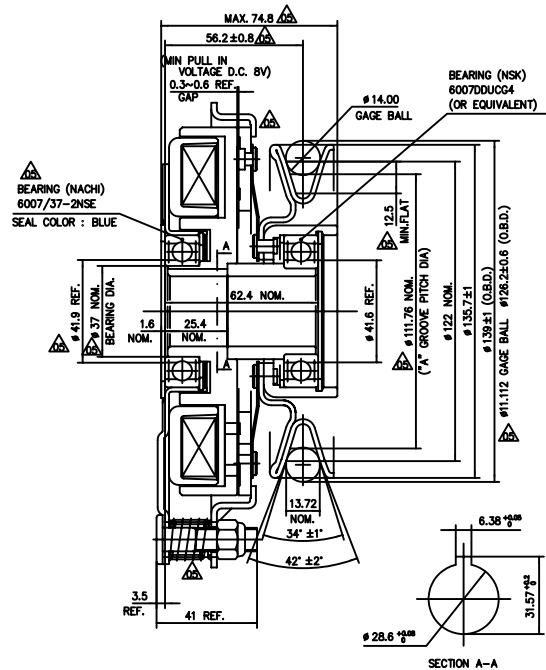
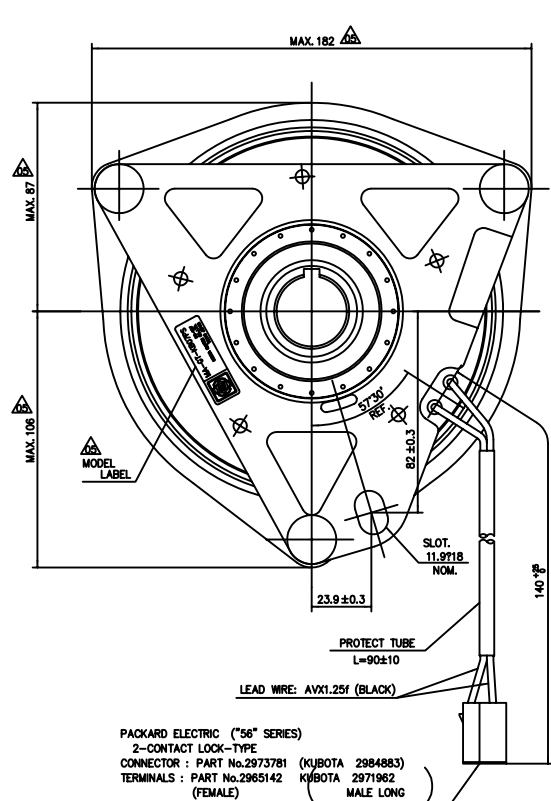


REV	REVISION STATUS	NOTE	DATE	ENG	CHK	BY
1	Notes Add.	(1) 5 After W.T.	5/20/87	Swamy	S.O	M.J.
2	Notes Add. etc.	(3) 4 Re checked	6/18/87	ALAN	N.S	M.J.
5	Change Series, etc.	(16) 2 Test complete	6/18/87	Swamy	N.S	M.J.



SPECIFICATIONS
EXCITING VOLTAGE : D.C. 12V
POWER CONSUMPTION : MAX.50W
WEIGHT : 5.3Kg[2.41lb]

- NOTES
1. Airgap must be adjusted when coilsprings and airgap adjustment nuts are incorporated into the clutch/brake at the assembly.
2. Friction surface treatment : (Rotor)
Coating treatment (Black)

Delete

ENGINEERING SPECIFICATION? (ABILITY)

- NO.1 STATIC CLUTCH TORQUE
INITIAL : 59N·m {44lb·ft} MIN.
AFTER BURNISHING : 147N·m {108lb·ft} MIN.
NO.2 STATIC BRAKE TORQUE
INITIAL : 2N·m {1.5lb·ft} MIN.
AFTER BURNISHING : 5.8N·m {4.3lb·ft} MIN.
BURNISHING CONDITIONS
1) NUMBER OF CYCLES : 100 CYCLES
2) DUTY CYCLE : 7.5SEC ON , 22.5SEC OFF
3) GD : 0.20Kg/m
J : 0.05Kg/m {1.185lb·ft}
(AT CLUTCH)
4) CLUTCH INPUT SPEED : 3800r/min

- NO.3 RATED VOLTAGE : D.C. 12±0.5V
NO.4 COIL RESISTANCE : 3.03±5%(AT 20°C)
NO.5 ALLOWABLE VOLTAGE : D.C. 10~16V
NO.6 ALLOWABLE AMBIENT TEMP : -20~90°C
NO.7 INSULATION RESISTANCE : MIN.100MΩ

(RELIABILITY / LIFE)

- NO.8 ELECTRIC STRENGTH : COMPONENT MUST WITHSTAND A.C. 500V FOR ONE MINUTE (OR A.C. 1000V FOR 30SEC) WITHOUT BREAK DOWN BETWEEN COIL WINDING AND FRAME
NO.9 LIFE (BENCH DURABILITY)
1) NUMBER OF CYCLES : 40000 CYCLES (WITH GAP ADJUSTMENT)
2) DUTY CYCLE : 7.5SEC ON / 22.5SEC OFF
3) GD : 0.20Kg/m
J : 0.05Kg/m {1.185lb·ft}
(AT CLUTCH)
4) CLUTCH INPUT SPEED : 3800r/min

- NO.10 CORROSION TEST : AFTER SALT SPRAY TEST (96HRS OF JIS-Z-2371) KEEP AT ROOM TEMP FOR 100HRS
NO.11 FREEZING TEST : AFTER MOMENTLY DIP IN TO THE WATER KEEP IN THE TEMP OF -20°C FOR 30MINUTE
NO.12 AIR GAP ADJUSTMENT : 0.8mm
REQUESTED GAP RE-ADJUSTMENT BETWEEN ARMATURE AND ROTOR
COMPONENT SHALL BE FUNCTIONAL AFTER THE TEST OF NO.9 THRU NO.11

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REVISION	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE
1	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE
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6	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE
7	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE
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19	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE
20	GENERAL	REWORK PROCESS	APPROVED BY	DATE	SCALE