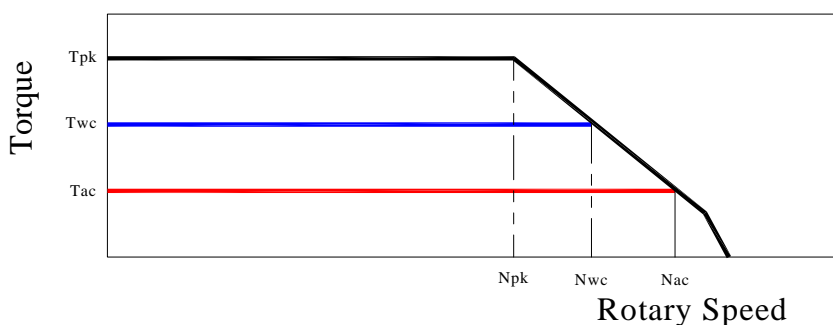


TORQUE MOTOR - MK-CI 760-070 WA

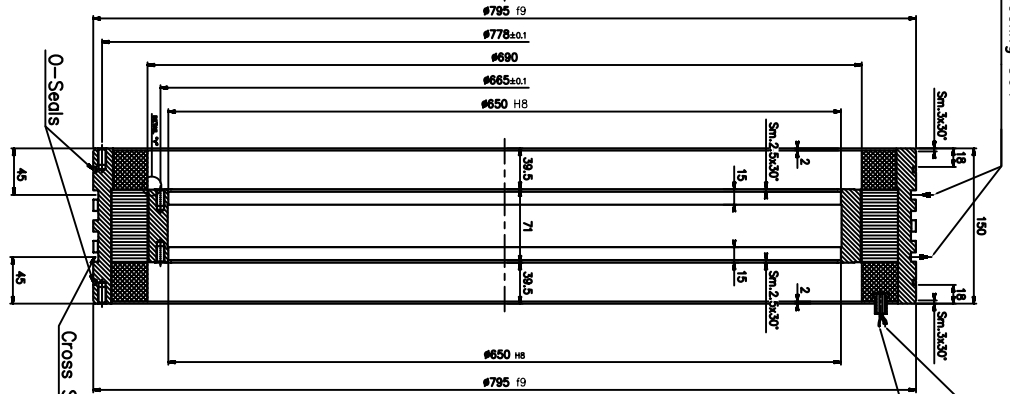
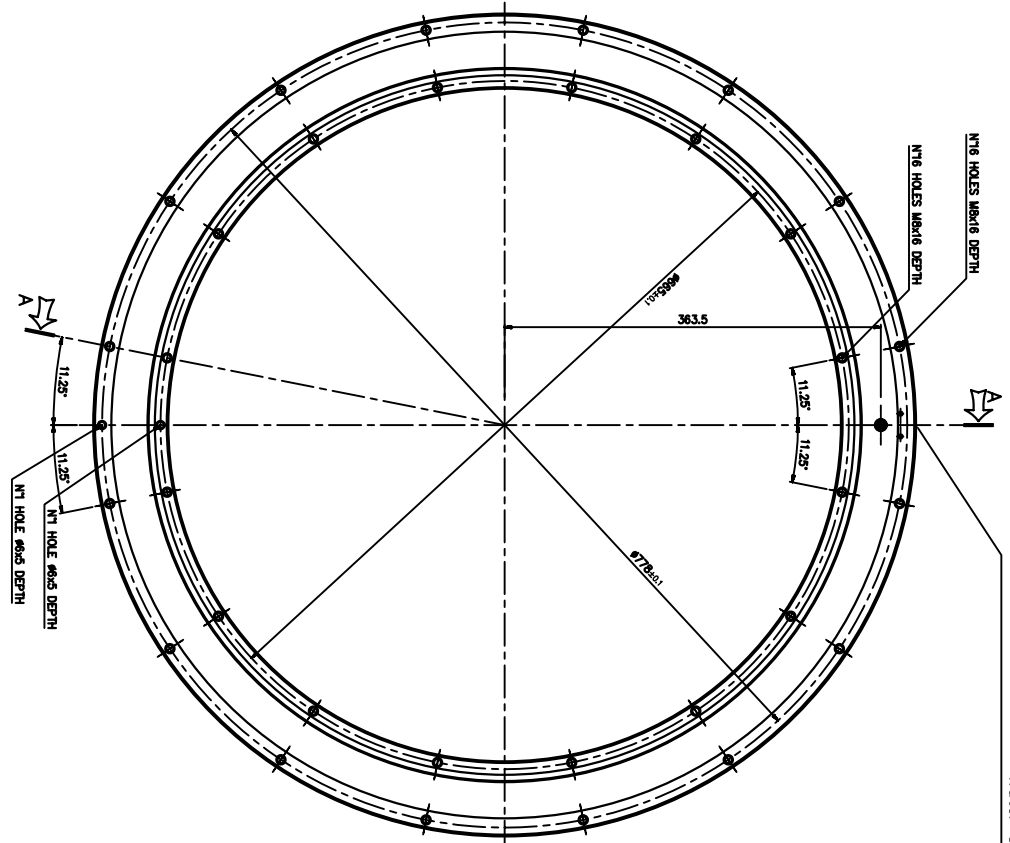
Motor specification	Symbol	Unit	
Number of pole	P		132
Peak Torque	T _{pk}	Nm	5500
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	3100
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	1350
Stall Torque (Water Cooling)	T _{wsc}	Nm	2370
Stall Torque (Air Cooling)	T _{sac}	Nm	1030
Ripple Torque (Cogging Torque)	Tr	Nm	25
Power Loss at T _{wc}	P _{wc}	Kw	7,5
Power Loss at T _{ac}	P _{ac}	Kw	1,4
Termal Resistance Water Cooling	R _{thWc}	Kw	0,01
Termal Resistance Air Cooling	R _{thAc}	Kw	0,07
Torque Constant	K _t	Nm/a	97,2
Back EMF Constant	K _e	V/1000 Rpm	5872
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	rpm	10
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	rpm	33
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	rpm	53
Winding Resistance (Phase to Phase)	R ₂₀	Ω	3,1
Winding Inductance (Phase to Phase)	L	mh	36,8
Peak Current	I _{pk}	Arms	81,5
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	34
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	14,5
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	25,9
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	11
Maximum Winding Temperature		°C	130
Height of Rotor		mm	70
Height of Stator		mm	150
Stator jacket outer diameter		mm	795

Torque diagram

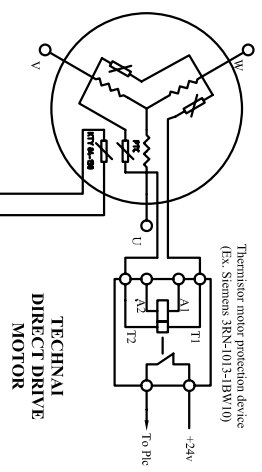
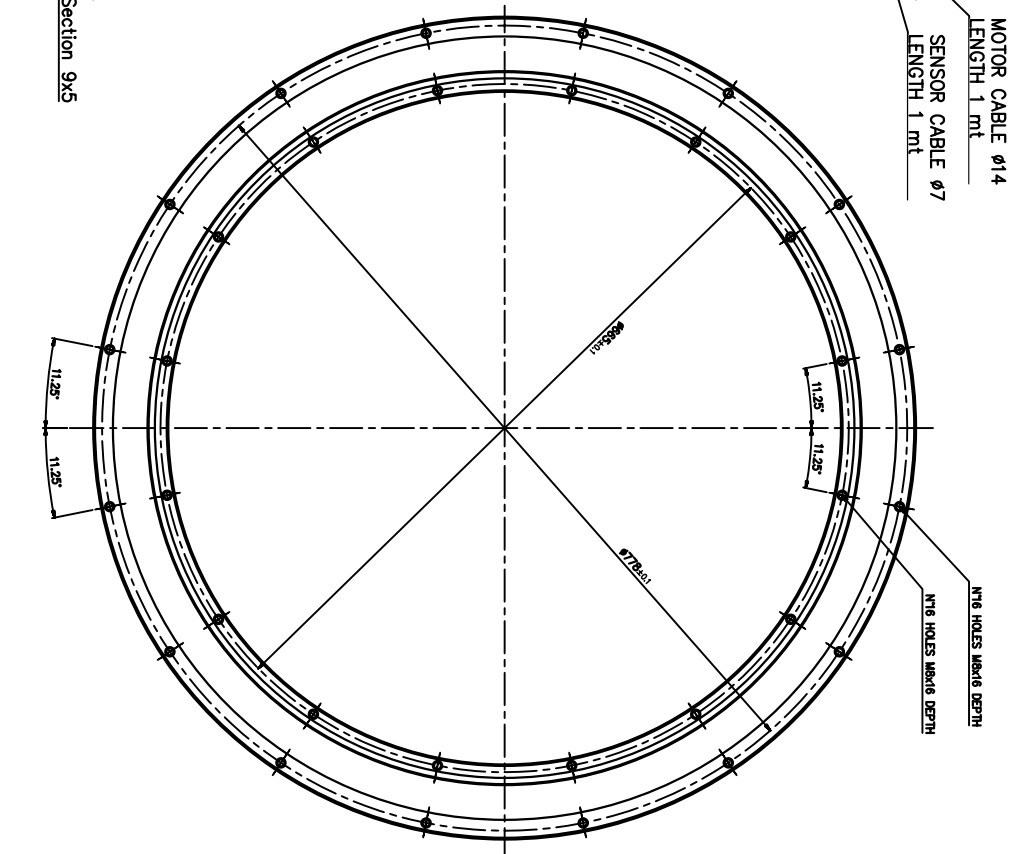


Water Cooling IN
Water Cooling OUT

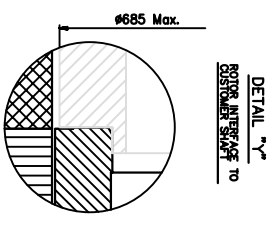
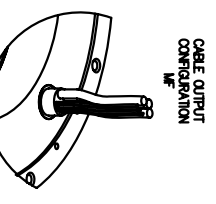
SECTION "A-A"



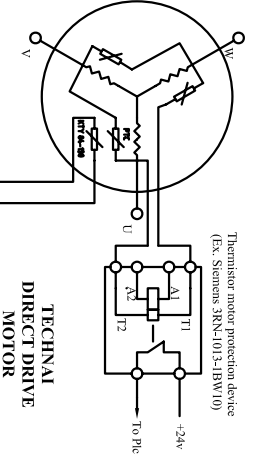
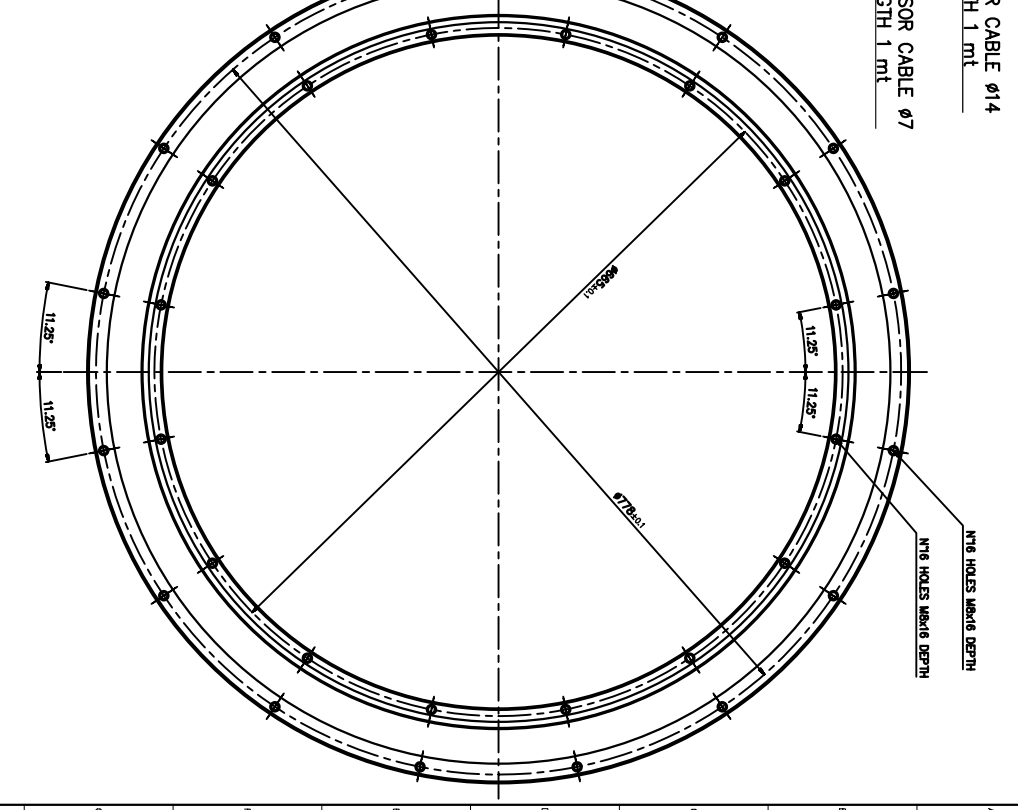
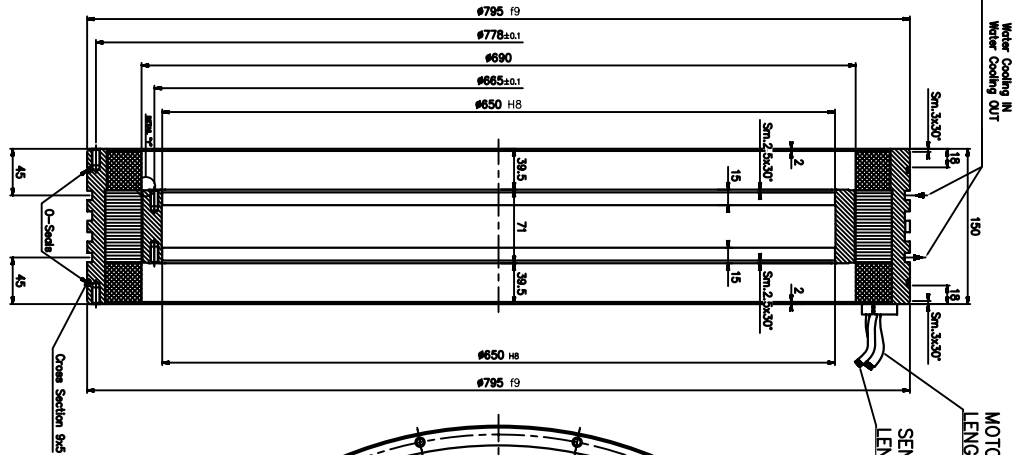
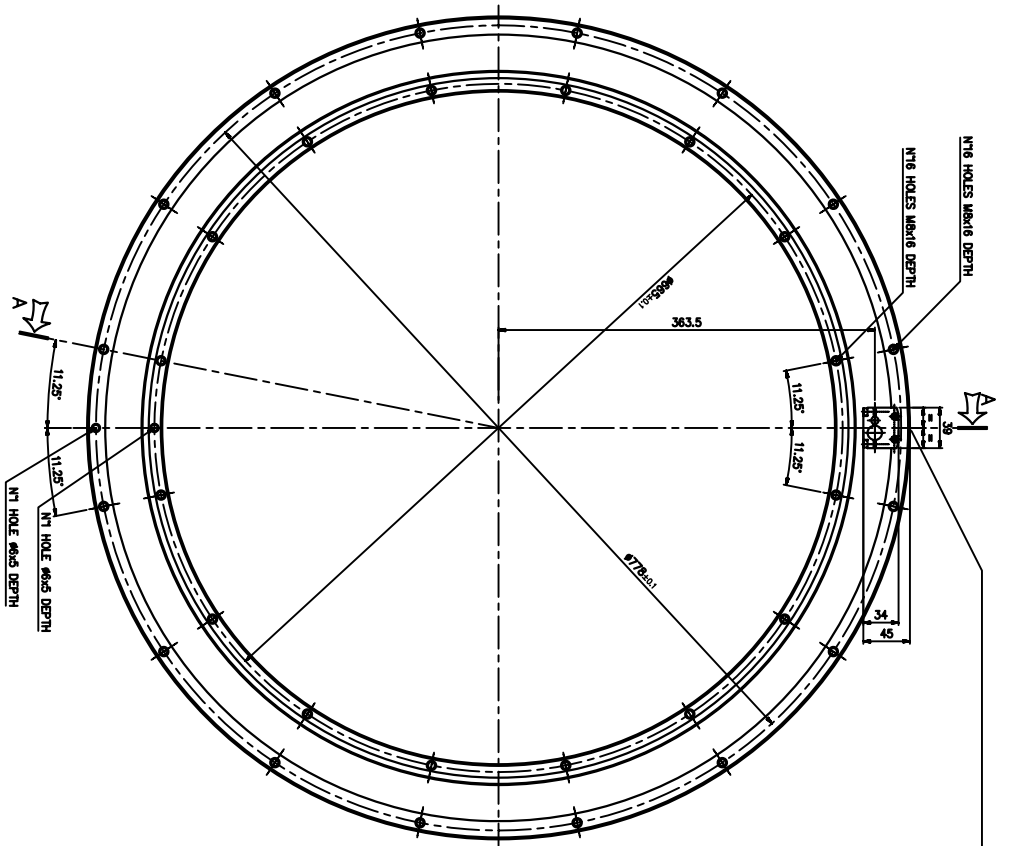
MOTOR CABLE Ø14
LENGTH 1 mt
SENSOR CABLE Ø7
LENGTH 1 mt



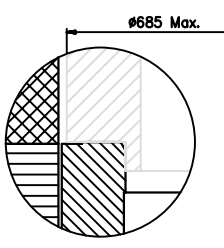
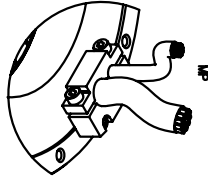
To Drive with KTY 84 Input (Ex. Simodrive 611D/U) or multimeter with the appropriate rating



TECHNAI		GENERAL ASSEMBLY	
ROTOR-STATOR KIT MK-CI 760		SHEET 1 OF 1	
MK-CI 760-070 MF		1 OF 1	
COD		1	



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



TECHNICAL ROTOR-STATOR KIT MK-CI 760 MK-CI 760-070 MP1		GENERAL ASSEMBLY SHEET 1 OF 1	
DATE: 13/08/2013 DRAWN: [Name] CHECKED: [Name] APPROVED: [Name]	SCALE: 1:1 SHEET: 1 OF 1	PROJECT: [Name] CLIENT: [Name]	DRAWING NO.: [Name]