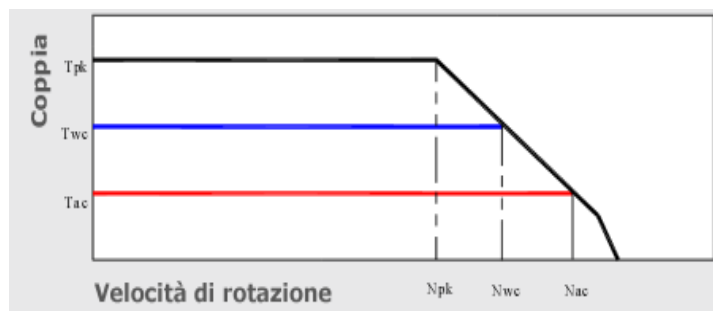


## MOTORE TORQUE - MK-CIC 360-070 WA

Specifiche Motore	Simbolo	Unità	
Numero di poli	P		66
Coppia di Picco	T <sub>pk</sub>	Nm	1013
Coppia Continuativa (Raff. Liquido Dt100)	T <sub>wc</sub>	Nm	587
Coppia Continuativa (Raff. Aria Dt100)	T <sub>ac</sub>	Nm	249
Coppia di Stallo (Raff. Liquido)	T <sub>wsc</sub>	Nm	472
Coppia di Stallo (Raff. Aria)	T <sub>sac</sub>	Nm	190
Ripple di Coppia (Cogging)	Tr	Nm	2,5
Potenza Dissipata (Raff. Liquido)	P <sub>wc</sub>	Kw	3,65
Potenza Dissipata (Raff. Aria)	P <sub>ac</sub>	Kw	0,62
Resistenza Termica (Raff. Liquido)	R <sub>thWc</sub>	Kw	0,03
Resistenza Termica (Raff. Aria)	R <sub>thAc</sub>	Kw	0,16
Costante di Coppia	K <sub>t</sub>	Nm/a	21,3
Costante di tensione	K <sub>e</sub>	V/1000 Rpm	1313
Massima Velocità a I <sub>pk</sub> a 600 Vdc	N <sub>pk</sub>	rpm	100
Massima Velocità a I <sub>wc</sub> a 600 Vdc	N <sub>wc</sub>	rpm	200
Massima Velocità a I <sub>ac</sub> a 600 Vdc	N <sub>ac</sub>	rpm	290
Resistenza (Fase-Fase)	R <sub>20</sub>	Ω	2
Induttanza (Fase-Fase)	L	mh	21,3
Corrente di Picco	I <sub>pk</sub>	Arms	73,5
Corrente continuativa (Raff. Liquido Dt100)	I <sub>wc</sub>	Arms	29,4
Corrente Continuativa (Raff. Aria Dt100)	I <sub>ac</sub>	Arms	12
Corrente di Stallo 0 Rpm (Raff. Liquido)	I <sub>wsc</sub>	Arms	22,4
Corrente di Stallo 0 Rpm (Raff. Aria)	I <sub>sac</sub>	Arms	9,2
Massima temperatura di avvolgimento		°C	130
Altezza del Rotore		mm	70
Altezza dello statore		mm	110
Diametro esterno statore		mm	385

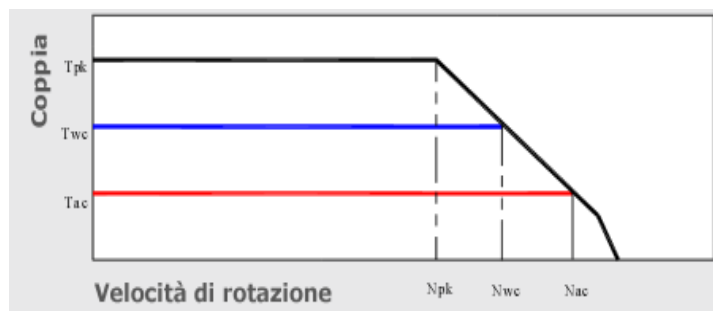
### Diagramma di coppia

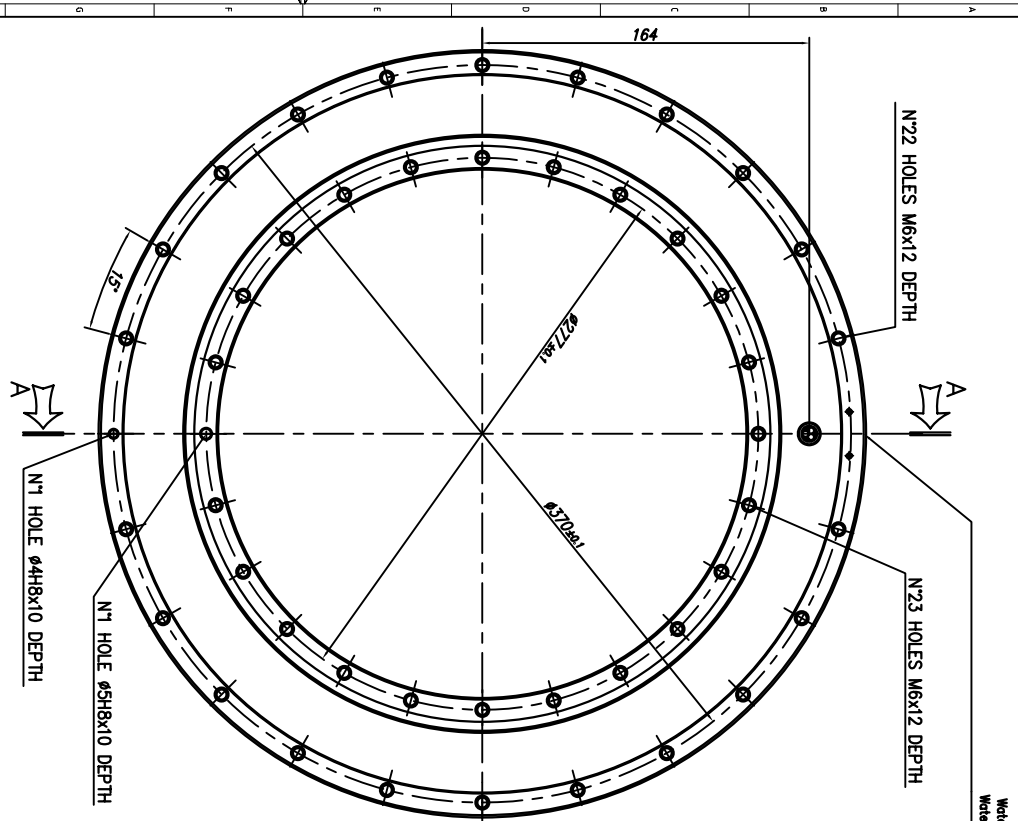


## MOTORE TORQUE - MK-CIC 360-070 WB

Specifiche Motore	Simbolo	Unità	
Numero di poli	P		66
Coppia di Picco	T <sub>pk</sub>	Nm	1013
Coppia Continuativa (Raff. Liquido Dt100)	T <sub>wc</sub>	Nm	584
Coppia Continuativa (Raff. Aria Dt100)	T <sub>ac</sub>	Nm	247
Coppia di Stallo (Raff. Liquido)	T <sub>wsc</sub>	Nm	468
Coppia di Stallo (Raff. Aria)	T <sub>sac</sub>	Nm	190
Ripple di Coppia (Cogging)	Tr	Nm	2,5
Potenza Dissipata (Raff. Liquido)	P <sub>wc</sub>	Kw	3,65
Potenza Dissipata (Raff. Aria)	P <sub>ac</sub>	Kw	0,62
Resistenza Termica (Raff. Liquido)	R <sub>thWc</sub>	Kw	0,03
Resistenza Termica (Raff. Aria)	R <sub>thAc</sub>	Kw	0,16
Costante di Coppia	Kt	Nm/a	13,6
Costante di tensione	Ke	V/1000 Rpm	839
Massima Velocità a I <sub>pk</sub> a 600 Vdc	N <sub>pk</sub>	rpm	170
Massima Velocità a I <sub>wc</sub> a 600 Vdc	N <sub>wc</sub>	rpm	340
Massima Velocità a I <sub>ac</sub> a 600 Vdc	N <sub>ac</sub>	rpm	460
Resistenza (Fase-Fase)	R <sub>20</sub>	Ω	0,83
Induttanza (Fase-Fase)	L	mh	6
Corrente di Picco	I <sub>pk</sub>	Arms	116
Corrente continuativa (Raff. Liquido Dt100)	I <sub>wc</sub>	Arms	45,6
Corrente Continuativa (Raff. Aria Dt100)	I <sub>ac</sub>	Arms	19
Corrente di Stallo 0 Rpm (Raff. Liquido)	I <sub>wsc</sub>	Arms	35
Corrente di Stallo 0 Rpm (Raff. Aria)	I <sub>sac</sub>	Arms	14,5
Massima temperatura di avvolgimento		°C	130
Altezza del Rotore		mm	70
Altezza dello statore		mm	110
Diametro esterno statore		mm	385

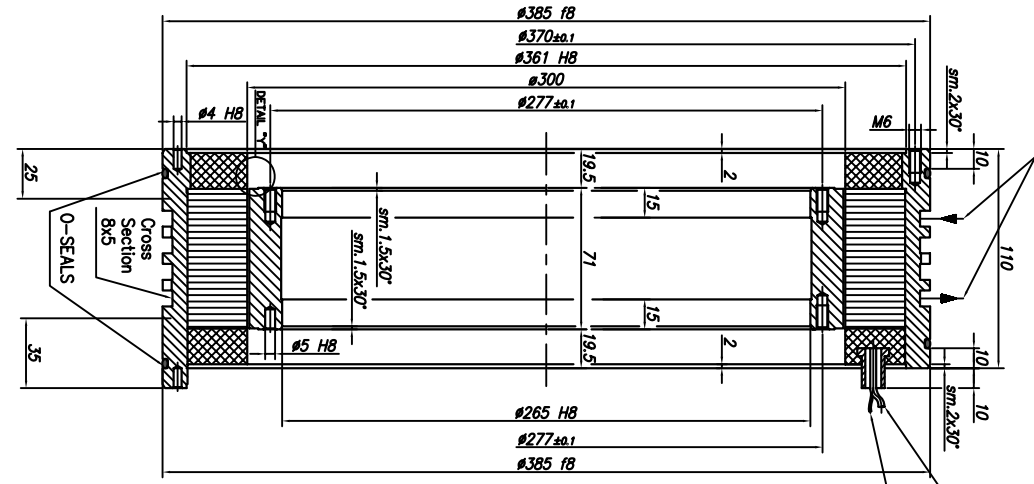
### Diagramma di coppia





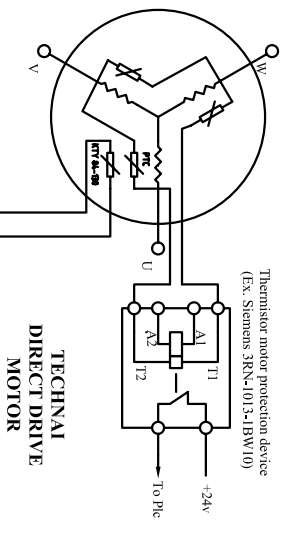
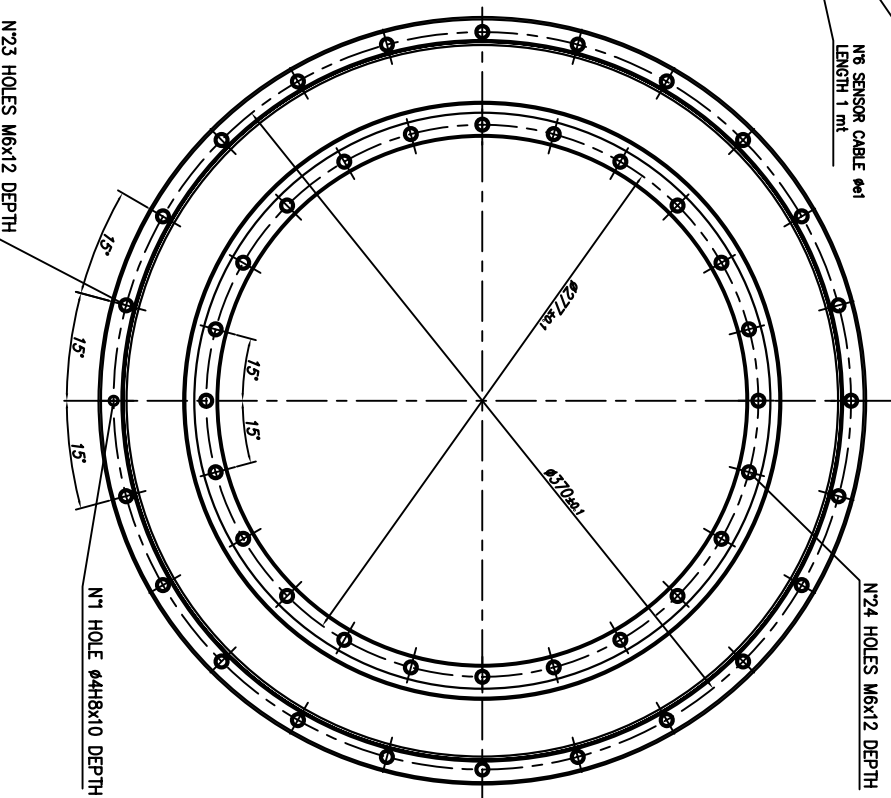
Water Cooling IN  
Water Cooling OUT

SECTION "A-A"



N3 MOTOR CABLE #43  
LENGTH 1 mt.

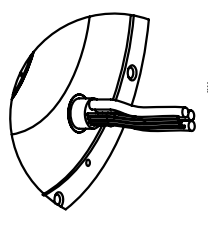
N8 SENSOR CABLE #41  
LENGTH 1 mt.



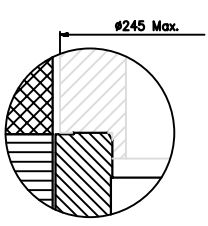
Thermistor motor protection device  
(Ex: Siemens 3RN-1013-1BW10)

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

TECHNAI  
DIRECT DRIVE  
MOTOR

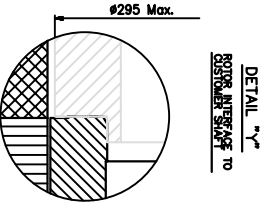
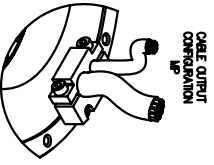
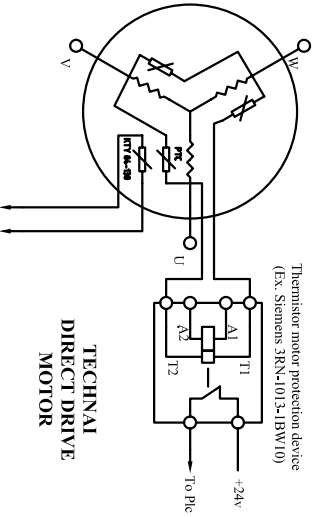
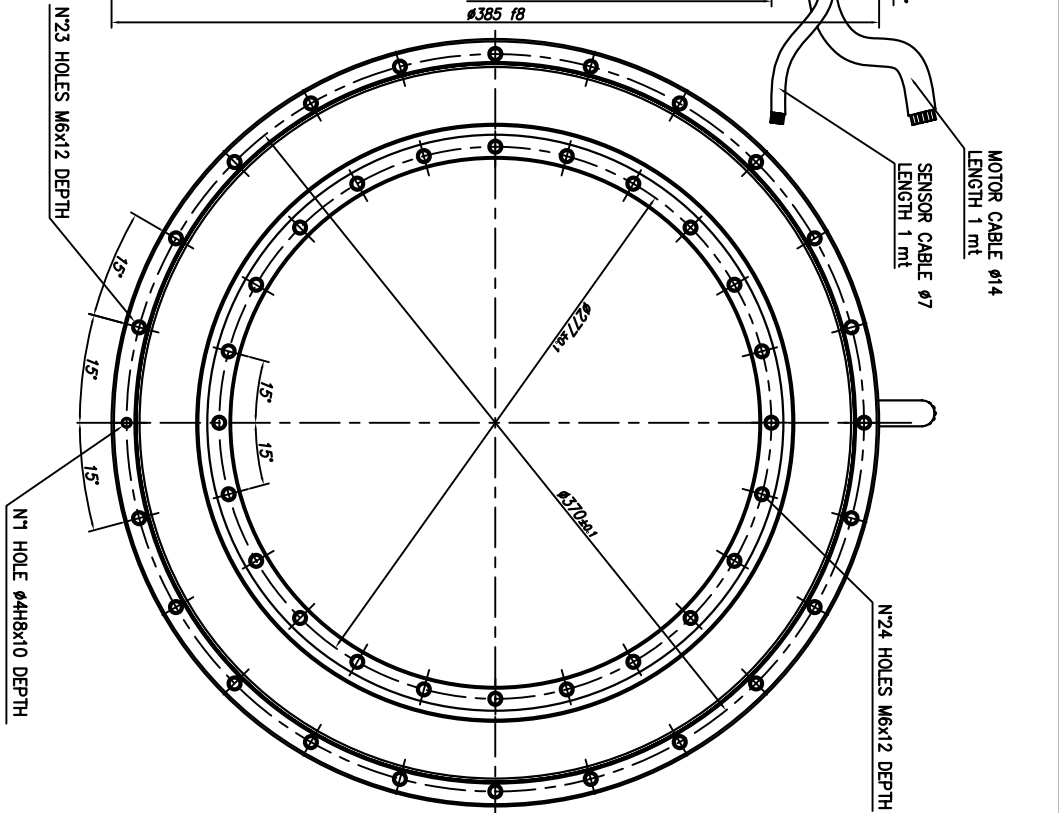
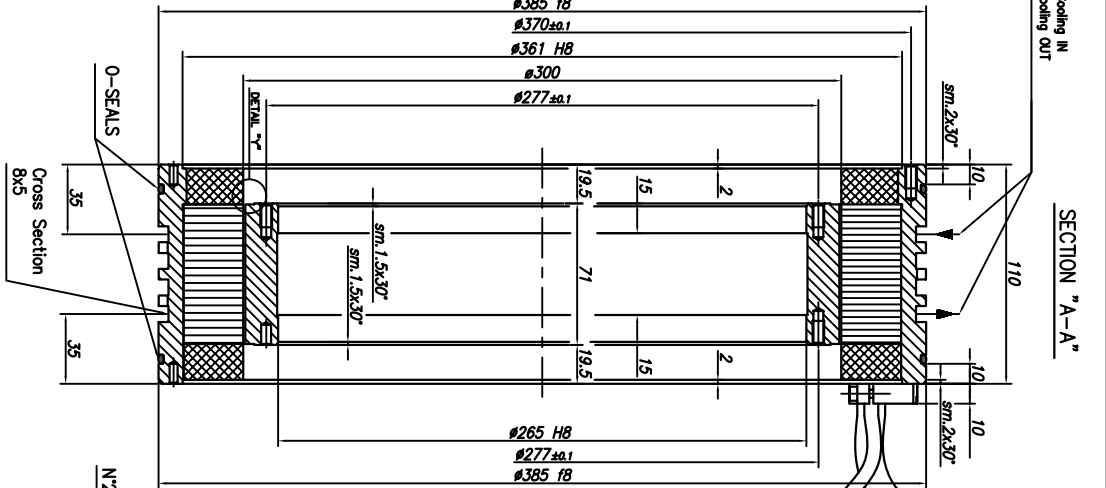
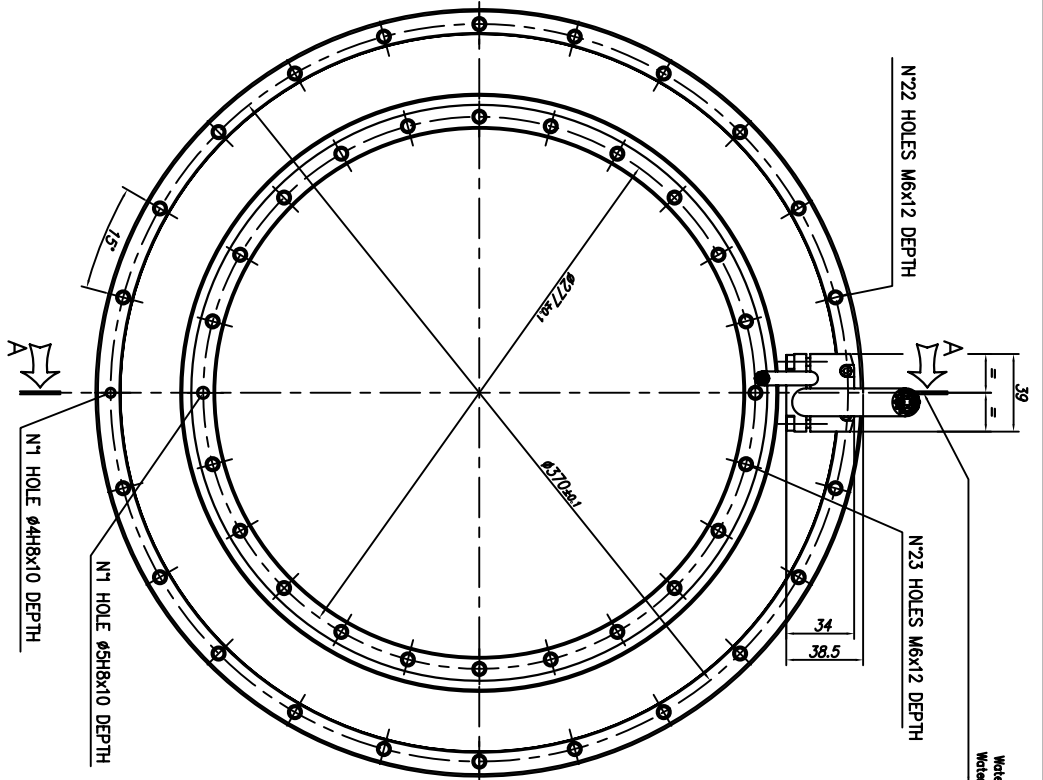


CABLE OUTPUT CONFIGURATION



DETAIL "Y-Y"  
ROTOR INTERFACE TO STATOR

TECHNAI	
ROTOR-STATOR KIT MK-300-360	GENERAL ASSEMBLY
REF: MK-300-070 MK-1	
DATE: 15/01/2010	
DESIGNED BY: [REDACTED]	
CHECKED BY: [REDACTED]	
APPROVED BY: [REDACTED]	



NO.	REV.	DATE	DESCRIPTION
1			GENERAL ASSEMBLY
2			ROTOR-STATOR KIT MK-CDC-380
3			MK-CDC-380-070 MKP
4			1.01