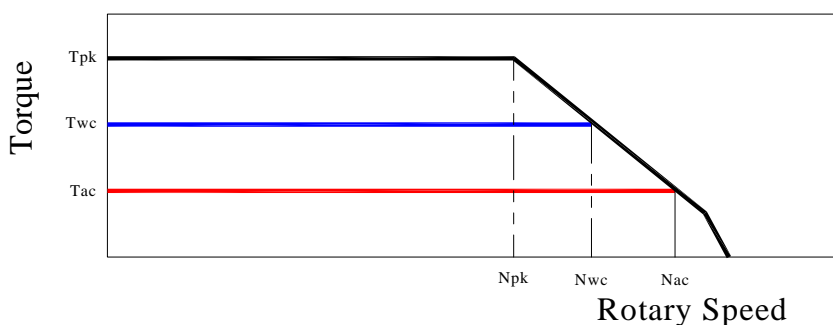


TORQUE MOTOR - MK-C1C 360-050 WA

Motor specification	Symbol	Unit	
Number of pole	P		66
Peak Torque	T _{pk}	Nm	724
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	415
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	175
Stall Torque (Water Cooling)	T _{wsc}	Nm	317
Stall Torque (Air Cooling)	T _{sac}	Nm	134
Ripple Torque (Cogging Torque)	T _r	Nm	1,8
Power Loss at T _{wc}	P _{wc}	Kw	2,8
Power Loss at T _{ac}	P _{ac}	Kw	0,5
Termal Resistance Water Cooling	R _{thWc}	Kw	0,04
Termal Resistance Air Cooling	R _{thAc}	Kw	0,2
Torque Constant	K _t	Nm/a	30
Back EMF Constant	K _e	V/1000 Rpm	1850
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	190
Winding Resistance (Phase to Phase)	R ₂₀	Ω	6,8
Winding Inductance (Phase to Phase)	L	mh	42
Peak Current	I _{pk}	Arms	35
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	14
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	6
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	10,7
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	4,6
Maximum Winding Temperature		°C	130
Height of Rotor		mm	50
Height of Stator		mm	90
Stator jacket outer diameter		mm	385

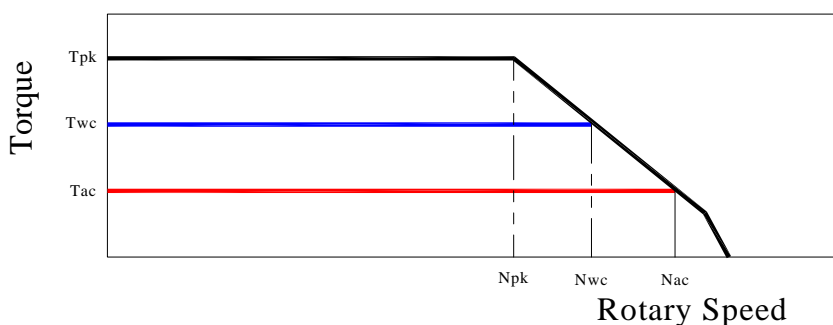
Torque diagram



TORQUE MOTOR - MK-C1C 360-050 WB

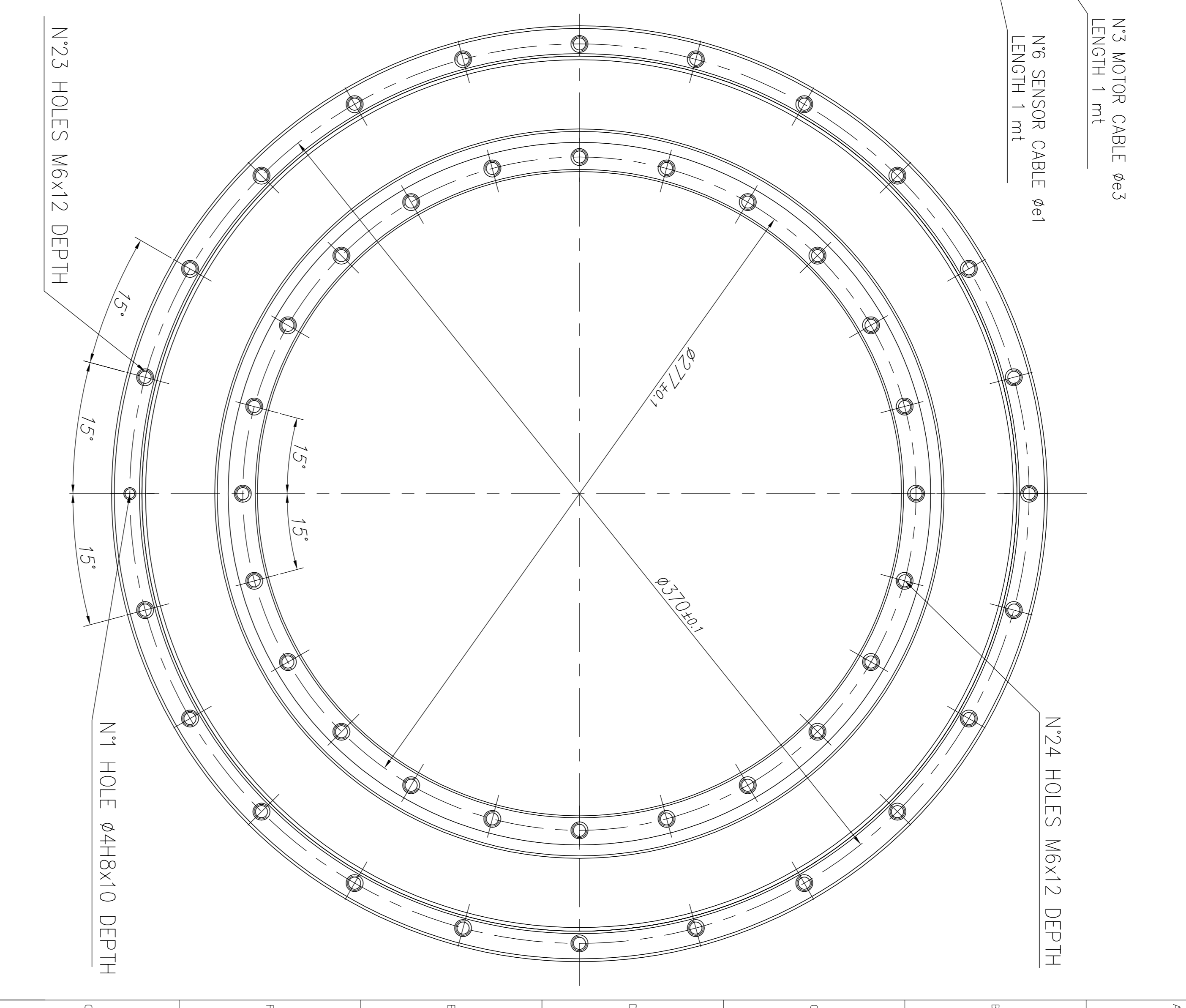
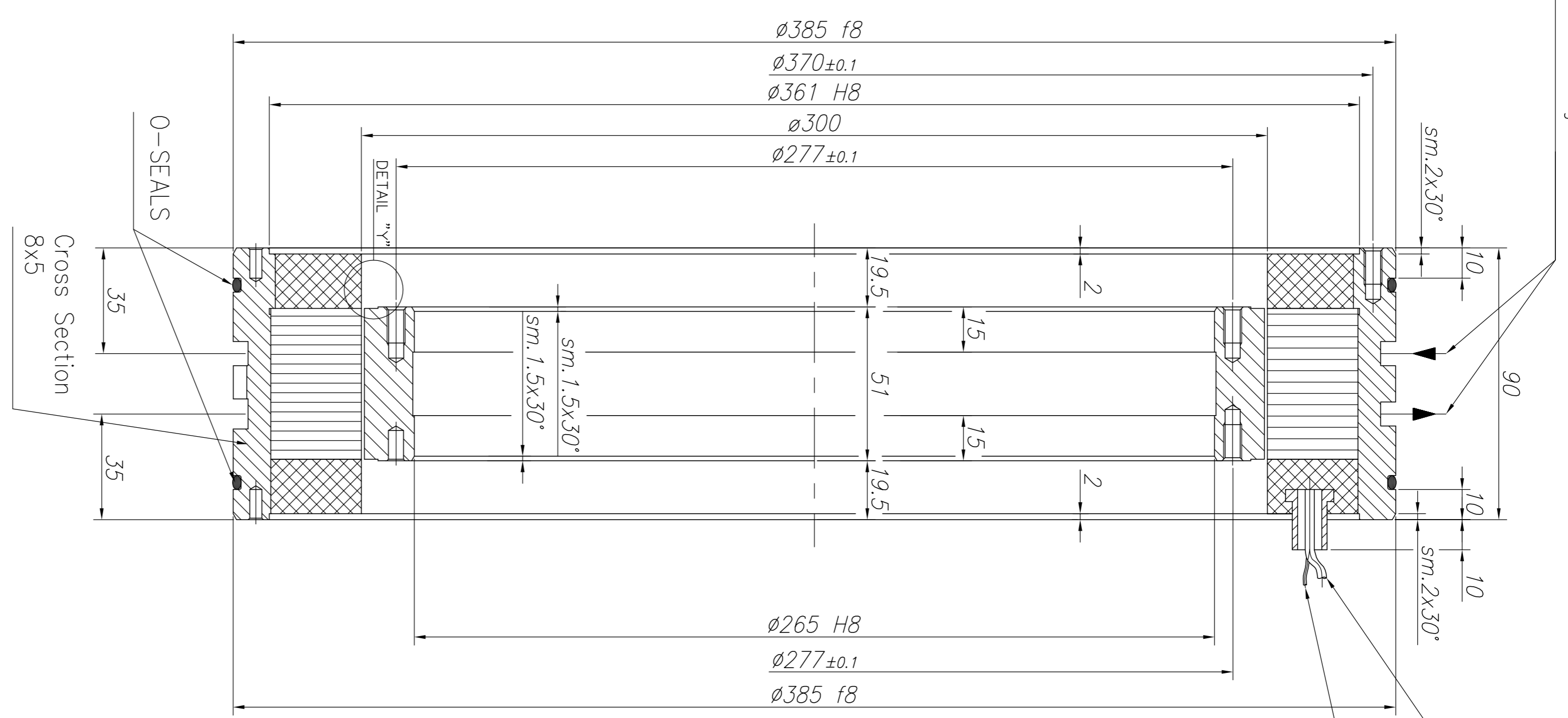
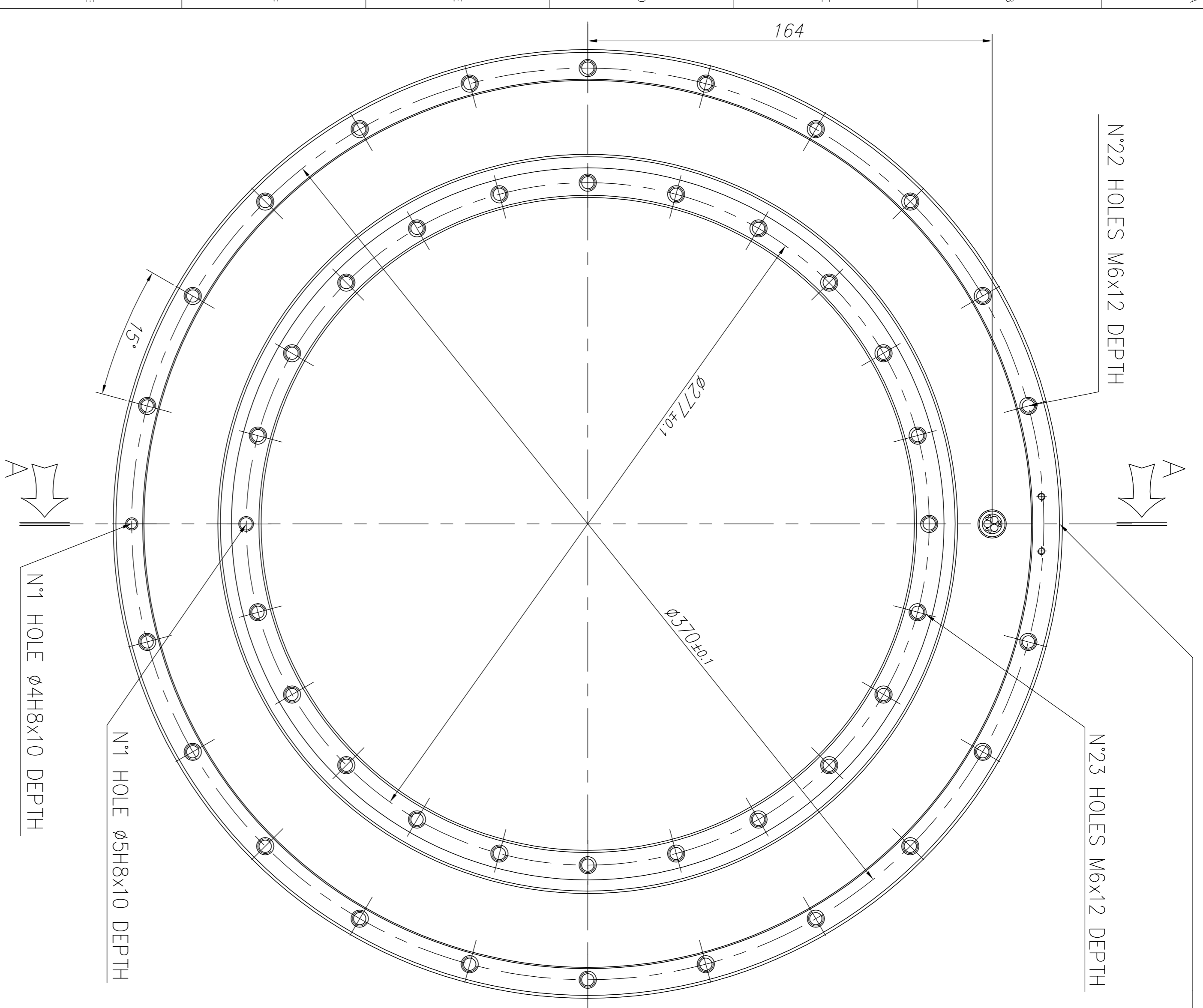
Motor specification	Symbol	Unit	
Number of pole	P		66
Peak Torque	T _{pk}	Nm	724
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	428
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	178
Stall Torque (Water Cooling)	T _{wsc}	Nm	324
Stall Torque (Air Cooling)	T _{sac}	Nm	137
Ripple Torque (Cogging Torque)	T _r	Nm	1,8
Power Loss at T _{wc}	P _{wc}	Kw	2,75
Power Loss at T _{ac}	P _{ac}	Kw	0,5
Termal Resistance Water Cooling	R _{thWc}	Kw	0,04
Termal Resistance Air Cooling	R _{thAc}	Kw	0,2
Torque Constant	K _t	Nm/a	9,8
Back EMF Constant	K _e	V/1000 Rpm	599
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	rpm	220
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	rpm	480
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	rpm	660
Winding Resistance (Phase to Phase)	R ₂₀	Ω	0,66
Winding Inductance (Phase to Phase)	L	mh	5,05
Peak Current	I _{pk}	Arms	116
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	44,5
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	19
Stall Current at 0 Speed (Water Cooling)	I _{wsc}	Arms	34
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	14,5
Maximum Winding Temperature		°C	130
Height of Rotor		mm	50
Height of Stator		mm	90
Stator jacket outer diameter		mm	385

Torque diagram

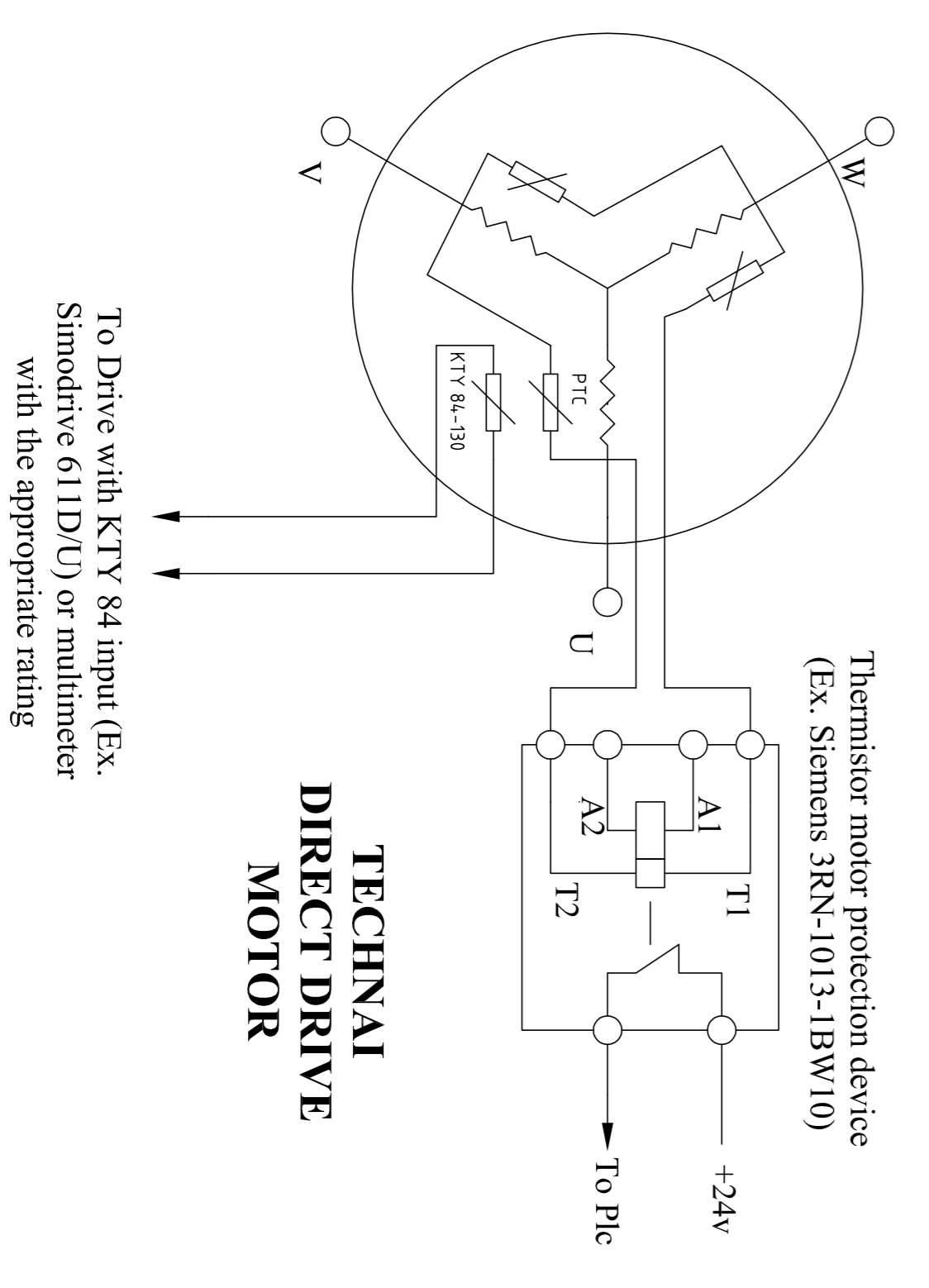


Water Cooling IN
Water Cooling OUT

SECTION "A-A"

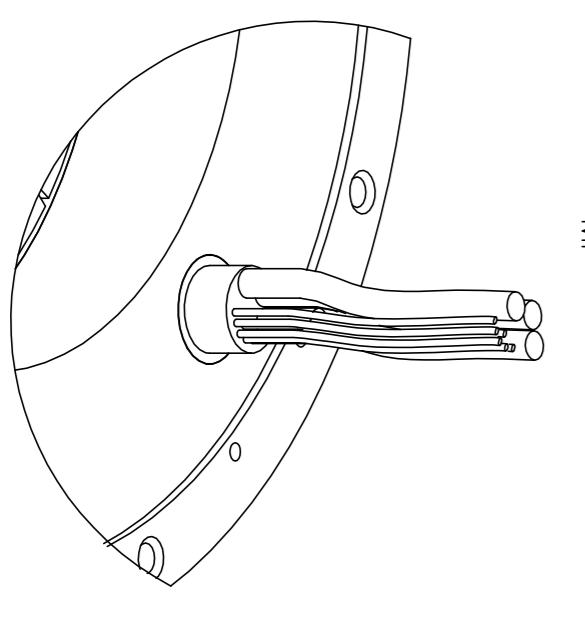


TECHNAL
DIRECT DRIVE
MOTOR

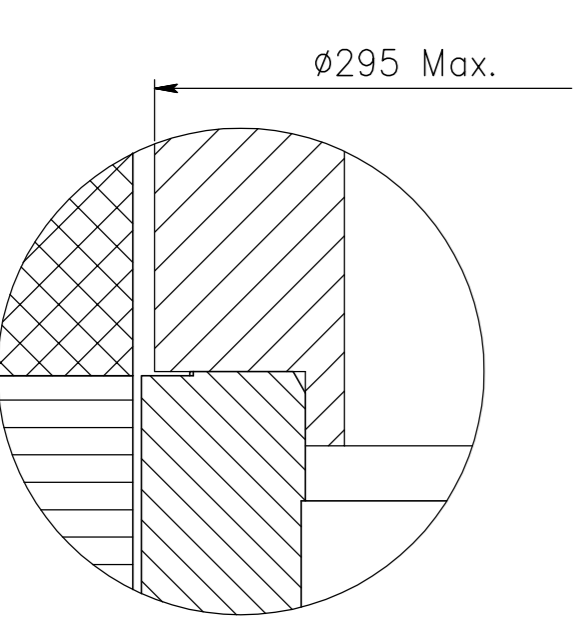


To Drive with KTY 84 input (Ex. Simodrive 611D/U) or multimeter with the appropriate rating

CABLE OUTPUT
CONFIGURATION
MF

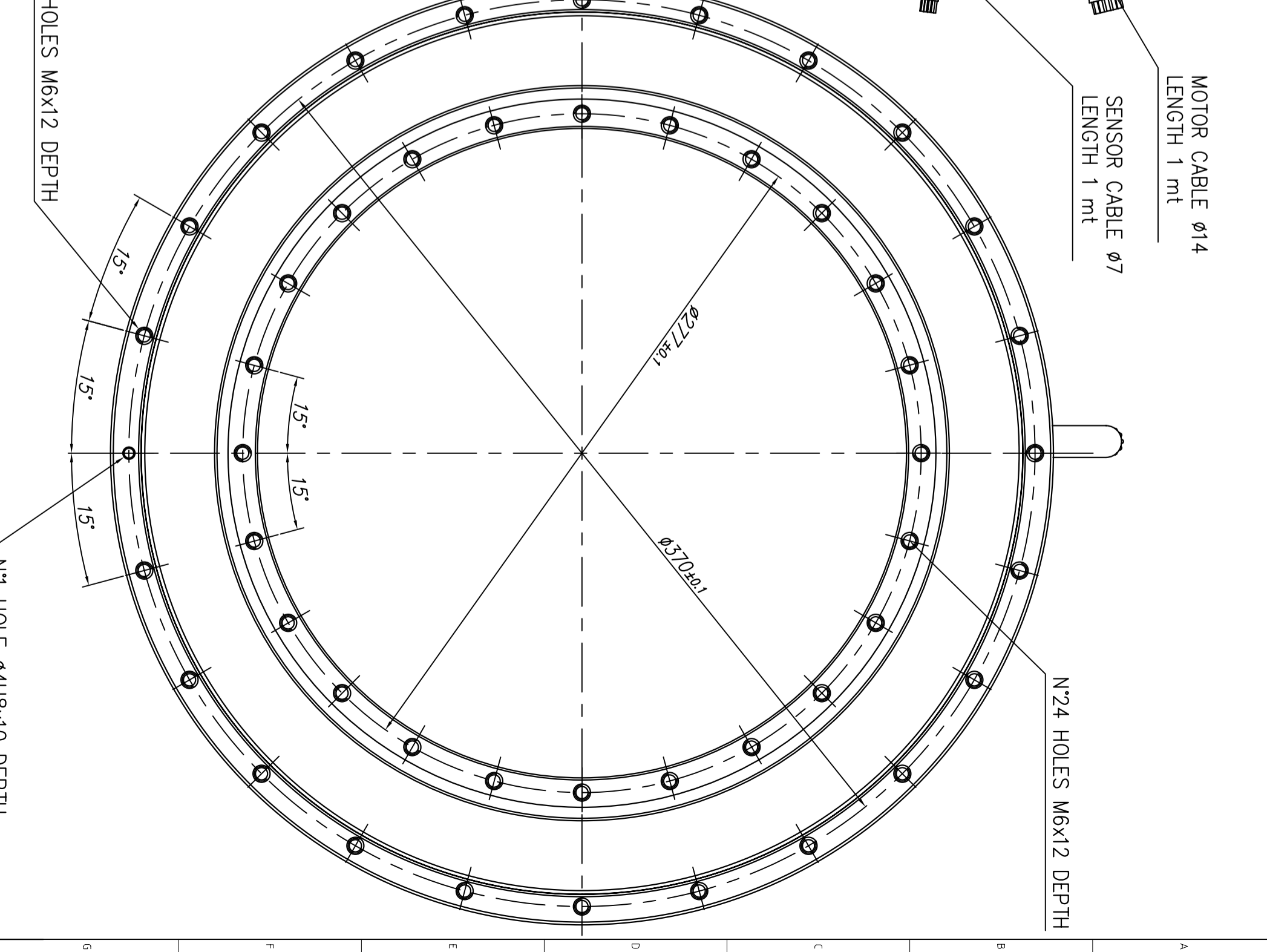
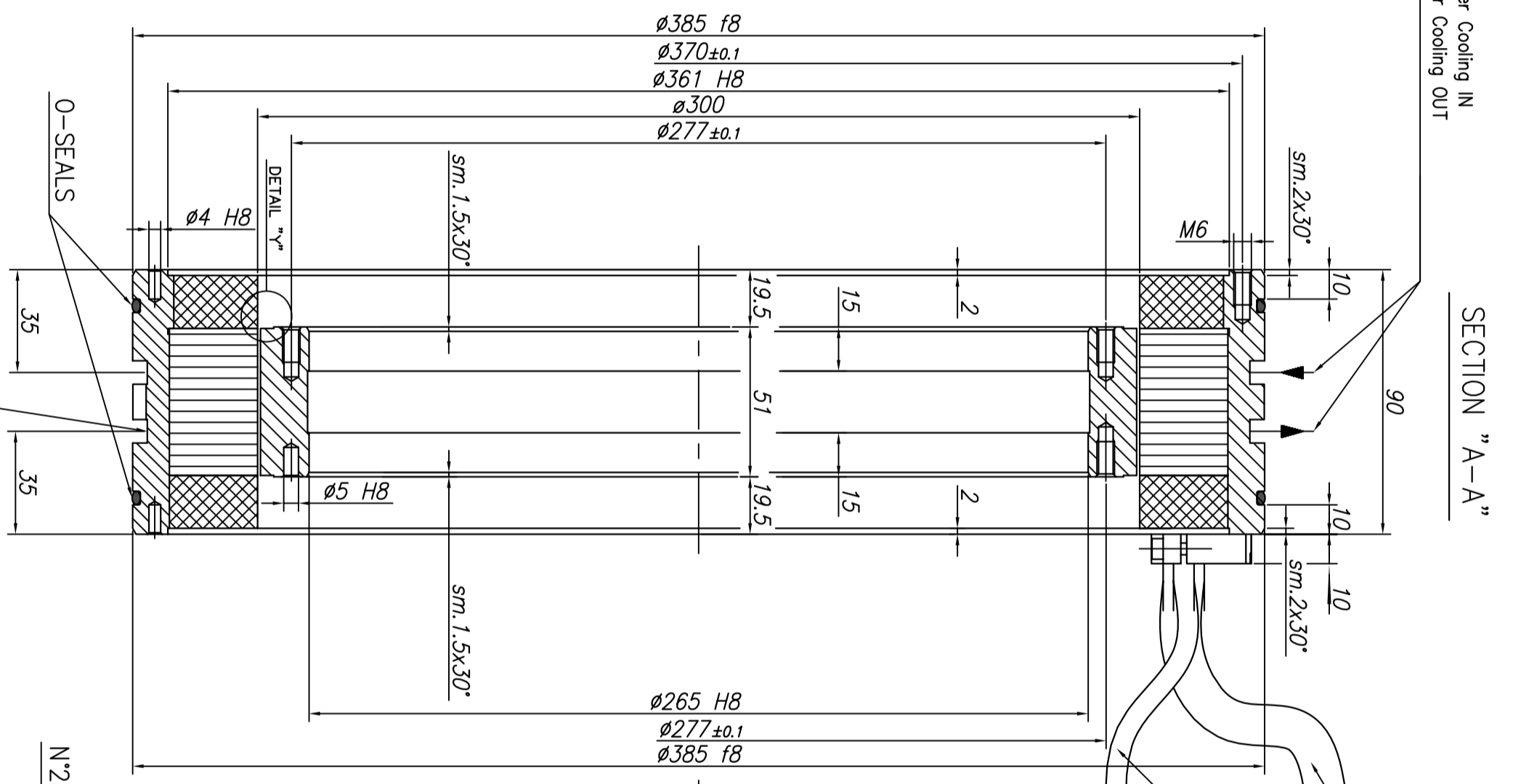
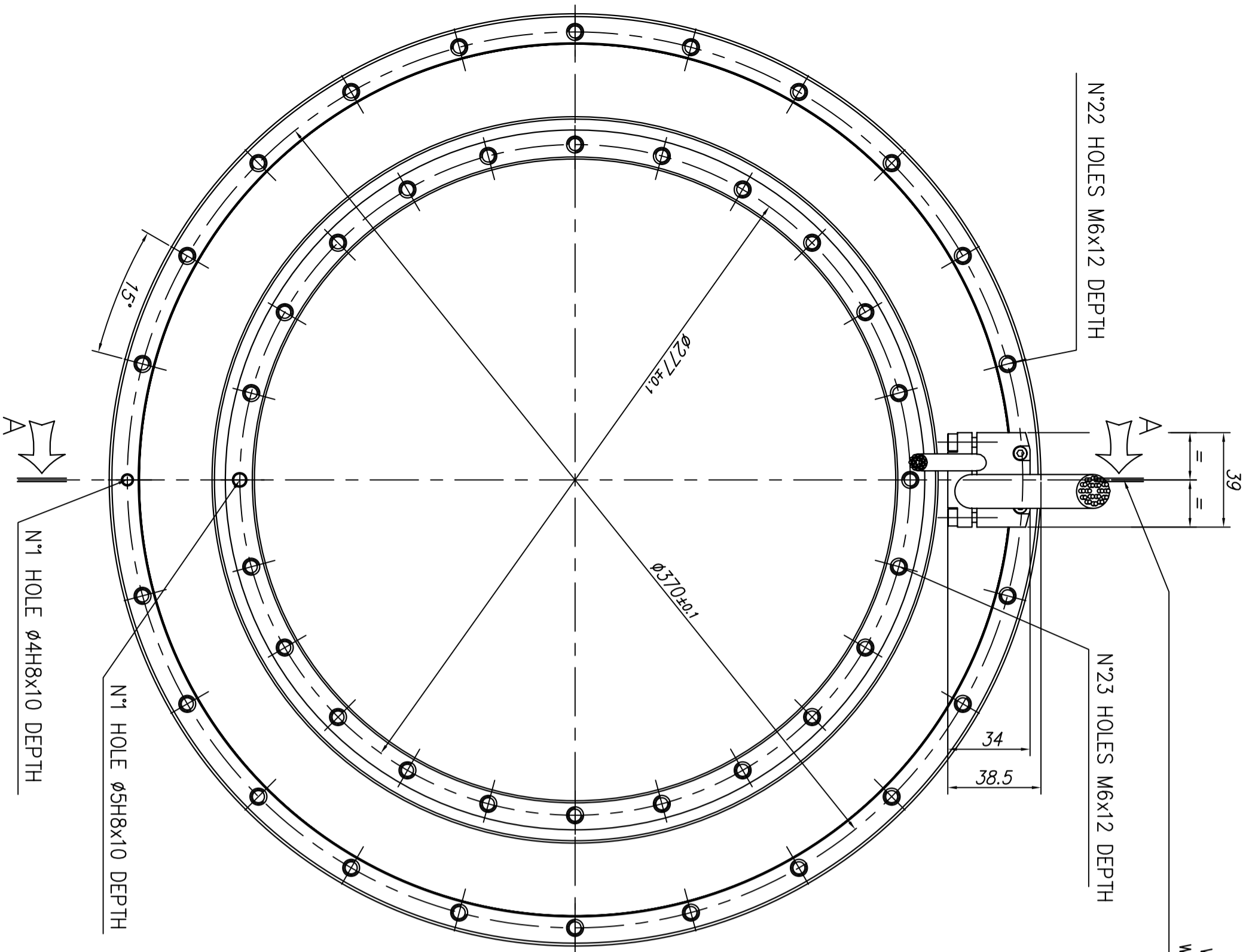


DETAIL "y"
ROTOR INTERFACE TO
CUSTOMER SHAFT



GENERAL ASSEMBLY	
TECHNAL	ROTOR-STATOR KIT MK-CIC 360
000	WK-CIC 360-050 MF
1	1 of 1

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Water Cooling IN
Water Cooling OUT

SECTION "A-A"

MOTOR CABLE $\phi 14$
LENGTH 1 mt

SENSOR CABLE $\phi 7$
LENGTH 1 mt

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

TECHNAI
DIRECT DRIVE
MOTOR

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

CABLE OUTPUT
CONFIGURATION

DETAIL "y-y"
ROTOR INTERFACE TO
CUSTOMER SHAFT

$\phi 295$ Max.

TECHNAI	GENERAL ASSEMBLY
ROTOR-STATOR KIT MK-CIC 360	
020	1 of 1
001	1 of 1