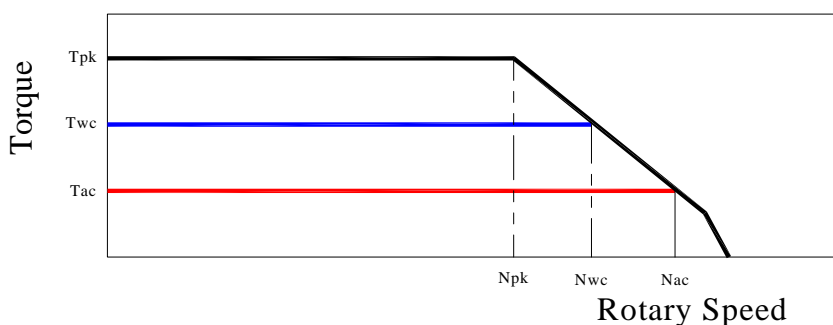


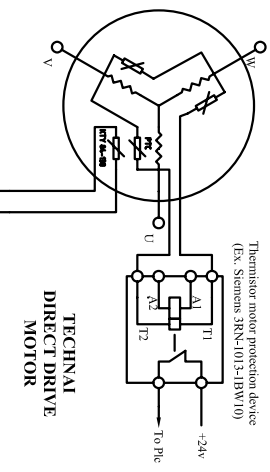
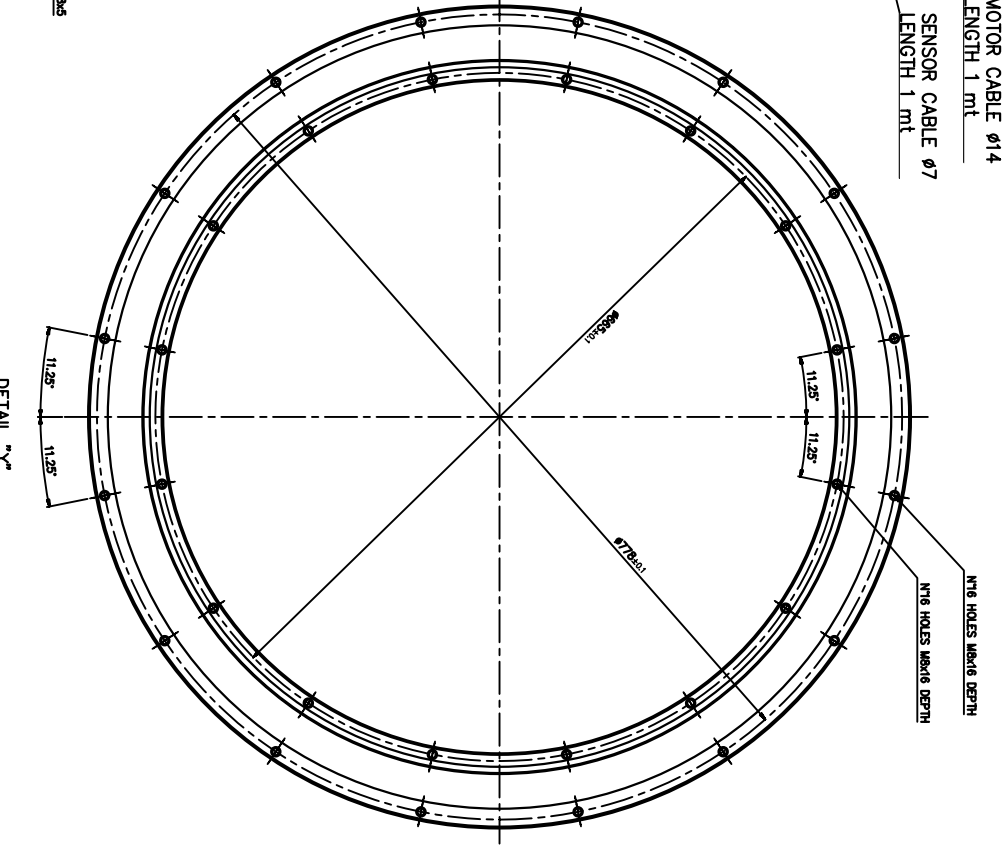
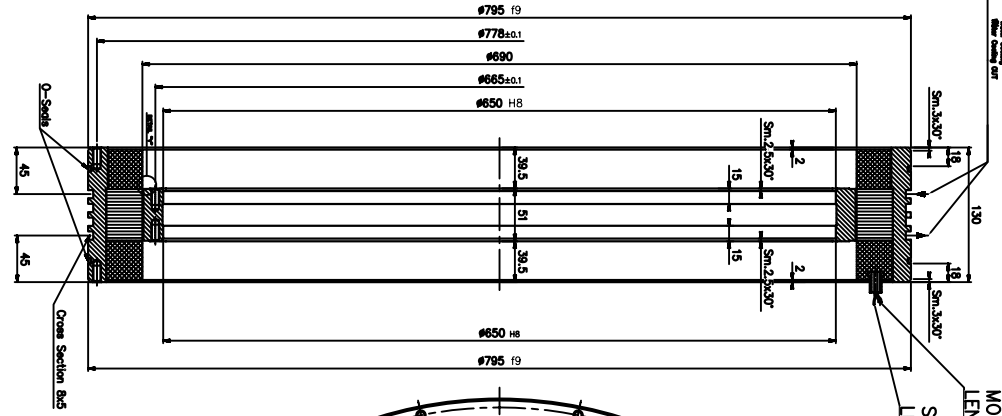
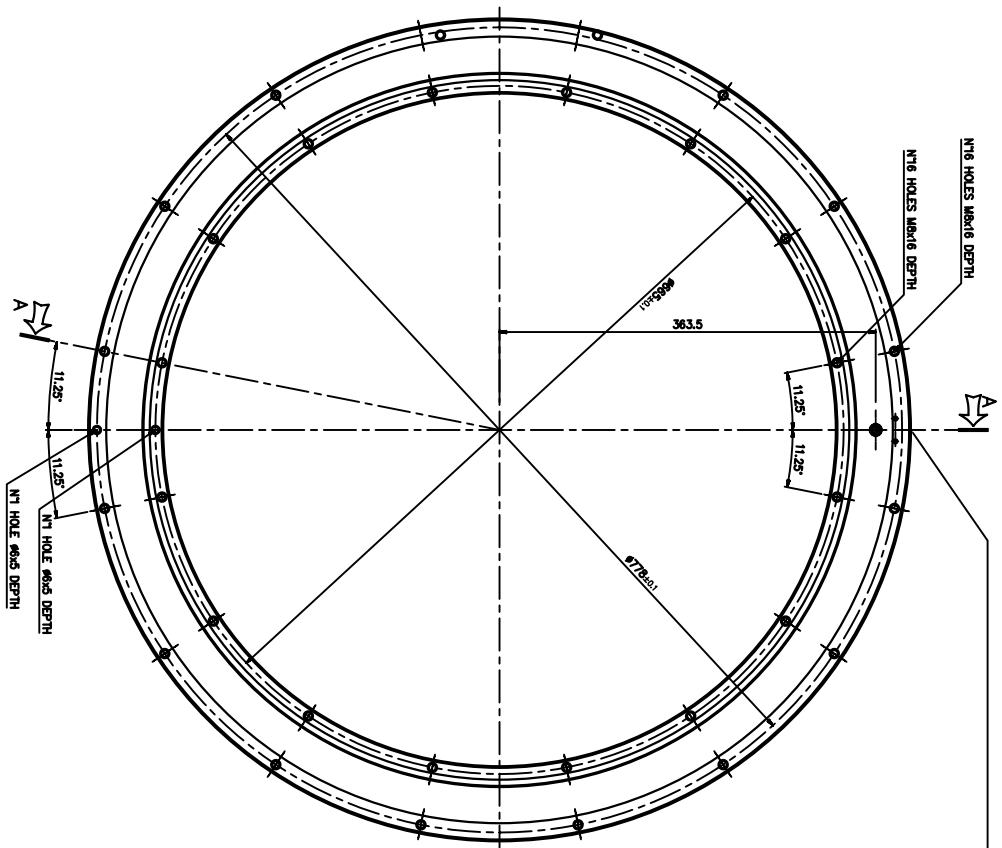
TORQUE MOTOR - MK-CI 760-050 WA

Motor specification	Symbol	Unit	
Number of pole	P		132
Peak Torque	T _{pk}	Nm	3770
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	2076
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	995
Stall Torque (Water Cooling)	T _{wsc}	Nm	1585
Stall Torque (Air Cooling)	T _{sac}	Nm	760
Ripple Torque (Cogging Torque)	T _r	Nm	18
Power Loss at T _{wc}	P _{wc}	Kw	5,6
Power Loss at T _{ac}	P _{ac}	Kw	1,2
Termal Resistance Water Cooling	R _{thWc}	Kw	0,02
Termal Resistance Air Cooling	R _{thAc}	Kw	0,08
Torque Constant	K _t	Nm/a	81,6
Back EMF Constant	K _e	V/1000 Rpm	4935
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	rpm	13
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	rpm	41
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	rpm	63
Winding Resistance (Phase to Phase)	R ₂₀	Ω	3,6
Winding Inductance (Phase to Phase)	L	mh	37,1
Peak Current	I _{pk}	Arms	67
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	27
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	12,5
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	20,5
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	9,6
Maximum Winding Temperature		°C	130
Height of Rotor		mm	50
Height of Stator		mm	130
Stator jacket outer diameter		mm	795

Torque diagram

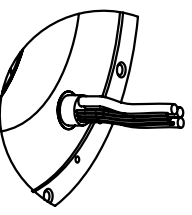


SECTION "A-A"

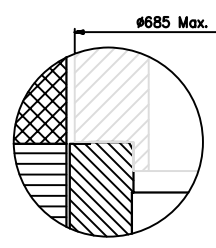


To Drive with KTY 84 Input (Ex. Simulink) or multimeter with the appropriate rating

Thermistor motor protection device (Ex. Siemens 3RN-1015-1BW10)



CABLE OUTPUT CONFIGURATION



DETAIL "A-A"
ROTOR INTERFACE TO CUSTOMER SHAFT

TECHNAl ROTOR-STATOR KIT MK-CI 760 MK-CI 760-050 MF		GENERAL ASSEMBLY SHEET 1 OF 1	
DATE: 13/05/2014 DRAWN: [Name] CHECKED: [Name]	SCALE: 1:1 SHEET: 1 OF 1	PROJECT: [Name] CLIENT: [Name]	DESIGNED BY: [Name]

