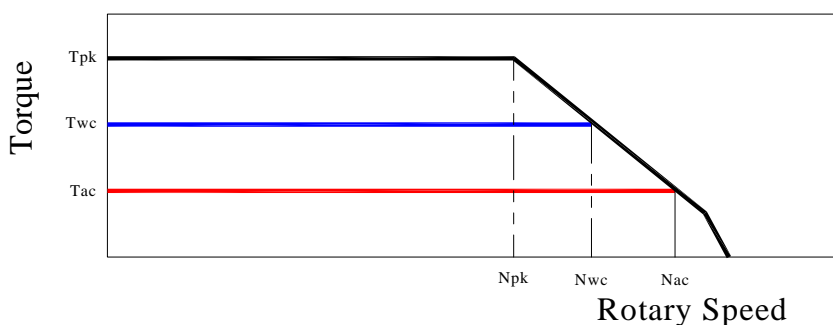


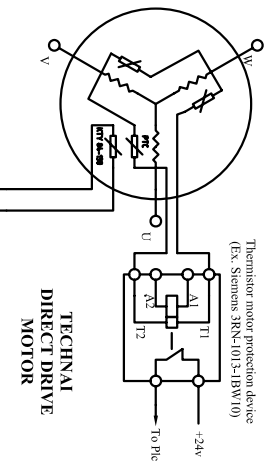
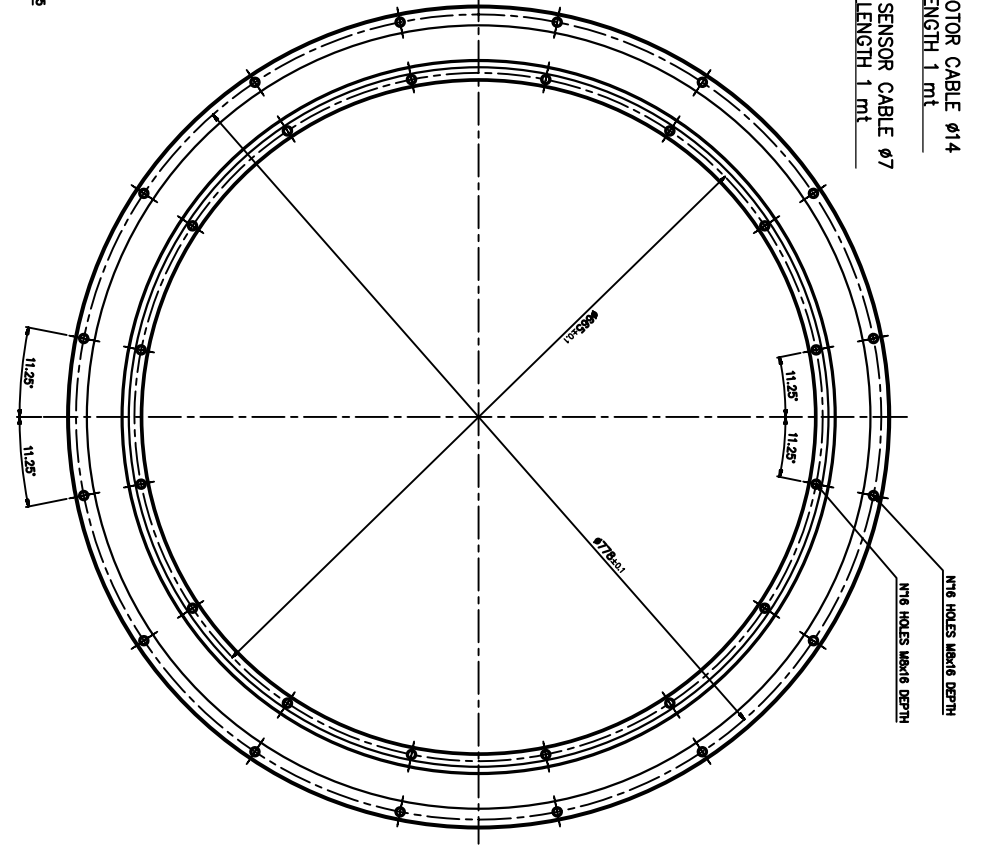
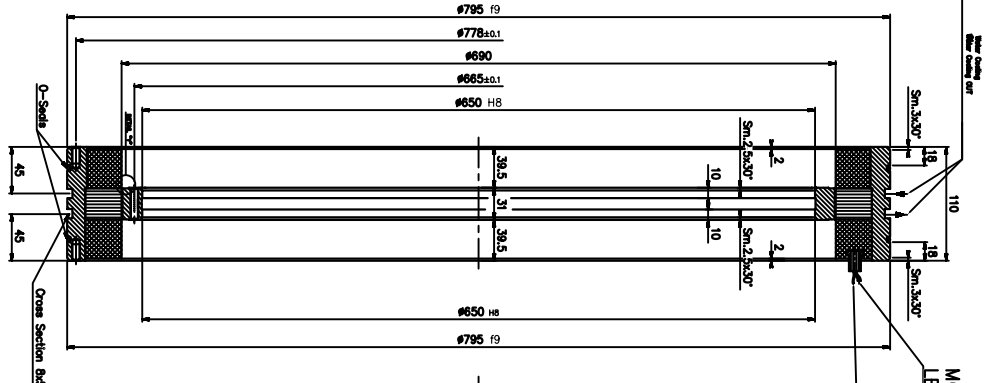
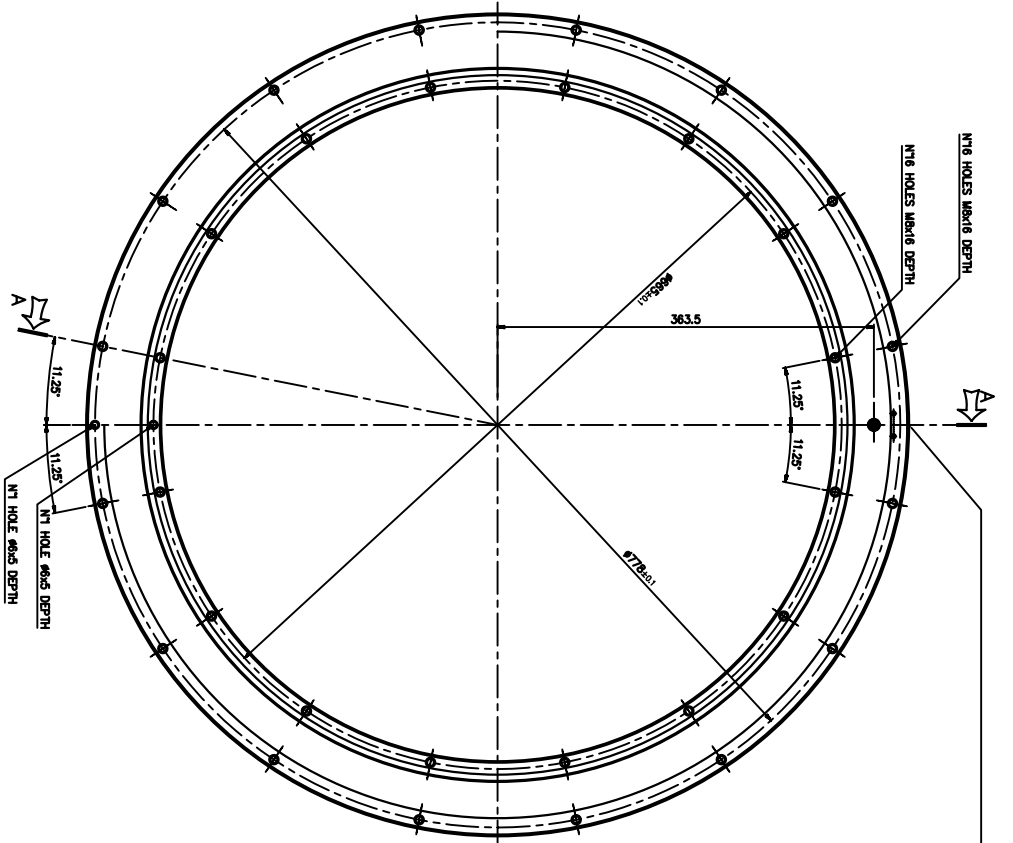
## TORQUE MOTOR - MK-CI 760-030 WA

Motor specification	Symbol	Unit	
Number of pole	P		132
Peak Torque	T <sub>pk</sub>	Nm	230
Continuos Torque (Water Cooling Dt100)	T <sub>wc</sub>	Nm	1272
Continuos Torque (Air Cooling Dt100)	T <sub>ac</sub>	Nm	615
Stall Torque (Water Cooling)	T <sub>wsc</sub>	Nm	970
Stall Torque (Air Cooling)	T <sub>sac</sub>	Nm	470
Ripple Torque (Cogging Torque)	T <sub>r</sub>	Nm	11
Power Loss at T <sub>wc</sub>	P <sub>wc</sub>	Kw	4,4
Power Loss at T <sub>ac</sub>	P <sub>ac</sub>	Kw	1
Termal Resistance Water Cooling	R <sub>thWc</sub>	Kw	0,02
Termal Resistance Air Cooling	R <sub>thAc</sub>	Kw	0,1
Torque Constant	K <sub>t</sub>	Nm/a	55,1
Back EMF Constant	K <sub>e</sub>	V/1000 Rpm	3331
Maximum Speed at I <sub>pk</sub> at 600 Vdc	N <sub>pk</sub>	rpm	23
Maximum Speed at I <sub>wc</sub> at 600 Vdc	N <sub>wc</sub>	rpm	62
Maximum Speed at I <sub>ac</sub> at 600 Vdc	N <sub>ac</sub>	rpm	93
Winding Resistance (Phase to Phase)	R <sub>20</sub>	Ω	3,5
Winding Inductance (Phase to Phase)	L	mh	29,2
Peak Current	I <sub>pk</sub>	Arms	60
Continuos Current (Water Cooling Dt100)	I <sub>wc</sub>	Arms	24,5
Continuos Current (Air Cooling Dt100)	I <sub>ac</sub>	Arms	11,5
Stall Current at 0 Speed (Water Cooling)	I <sub>wsc</sub>	Arms	18,8
Stall Current at 0 Speed (Air Cooling)	I <sub>sac</sub>	Arms	8,8
Maximum Winding Temperature		°C	130
Height of Rotor		mm	30
Height of Stator		mm	110
Stator jacket outer diameter		mm	795

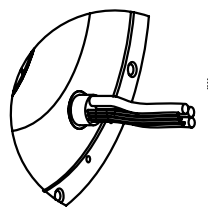
### Torque diagram



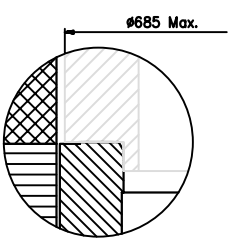
SECTION "A-A"



To Drive with KTY 84 input (Ex. Siemens 61DDU) amplifier with the appropriate wiring

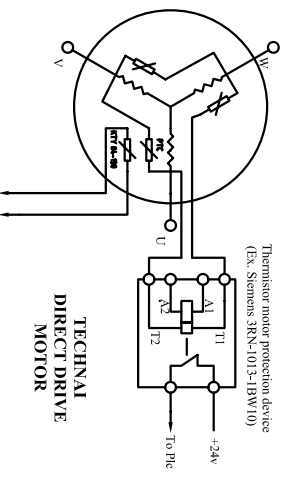
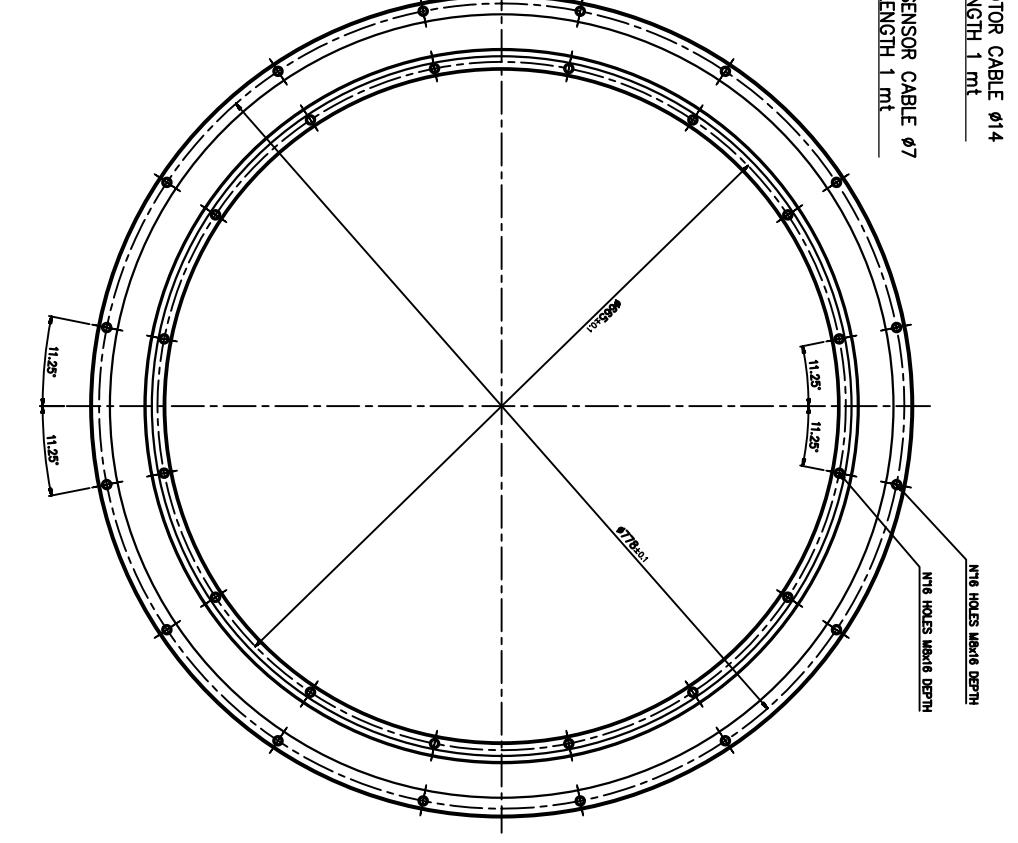
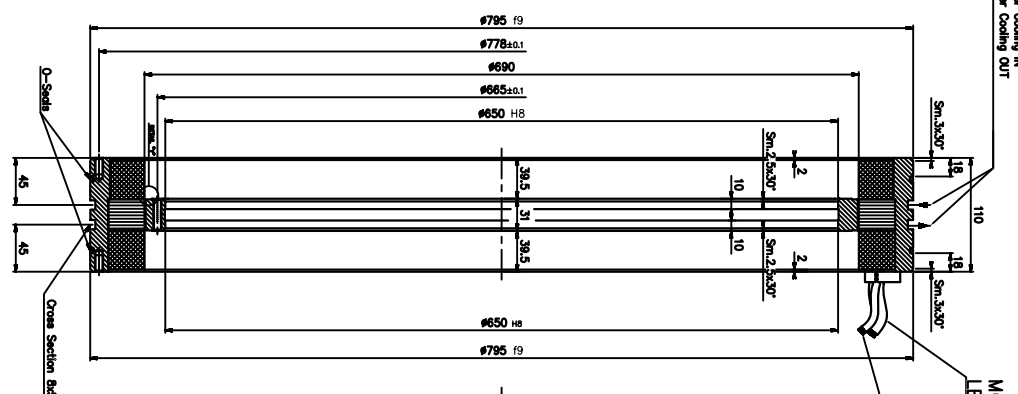
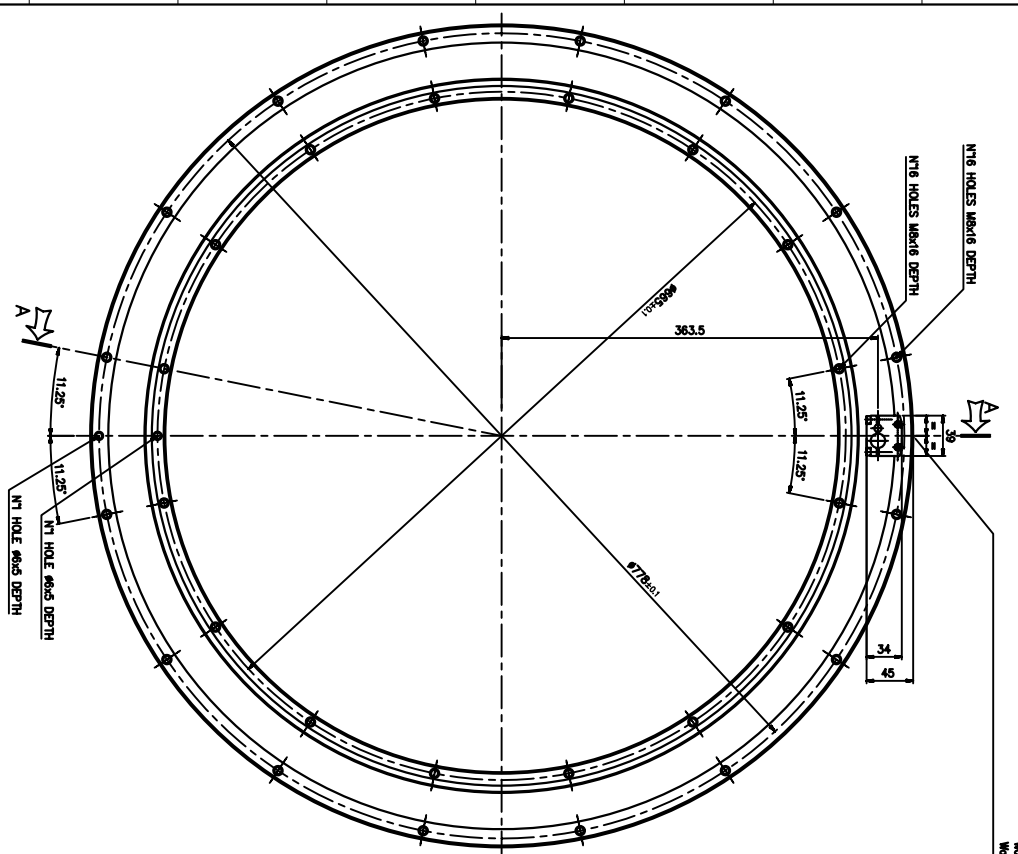


CABLE OUTPUT CONFIGURATION MF



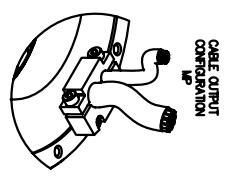
DETAIL "Y-Y" ROTOR INTERFACE TO STATOR SHAFT

<b>TECHNAI</b> ROTOR-STATOR KIT MK-CI 760 MK-CI 760-030 MF		<b>GENERAL ASSEMBLY</b> SHEET 1 OF 1	
DATE: 13/05/2013 DRAWN: [Signature] CHECKED: [Signature]	SCALE: 1:1 MATERIAL: ALUMINUM FINISH: ANODIZED	PROJECT: [Blank] CLIENT: [Blank]	SHEET: 1 OF 1 TOTAL SHEETS: 1

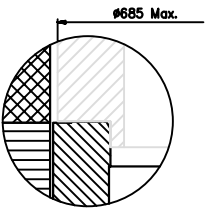


To Drive with KTY 84 input (Ex. Simodeve 611D/U) or multimeter with the appropriate rating

TECHNAI  
DIRECT DRIVE  
MOTOR



DETAIL "Y"  
ROTOR INTERFACE TO  
CONSTRUCTION SHEET



TECHNAI		GENERAL ASSEMBLY	
ROTOR-STATOR KIT MK-CI 760		MK-CI 760-030 MP1	
SHEET 1 OF 1			
<small>Proprietà esclusiva di TECHNAI Team s.r.l. - Riproduzione e diffusione vietata, salvo autorizzazione esplicita.</small>			