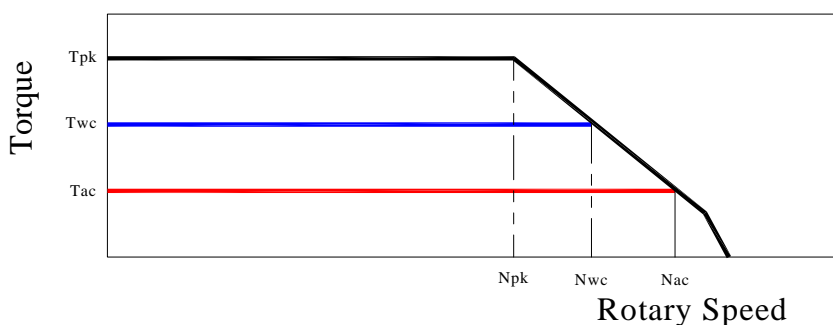


TORQUE MOTOR - MK-CI 360-100 WA

Motor specification	Symbol	Unit	
Number of pole	P		66
Peak Torque	T _{pk}	Nm	1448
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	821
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	341
Stall Torque (Water Cooling)	T _{wsc}	Nm	657
Stall Torque (Air Cooling)	T _{sac}	Nm	261
Ripple Torque (Cogging Torque)	T _r	Nm	3,6
Power Loss at T _{wc}	P _{wc}	Kw	5
Power Loss at T _{ac}	P _{ac}	Kw	0,8
Termal Resistance Water Cooling	R _{thWc}	Kw	0,02
Termal Resistance Air Cooling	R _{thAc}	Kw	0,13
Torque Constant	K _t	Nm/a	30,5
Back EMF Constant	K _e	V/1000 Rpm	1876
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	rpm	50
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	rpm	140
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	rpm	200
Winding Resistance (Phase to Phase)	R ₂₀	Ω	2,9
Winding Inductance (Phase to Phase)	L	mh	20,8
Peak Current	I _{pk}	Arms	73,5
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	28,6
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	11,6
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	21,8
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	8,9
Maximum Winding Temperature		°C	130
Height of Rotor		mm	100
Height of Stator		mm	160
Stator jacket outer diameter		mm	385

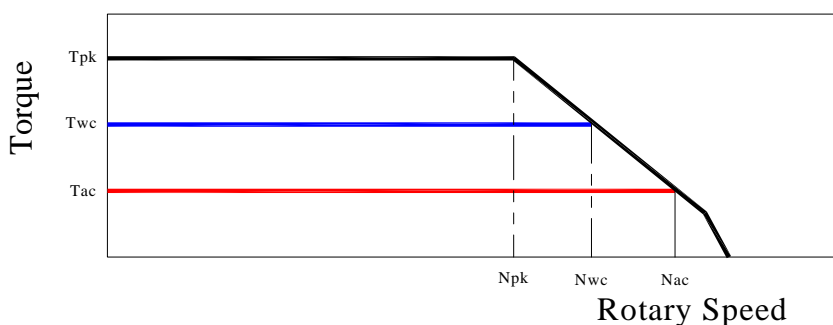
Torque diagram



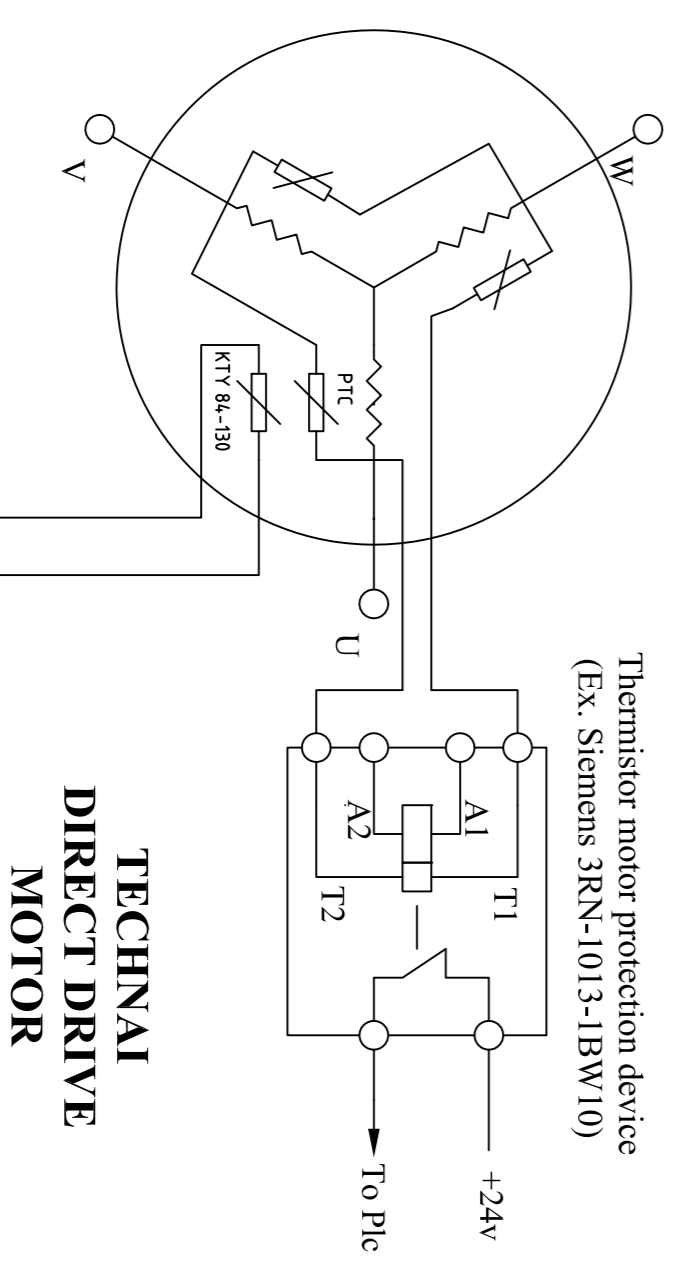
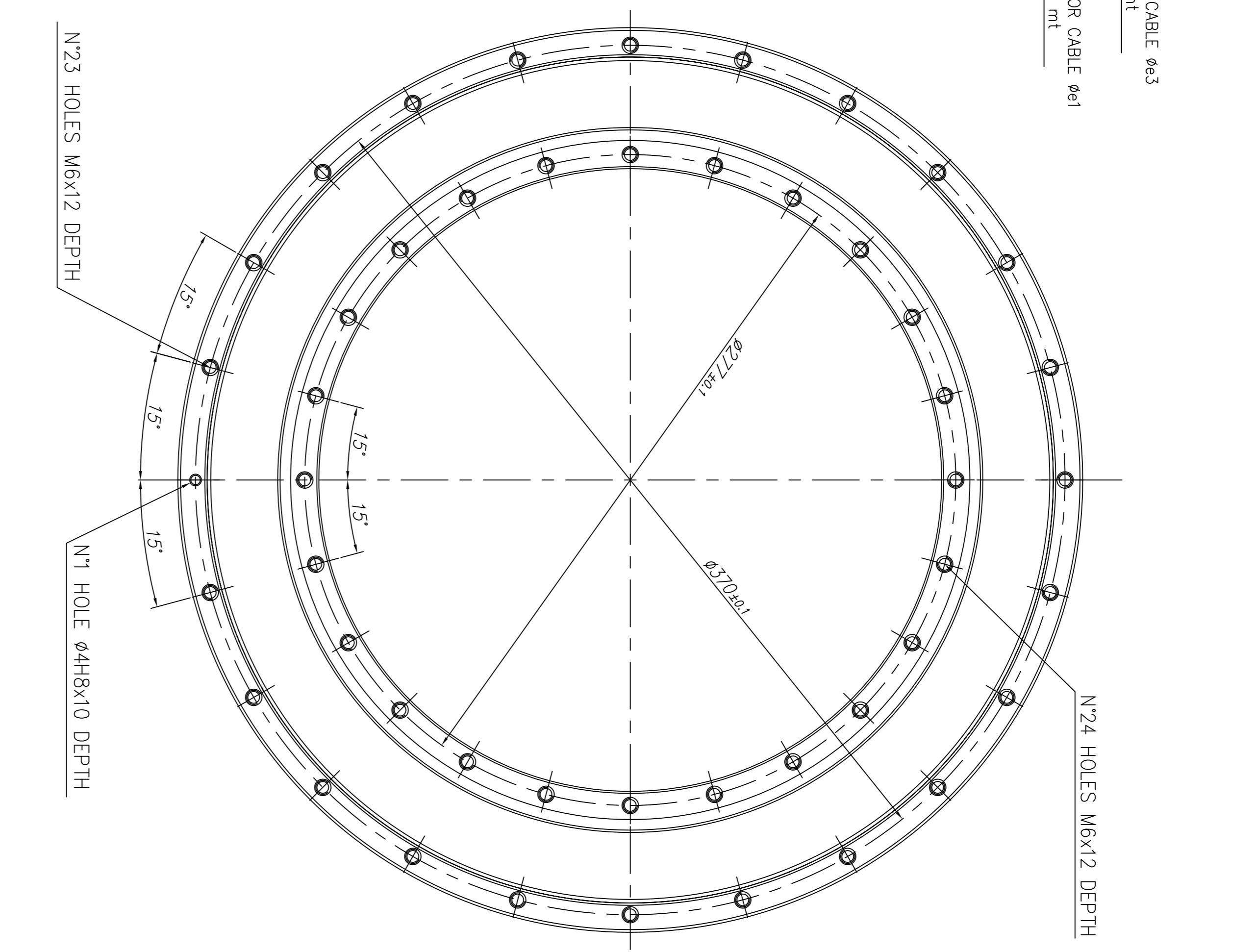
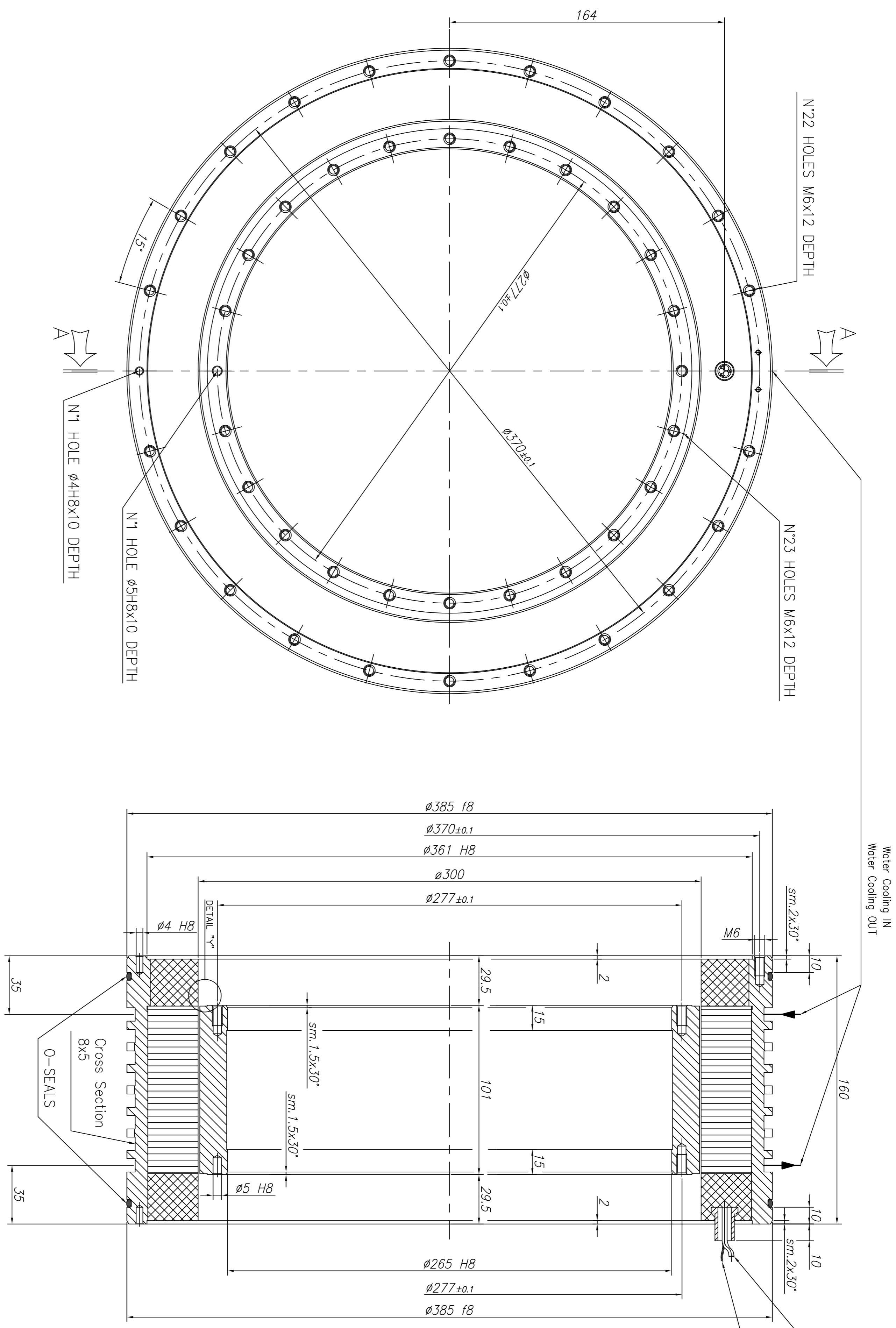
TORQUE MOTOR - MK-CI 360-100 WB

Motor specification	Symbol	Unit	
Number of pole	P		66
Peak Torque	T _{pk}	Nm	1447
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	821
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	335
Stall Torque (Water Cooling)	T _{wsc}	Nm	657
Stall Torque (Air Cooling)	T _{sac}	Nm	257
Ripple Torque (Cogging Torque)	T _r	Nm	3,6
Power Loss at T _{wc}	P _{wc}	Kw	5
Power Loss at T _{ac}	P _{ac}	Kw	0,8
Termal Resistance Water Cooling	R _{thWc}	Kw	0,02
Termal Resistance Air Cooling	R _{thAc}	Kw	0,13
Torque Constant	K _t	Nm/a	16
Back EMF Constant	K _e	V/1000 Rpm	990
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	rpm	140
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	rpm	290
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	rpm	390
Winding Resistance (Phase to Phase)	R ₂₀	Ω	0,81
Winding Inductance (Phase to Phase)	L	mh	5,8
Peak Current	I _{pk}	Arms	140
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	55
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	21,6
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	41,5
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	16,5
Maximum Winding Temperature		°C	130
Height of Rotor		mm	100
Height of Stator		mm	160
Stator jacket outer diameter		mm	385

Torque diagram



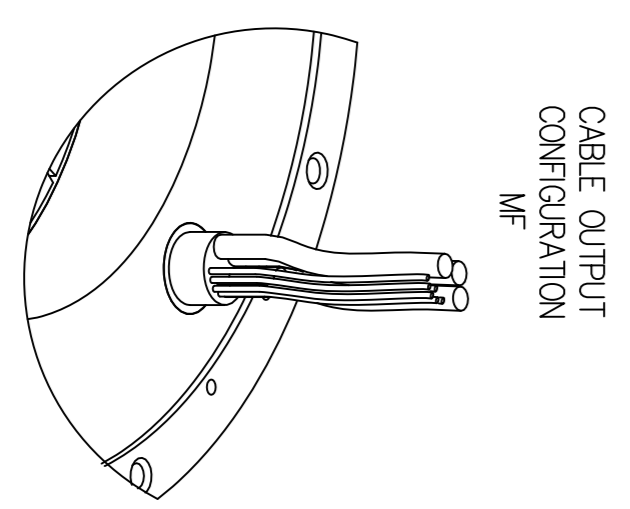
SECTION "A-A"



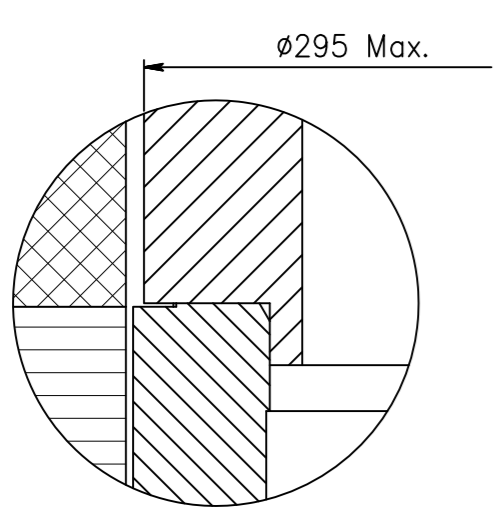
To Drive with KTY 84 input (Ex. Simodrive 611D/U) or multimeter with the appropriate rating

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

TECHNAI DIRECT DRIVE MOTOR

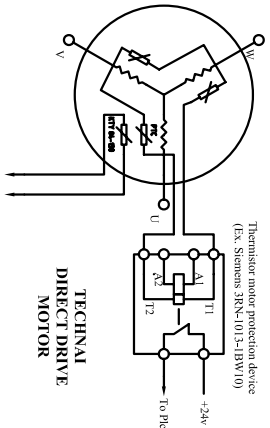
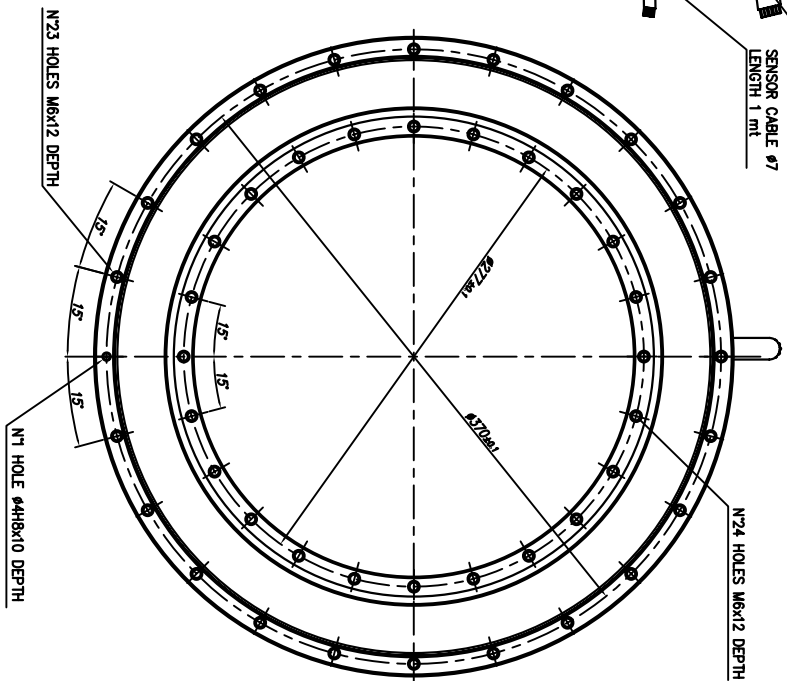
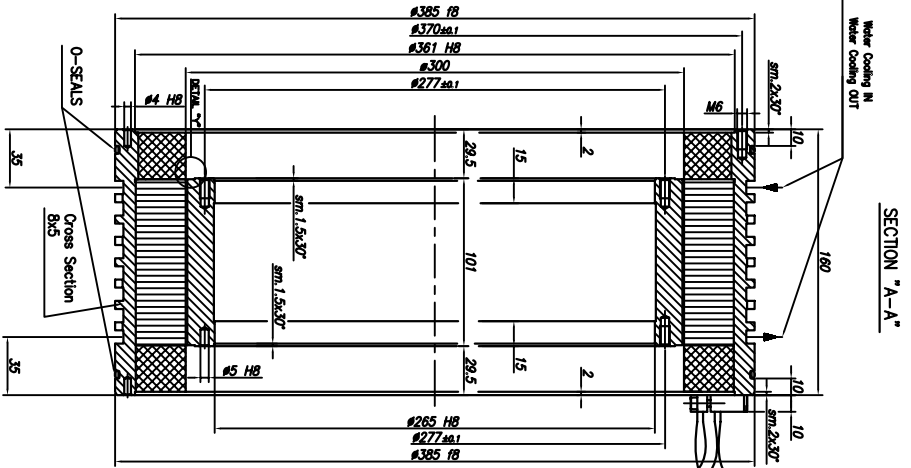
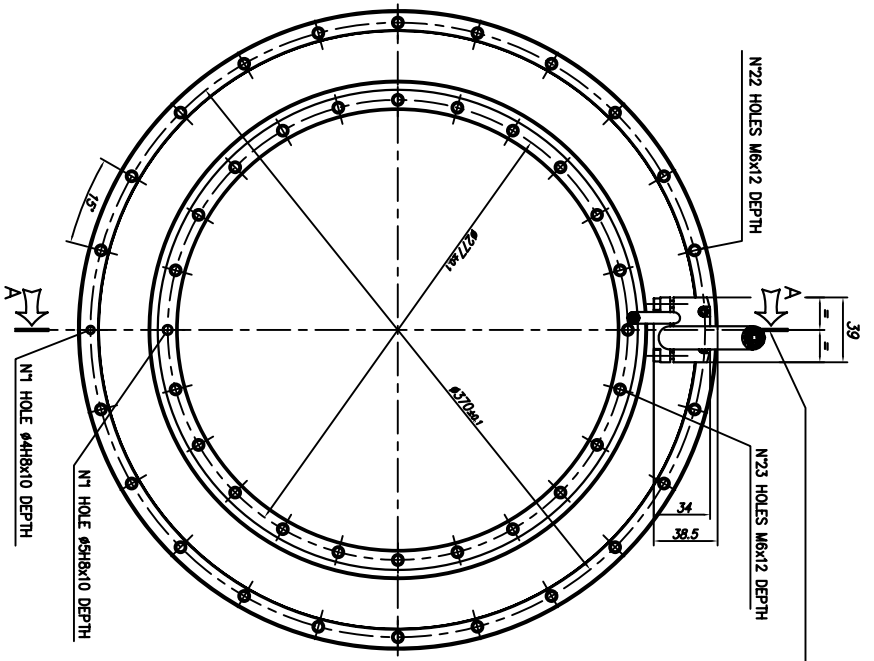


CABLE OUTPUT CONFIGURATION M/F



DETAIL "Y-Y" ROTOR INTERFACE TO CUSTOMER SHAFT

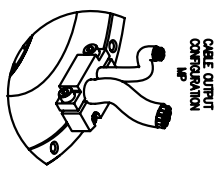
REV.	DATE	BY	CHKD.
1	15.03.2008	SKM	SKM
TECHNAI GENERAL ASSEMBLY			
MODEL: ROTOR-STATOR KIT MK-CI 360			
COD: MK-CI 360-100 M/F			
SHEET 1 OF 1			



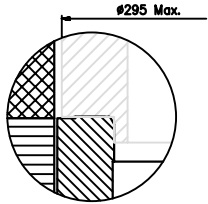
To Drive with KTY 84 Input (Ex. Simuldrive 611D/3) or multimeter with the appropriate rating

Thermistor motor protection device
(Ex. Siemens 3RN-101-3-1BW10)

TECHNICAL DIRECT DRIVE MOTOR



CABLE OUTPUT CONFIGURATION



DETAIL 'A-A'
ROTOR INTERSPACE TO CUSTOMER SHAFT

GENERAL ASSEMBLY	
ITEM	DESCRIPTION
1	TECHNICAL DIRECT DRIVE MOTOR
2	ROTOR-STATOR KIT MK-CI-380
3	MK-CI-360-100 MP
4	1.00
5	1.00
6	1.00
7	1.00
8	1.00
9	1.00
10	1.00
11	1.00
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45	1.00
46	1.00
47	1.00
48	1.00
49	1.00
50	1.00

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