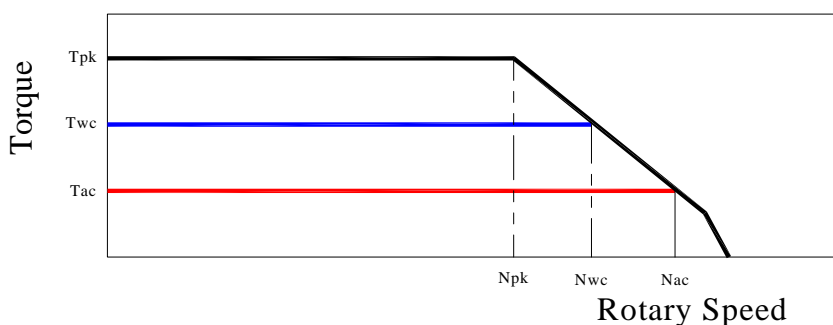
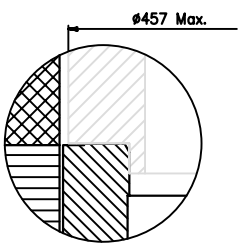
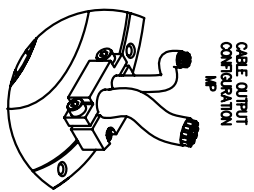
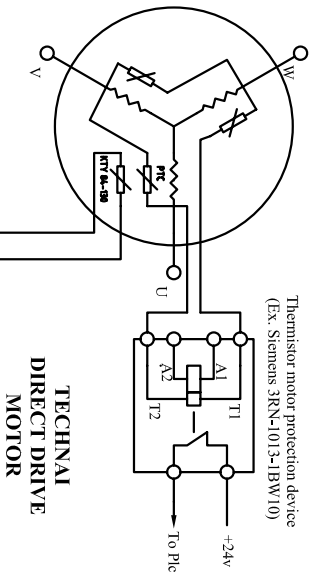
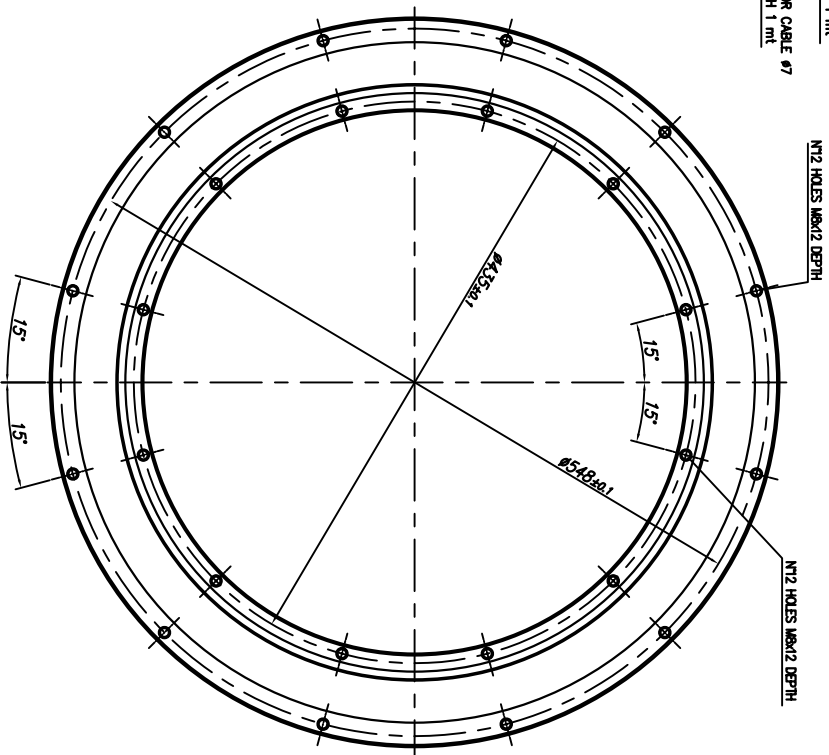
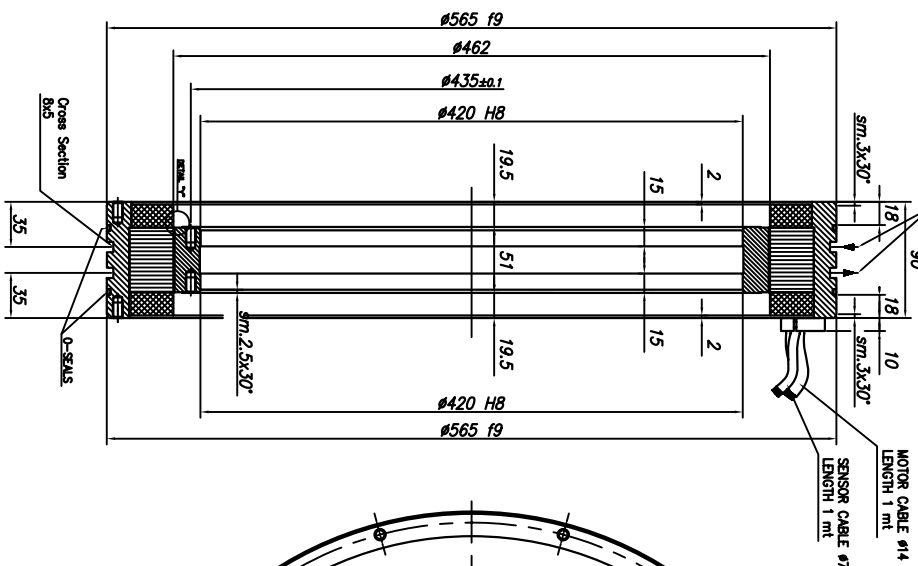
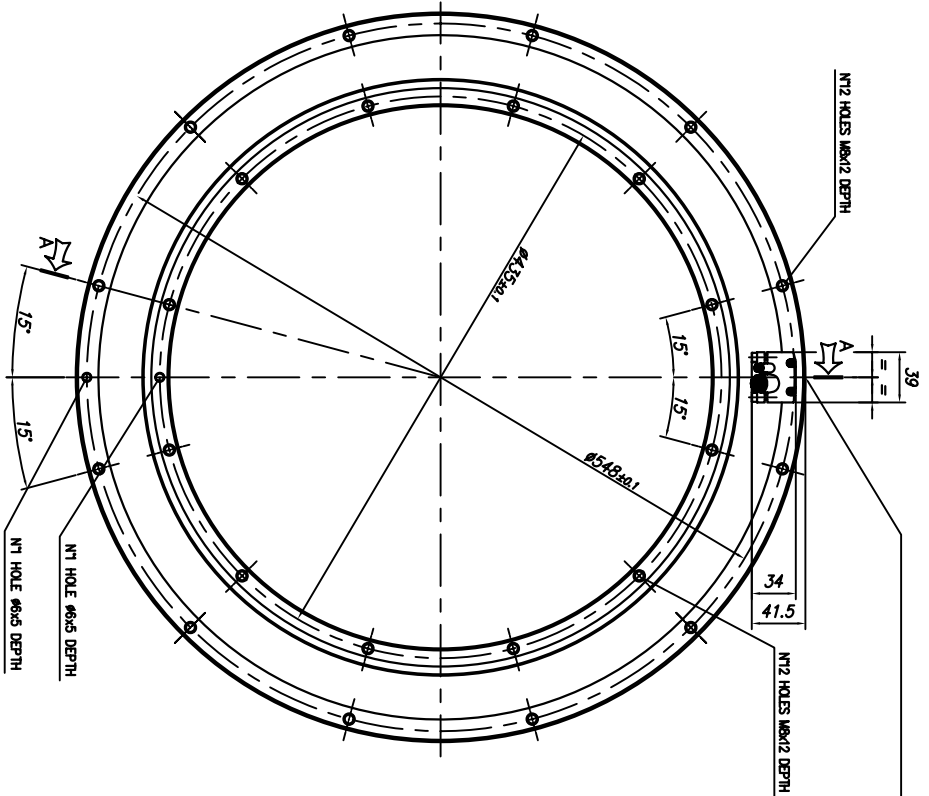


TORQUE MOTOR - MK-CIC 530-050 WA

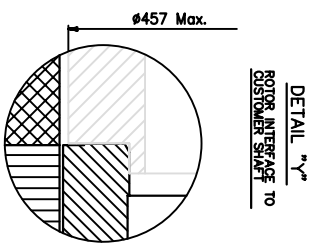
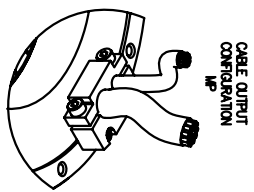
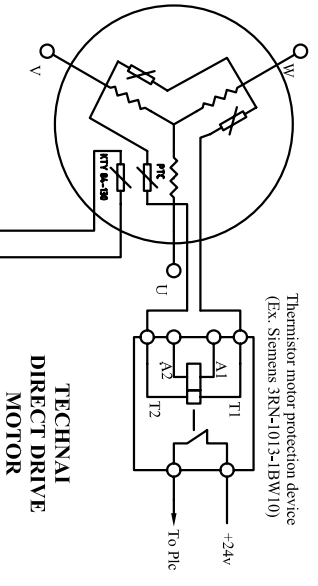
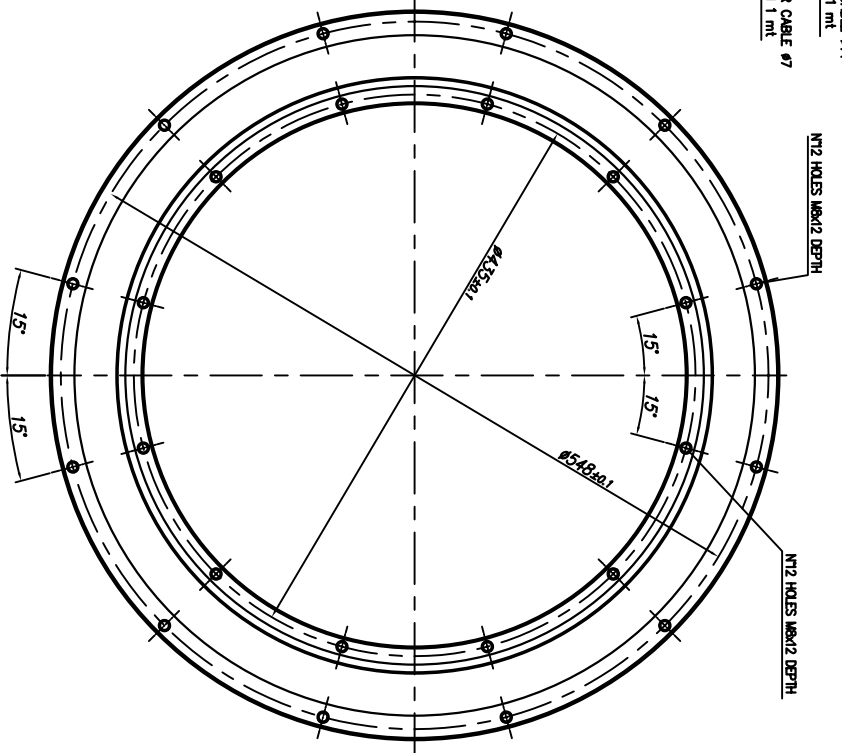
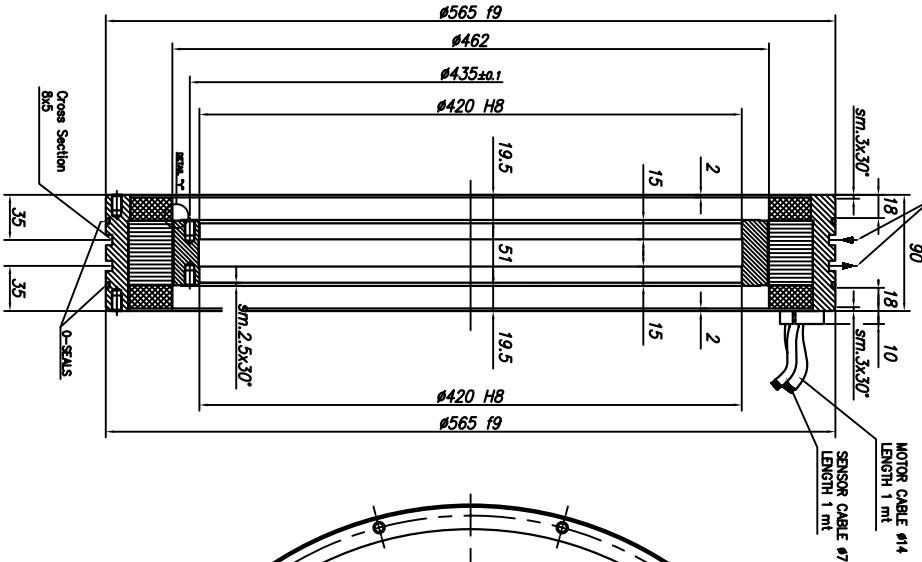
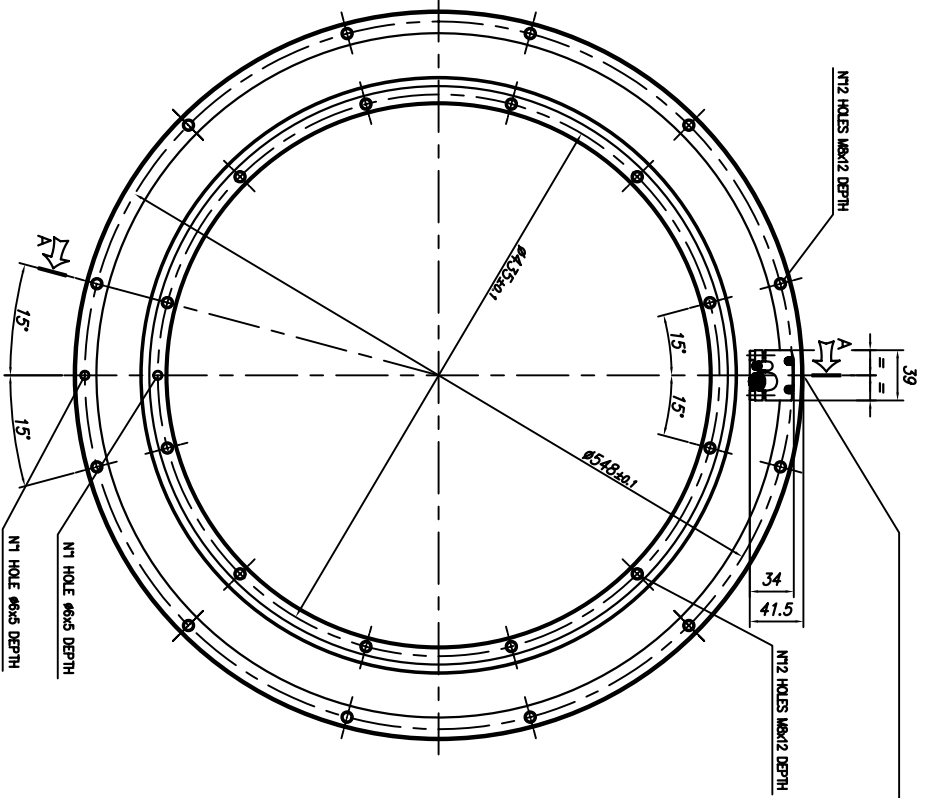
| Motor specification | Symbol | Unit | |
|--|--------|--------------------|------|
| Number of pole | P | | 88 |
| Peak Torque | Tpk | Nm | 1715 |
| Continuos Torque (Water Cooling Dt100) | Twc | Nm | 924 |
| Continuos Torque (Air Cooling Dt100) | Tac | Nm | 420 |
| Stall Torque (Water Cooling) | Twsc | Nm | 705 |
| Stall Torque (Air Cooling) | Tsac | Nm | 321 |
| Ripple Torque (Cogging Torque) | Tr | Nm | 9 |
| Power Loss at Twc | Pwc | Kw | 3,7 |
| Power Loss at Tac | Pac | Kw | 0,75 |
| Termal Resistance Water Cooling | RthWc | Kw | 0,03 |
| Termal Resistance Air Cooling | RthAc | Kw | 0,13 |
| Torque Constant | Kt | Nm/a | 39,5 |
| Back EMF Constant | Ke | V/1000 Rpm | 2386 |
| Maximum Speed at Ipk at 600 Vdc | Npk | rpm | 40 |
| Maximum Speed at Iwc at 600 Vdc | Nwc | rpm | 100 |
| Maximum Speed at Iac at 600 Vdc | Nac | rpm | 140 |
| Winding Resistance (Phase to Phase) | R20 | Ω | 2,8 |
| Winding Inductance (Phase to Phase) | L | mh | 25 |
| Peak Current | Ipk | Arms | 63 |
| Continuos Current (Water Cooling Dt100) | Ivc | Arms | 24,5 |
| Continuos Current (Air Cooling Dt100) | Iac | Arms | 11,3 |
| Stall Current at 0 Speed (Water Cooling) | Iswc | Arms | 18,7 |
| Stall Current at 0 Speed (Air Cooling) | Isac | Arms | 8,6 |
| Maximum Winding Temperature | | $^{\circ}\text{C}$ | 130 |
| Height of Rotor | | mm | 50 |
| Height of Stator | | mm | 90 |
| Stator jacket outer diameter | | mm | 565 |

Torque diagram





| | | | | |
|--|------------|-------|------|----------|
| T. SCALE | DATE | BY | CHKD | APPROVED |
| RAW MATERIAL | | | | |
| RAW DIMENSIONS | | | | |
| TECHNICAL | DATE | SCALE | | |
| TECHNAI | 15.08.2008 | SCALE | | |
| TECHNICAL GENERAL ASSEMBLY WORKING ROTOR-STATOR KIT MK-CIC 530 MK-CIC 530-050 MP SHEET 1 OF 1 | | | | |



| | | | |
|----------------|-----------------------------|-------|-------------|
| T. SCALE | DATE | BY | APPROVED BY |
| RAW MATERIAL | | | |
| RAW DIMENSIONS | | | |
| CONTRACT NO. | DATE | SCALE | |
| TECHNAI | 10.08.2008 | SCALE | |
| TECHNAI | | | |
| PROJECT | GENERAL ASSEMBLY | | |
| WORK | ROTOR-STATOR KIT MK-CIC 530 | | |
| COD | MK-CIC 530-050 MP | | |
| SHEET | 1 OF 1 | | |