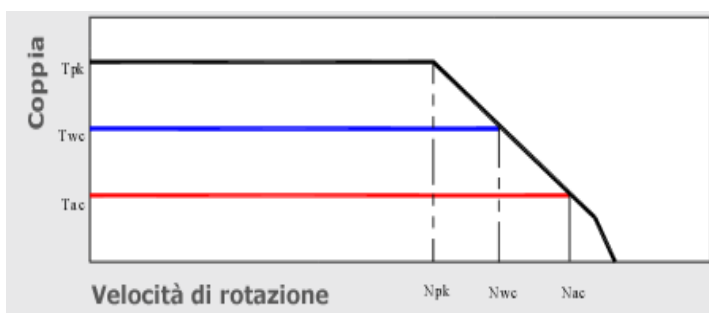


MOTORE TORQUE - MK-CI 290-030 WA

| Specifiche Motore | Simbolo | Unità | |
|--|-------------------|------------|------|
| Numero di poli | P | | 66 |
| Coppia di Picco | T _{pk} | Nm | 260 |
| Coppia Continuativa (Raff. Liquido Dt100) | T _{wc} | Nm | 134 |
| Coppia Continuativa (Raff. Aria Dt100) | T _{ac} | Nm | 59 |
| Coppia di Stallo (Raff. Liquido) | T _{wsc} | Nm | 102 |
| Coppia di Stallo (Raff. Aria) | T _{sac} | Nm | 45 |
| Ripple di Coppia (Cogging) | Tr | Nm | 1,2 |
| Potenza Dissipata (Raff. Liquido) | P _{wc} | Kw | 1,7 |
| Potenza Dissipata (Raff. Aria) | P _{ac} | Kw | 0,35 |
| Resistenza Termica (Raff. Liquido) | R _{thWc} | Kw | 0,07 |
| Resistenza Termica (Raff. Aria) | R _{thAc} | Kw | 0,31 |
| Costante di Coppia | K _t | Nm/a | 8,06 |
| Costante di tensione | K _e | V/1000 Rpm | 494 |
| Massima Velocità a I _{pk} a 600 Vdc | N _{pk} | rpm | 330 |
| Massima Velocità a I _{wc} a 600 Vdc | N _{wc} | rpm | 660 |
| Massima Velocità a I _{ac} a 600 Vdc | N _{ac} | rpm | 760 |
| Resistenza (Fase-Fase) | R ₂₀ | Ω | 2,9 |
| Induttanza (Fase-Fase) | L | mh | 6,8 |
| Corrente di Picco | I _{pk} | Arms | 46 |
| Corrente continuativa (Raff. Liquido Dt100) | I _{wc} | Arms | 16,9 |
| Corrente Continuativa (Raff. Aria Dt100) | I _{ac} | Arms | 7,5 |
| Corrente di Stallo 0 Rpm (Raff. Liquido) | I _{wsc} | Arms | 12,9 |
| Corrente di Stallo 0 Rpm (Raff. Aria) | I _{sac} | Arms | 5,7 |
| Massima temperatura di avvolgimento | | °C | 130 |
| Altezza del Rotore | | mm | 30 |
| Altezza dello statore | | mm | 70 |
| Diametro esterno statore | | mm | 310 |

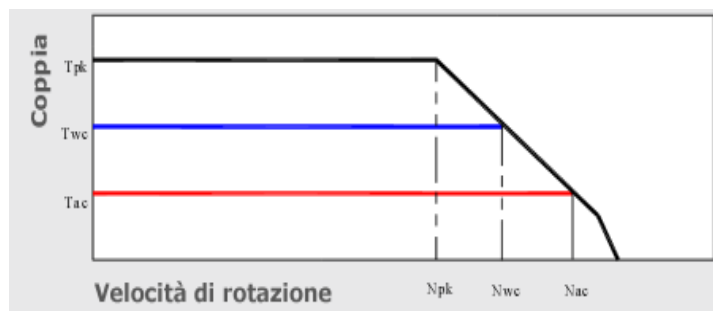
Diagramma di coppia

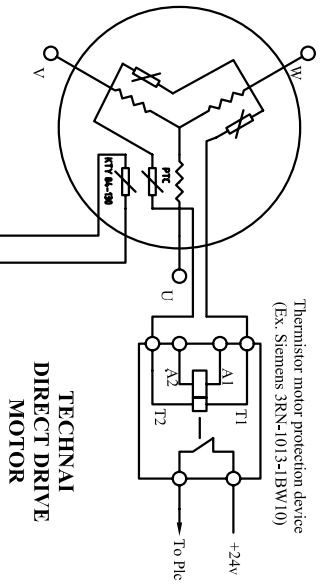
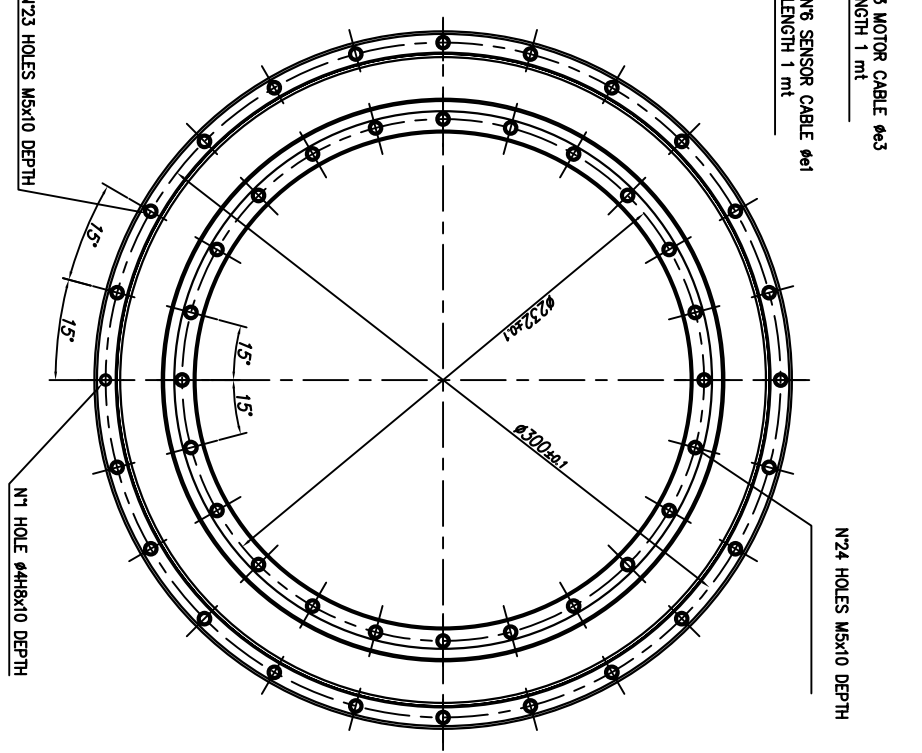
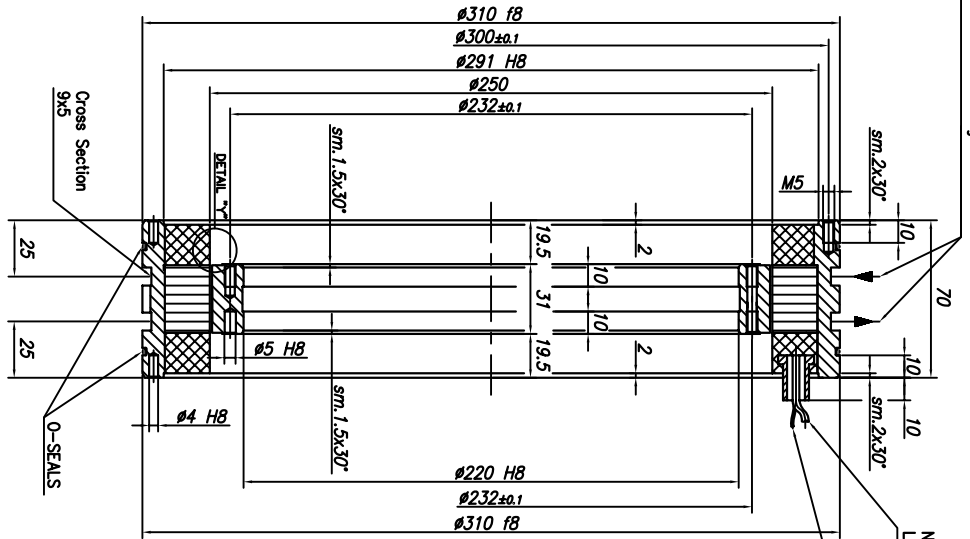
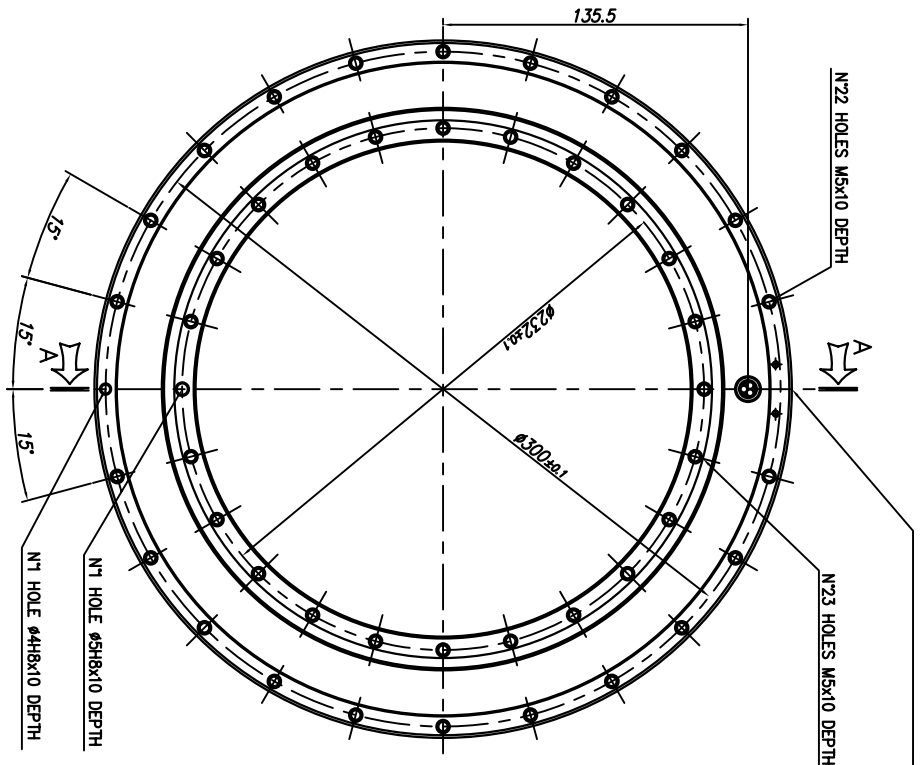


MOTORE TORQUE - MK-CI 290-030 WB

| Specifiche Motore | Simbolo | Unità | |
|--|-------------------|------------|------|
| Numero di poli | P | | 66 |
| Coppia di Picco | T _{pk} | Nm | 260 |
| Coppia Continuativa (Raff. Liquido Dt100) | T _{wc} | Nm | 134 |
| Coppia Continuativa (Raff. Aria Dt100) | T _{ac} | Nm | 54 |
| Coppia di Stallo (Raff. Liquido) | T _{wsc} | Nm | 102 |
| Coppia di Stallo (Raff. Aria) | T _{sac} | Nm | 41 |
| Ripple di Coppia (Cogging) | Tr | Nm | 1 |
| Potenza Dissipata (Raff. Liquido) | P _{wc} | Kw | 1,7 |
| Potenza Dissipata (Raff. Aria) | P _{ac} | Kw | 0,35 |
| Resistenza Termica (Raff. Liquido) | R _{thWc} | Kw | 0,07 |
| Resistenza Termica (Raff. Aria) | R _{thAc} | Kw | 0,31 |
| Costante di Coppia | K _t | Nm/a | 3,7 |
| Costante di tensione | K _e | V/1000 Rpm | 227 |
| Massima Velocità a I _{pk} a 600 Vdc | N _{pk} | rpm | 750 |
| Massima Velocità a I _{wc} a 600 Vdc | N _{wc} | rpm | 1430 |
| Massima Velocità a I _{ac} a 600 Vdc | N _{ac} | rpm | 1700 |
| Resistenza (Fase-Fase) | R ₂₀ | Ω | 0,72 |
| Induttanza (Fase-Fase) | L | mh | 1,7 |
| Corrente di Picco | I _{pk} | Arms | 92 |
| Corrente continuativa (Raff. Liquido Dt100) | I _{wc} | Arms | 33,5 |
| Corrente Continuativa (Raff. Aria Dt100) | I _{ac} | Arms | 15 |
| Corrente di Stallo 0 Rpm (Raff. Liquido) | I _{wsc} | Arms | 25,5 |
| Corrente di Stallo 0 Rpm (Raff. Aria) | I _{sac} | Arms | 11,5 |
| Massima temperatura di avvolgimento | | °C | 130 |
| Altezza del Rotore | | mm | 30 |
| Altezza dello statore | | mm | 70 |
| Diametro esterno statore | | mm | 310 |

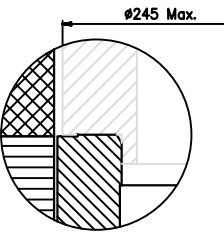
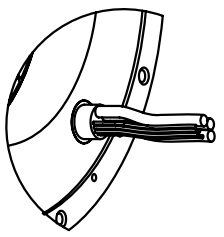
Diagramma di coppia





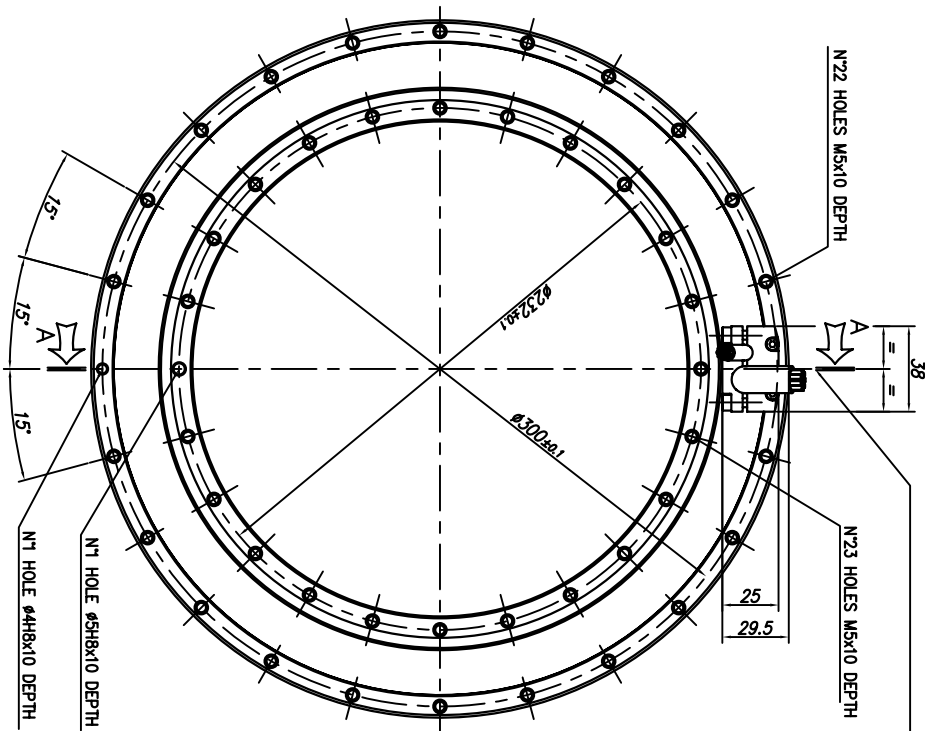
Thermistor motor protection device
(Ex: Siemens 3RN-1013-1BW10)

To Drive with KTY 84 input (Ex: Simodrive 611D/U) or multimeter with the appropriate rating



DETAIL "Y-Y"
ROTOR INTERFACE TO CUSTOMER SHAFT

| | | | |
|----------------------------|--|-----------------------|--|
| TECHNAI | | GENERAL ASSEMBLY | |
| ROTOR-STATOR KIT MK-CI 290 | | MK-CI 290-030 MF | |
| REV. 1.0 | | REV. 1.0 | |
| DATE: 15/05/2014 | | DATE: 15/05/2014 | |
| DRAWN: [Signature] | | CHECKED: [Signature] | |
| APPROVED: [Signature] | | APPROVED: [Signature] | |



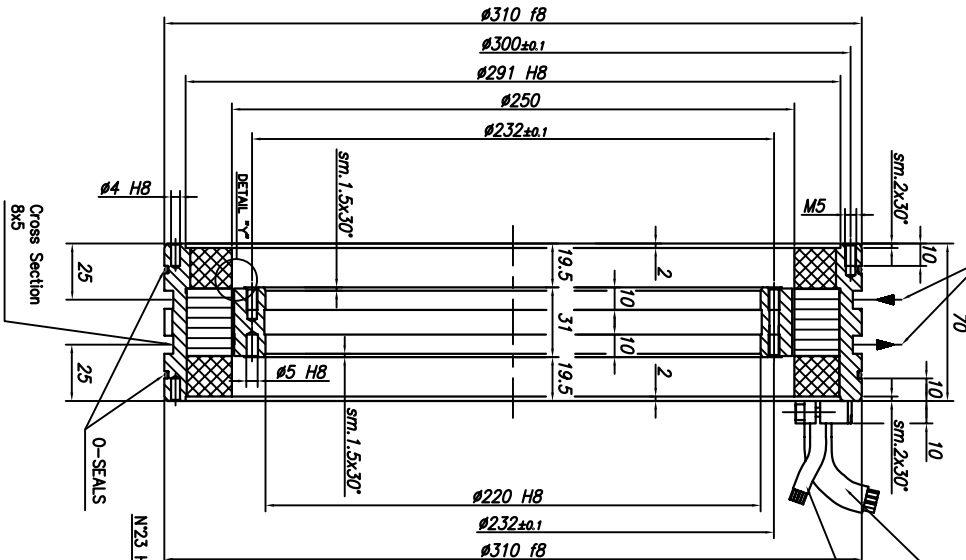
Thermistor motor protection device
(Ex. Siemens 3RN-1013-1BW10)

TECHNAI
DIRECT DRIVE
MOTOR

To Drive with KTY 84 input (Ex. Simodrive 611D(U) or multimeter with the appropriate rating)

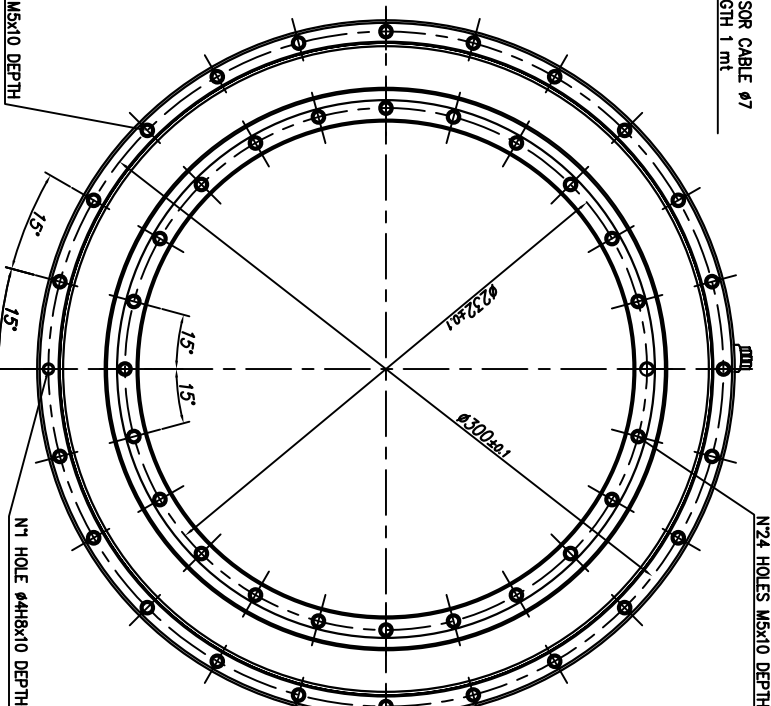
Water Cooling IN
Water Cooling OUT

SECTION "A-A"

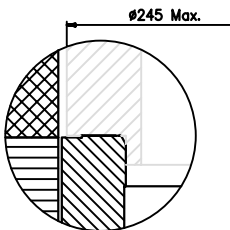


MOTOR CABLE $\phi 12$
LENGTH 1 m

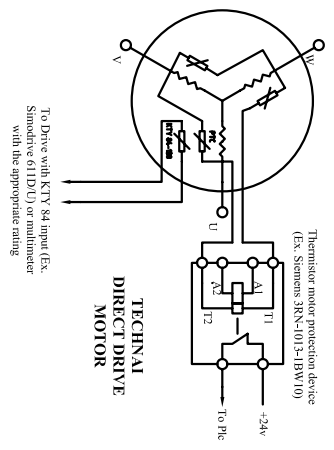
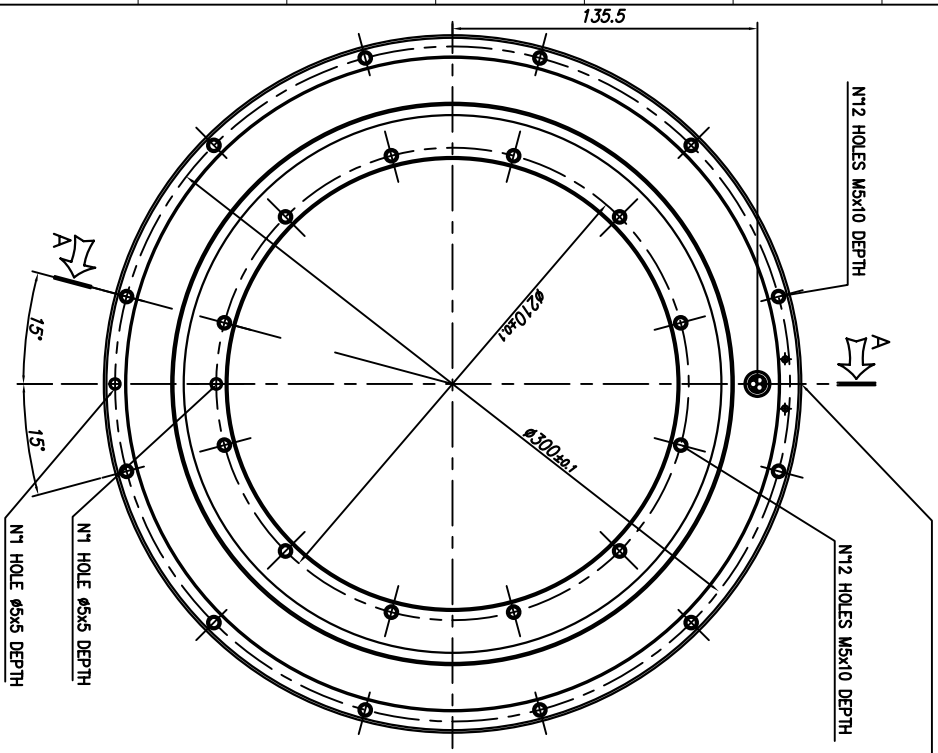
SENSOR CABLE $\phi 7$
LENGTH 1 m



DETAIL "Y-Y"
ROTOR INTERFACe TO
CUSTOMER SHAFT

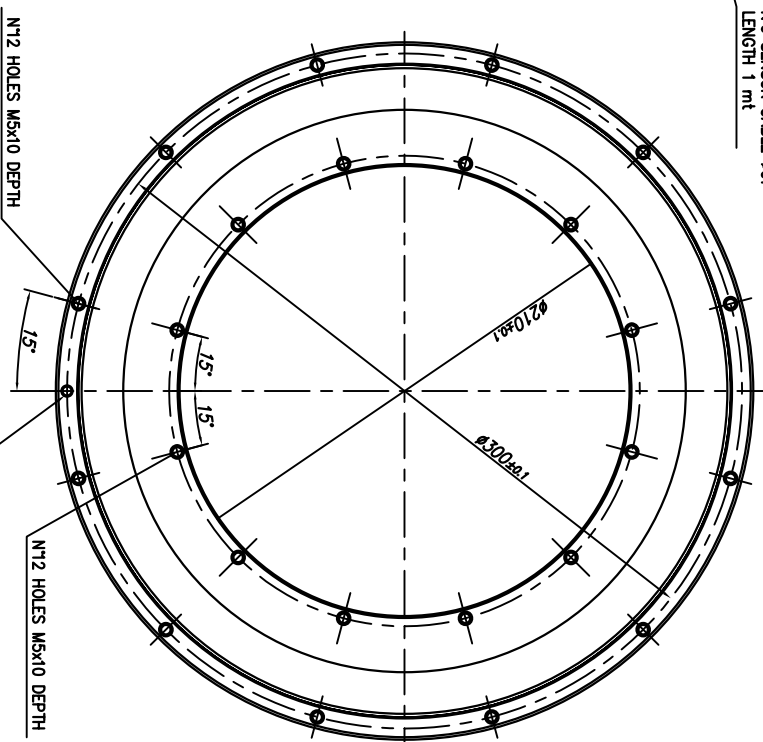
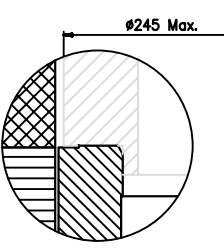
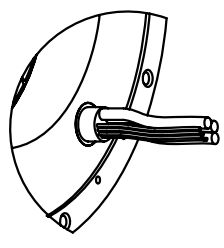
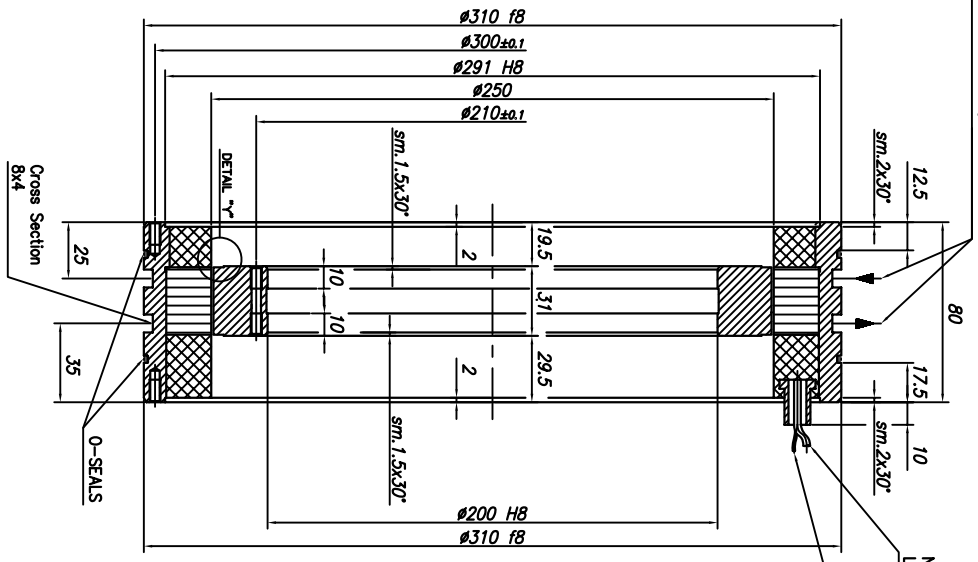


| | | | |
|----------------------------|--|------------------|--|
| TECHNAI | | GENERAL ASSEMBLY | |
| ROTOR-STATOR KIT MK-CI 290 | | | |
| MK-CI 290-030 MP | | | |
| 1/1 | | | |



Water Cooling IN
Water Cooling OUT

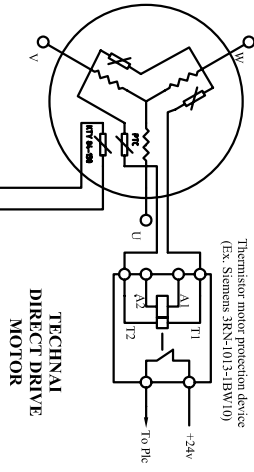
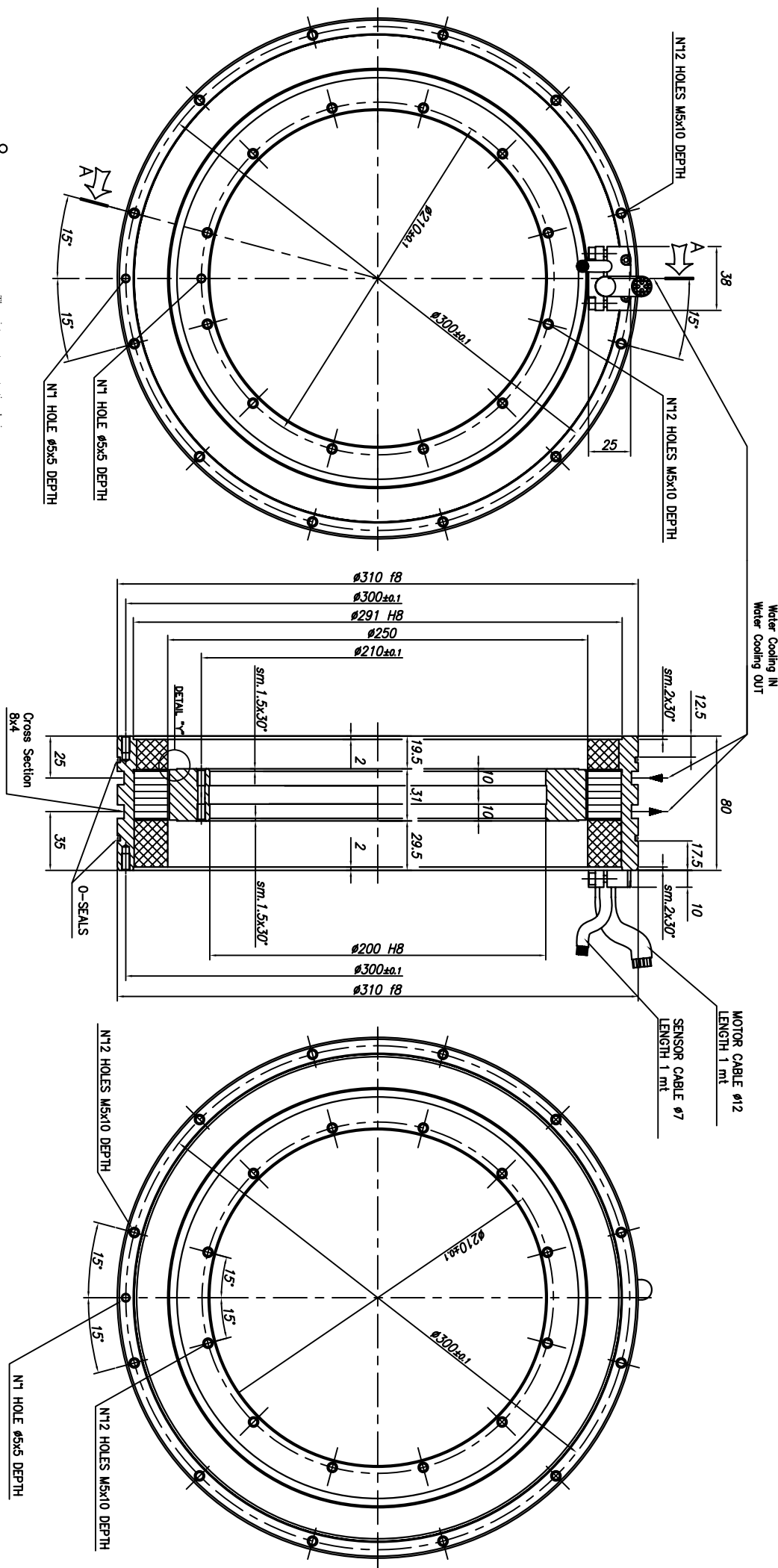
SECTION "A-A"



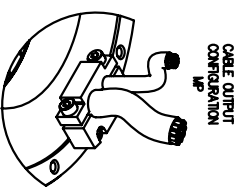
Proprietà esclusiva di TECNICAL Team s.r.l. - Reproduzione e diffusione vietata, senza autorizzazione scritta.

| | |
|------------|-----------------------------|
| PRODOTTORE | TECNICAL |
| MODELLO | ROTOR-STATOR KIT MK-CI 2905 |
| VERSIONE | 030 |
| DATA | 1.9.1 |
| SCALE | 1:1 |
| PRODOTTORE | TECNICAL |
| MODELLO | ROTOR-STATOR KIT MK-CI 2905 |
| VERSIONE | 030 |
| DATA | 1.9.1 |
| SCALE | 1:1 |

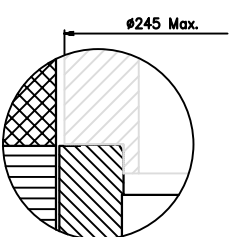
SECTION "A-A"



To Drive with KTY 84 input (Ex. Simodrive 61D(U) or multimeter with the appropriate rating)



CABLE OUTPUT CONFIGURATION



DETAIL "Y" Rotor Interface to CUSTOMER SHAFT

| GENERAL ASSEMBLY | |
|-----------------------------|---------|
| REV. | 1.0 |
| DATE | 01/2018 |
| TECNICAL | |
| ROTOR-STATOR KIT MK-CI 2905 | |
| MK-CI 2905-030 MP | |
| SCALE | 1:1 |