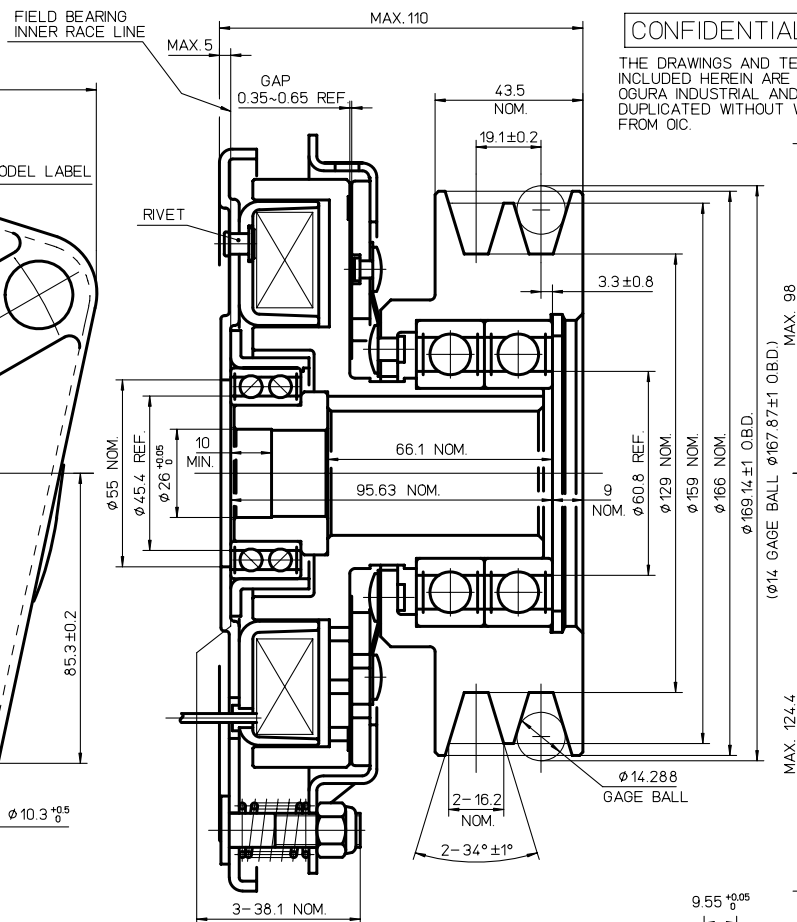
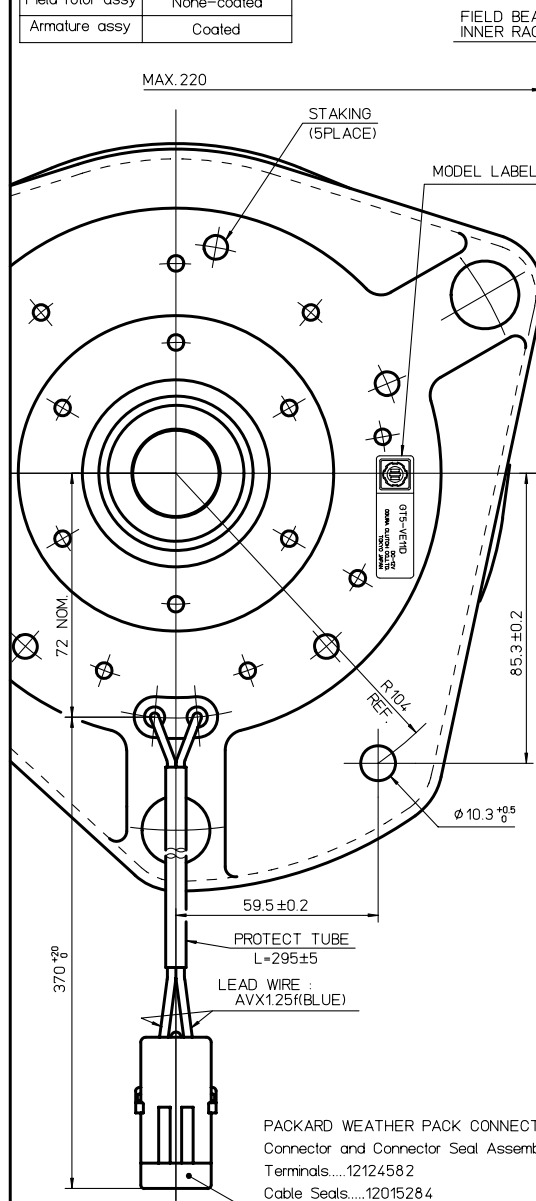
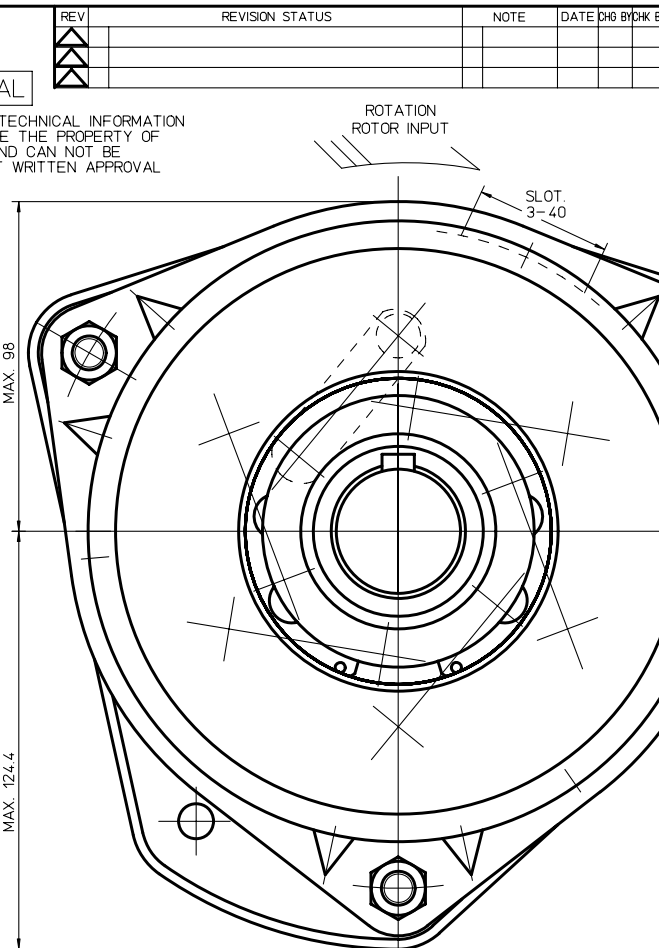


|                  |                  |
|------------------|------------------|
|                  | Friction surface |
| Field rotor assy | None-coated      |
| Armature assy    | Coated           |



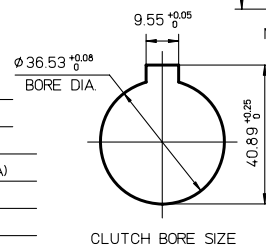
CONFIDENTIAL

THE DRAWINGS AND TECHNICAL INFORMATION INCLUDED HEREIN ARE THE PROPERTY OF OGURA INDUSTRIAL AND CAN NOT BE DUPLICATED WITHOUT WRITTEN APPROVAL FROM OIC



- NOTES : 1. Airgaps must be adjusted when coilsprings and airgap adjustment nuts are incorporated into the clutch/brake at the assembly.
2. Phosphate coating (Armature plate)
3. This clutch model is burnished at the factory before shipment.

| SPECIFICATIONS (at 20°C)             |            | φ3<br>B |
|--------------------------------------|------------|---------|
| EXCITING VOLTAGE                     | D.C. 12 V  |         |
| POWER CONSUMPTION                    | MAX. 68 W  |         |
| STATIC CLUTCH TORQUE                 |            |         |
| PREBURNISHED MIN. 110 N·m (at OGURA) |            |         |
| FINAL NOMINAL 475 N·m                |            |         |
| STATIC BRAKE TORQUE                  |            |         |
| INITIAL MIN. 25 N·m                  |            |         |
| FINAL REFERENCE, 10 N·m              |            |         |
| MIN PULL IN VOLTAGE                  | D.C. 8.5 V |         |
| (COPPER COIL)                        |            |         |



CLUTCH BORE SIZE

DIESEL ENGINE TYPE

|                                                          |  |                                     |  |                 |  |                                |  |                         |             |       |    |
|----------------------------------------------------------|--|-------------------------------------|--|-----------------|--|--------------------------------|--|-------------------------|-------------|-------|----|
| SURFACE<br>ROUGHNESS<br>UNLESS<br>OTHERWISE<br>SPECIFIED |  | GENERAL<br>TOLERANCE<br>FOR CLASS K |  | WORKING PROCESS |  | APPROVED BY <i>M. Hato</i>     |  | DATE                    | Aug 27 2008 | SIZE  | A2 |
|                                                          |  | RANGE                               |  | TOL.            |  | CHECKED BY <i>I. Saganawa</i>  |  | DATE                    | Aug 27 2008 | SCALE |    |
| ▽ 50S                                                    |  | OVER 0.5                            |  | 6 ± 0.1         |  | DESIGNED BY <i>R. Sugiyama</i> |  | DATE                    | Aug 27 2008 | 1 / 1 |    |
| ▽ 25S                                                    |  | 6                                   |  | 30 ± 0.2        |  | DRAWN BY <i>M. Imai</i>        |  | DATE                    | Aug 27 2008 |       |    |
| ▽▽ 6S                                                    |  | 30                                  |  | 120 ± 0.3       |  | CUSTOMER                       |  | VERMEER                 |             |       |    |
| ▽▽▽ 3S                                                   |  | 120                                 |  | 315 ± 0.5       |  | MODEL                          |  |                         |             |       |    |
| ▽▽▽▽ 0.8S                                                |  | 315                                 |  | 1000 ± 0.8      |  | HEAT TREAT                     |  | O                       |             |       |    |
| HISTORY                                                  |  | PLANT                               |  | PARTS CODE      |  | SURFACE TREAT                  |  | O                       |             |       |    |
| ISSUE NO                                                 |  | 53369700                            |  | 5913100000      |  | NAME                           |  | MAGNETIC CLUTCH & BRAKE |             |       |    |
| ISSUE DATE                                               |  | 0904                                |  | 0904            |  | DWG NO                         |  | 53369700                |             |       |    |
|                                                          |  | 09                                  |  | 09              |  |                                |  | 00                      |             |       |    |
|                                                          |  | 09                                  |  | 09              |  |                                |  | 00                      |             |       |    |