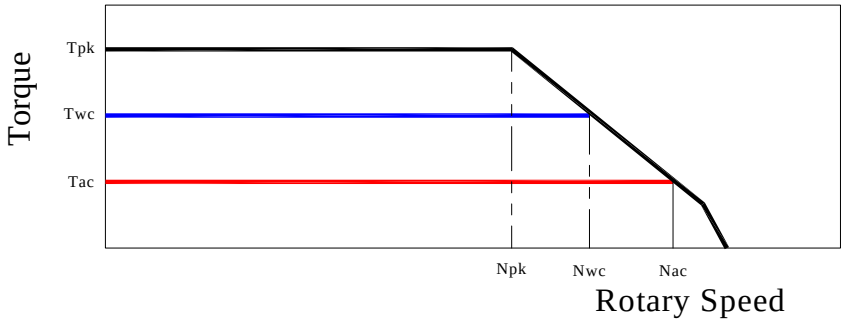
TORQUE MOTOR - MK-CI 210-070 WA

Motor specification	Symbol	Unit	
Number of pole	P		44
Peak Torque	Tpk	Nm	310
Continuos Torque (Water Cooling Dt100)	Twc	Nm	165
Continuos Torque (Air Cooling Dt100)	Tac	Nm	63
Stall Torque (Water Cooling)	Twsc	Nm	126
Stall Torque (Air Cooling)	Tsac	Nm	48
Ripple Torque (Cogging Torque)	Tr	Nm	0,9
Power Loss at Twc	Pwc	Kw	2,5
Power Loss at Tac	Pac	Kw	0,38
Termal Resistance Water Cooling	RthWc	Kw	0,04
Termal Resistance Air Cooling	RthAc	Kw	0,32
Torque Constant	Kt	Nm/a	14,5
Back EMF Constant	Ke	V/1000 Rpm	892
Maximum Speed at Ipk at 600 Vdc	Npk	rpm	80
Maximum Speed at Iwc at 600 Vdc	Nwc	rpm	280
Maximum Speed at Iac at 600 Vdc	Nac	rpm	400
Winding Resistance (Phase to Phase)	R20	Ω	9,34
Winding Inductance (Phase to Phase)	L	mh	28,8
Peak Current	Ipk	Arms	30,6
Continuos Current (Water Cooling Dt100)	Ivc	Arms	11,5
Continuos Current (Air Cooling Dt100)	Iac	Arms	4,4
Stall Current at 0 Speed (Water Cooling)	Iswc	Arms	8,8
Stall Current at 0 Speed (Air Cooling)	Isac	Arms	3,3
Maximum Winding Temperature		°C	130
Height of Rotor		mm	70
Height of Stator		mm	110
Stator jacket outer diameter		mm	230

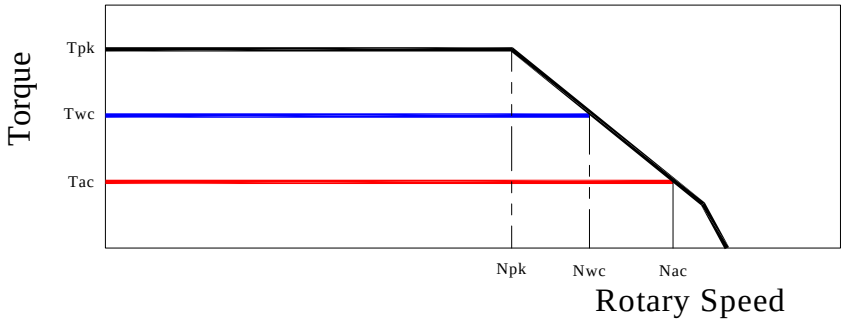
Torque diagram

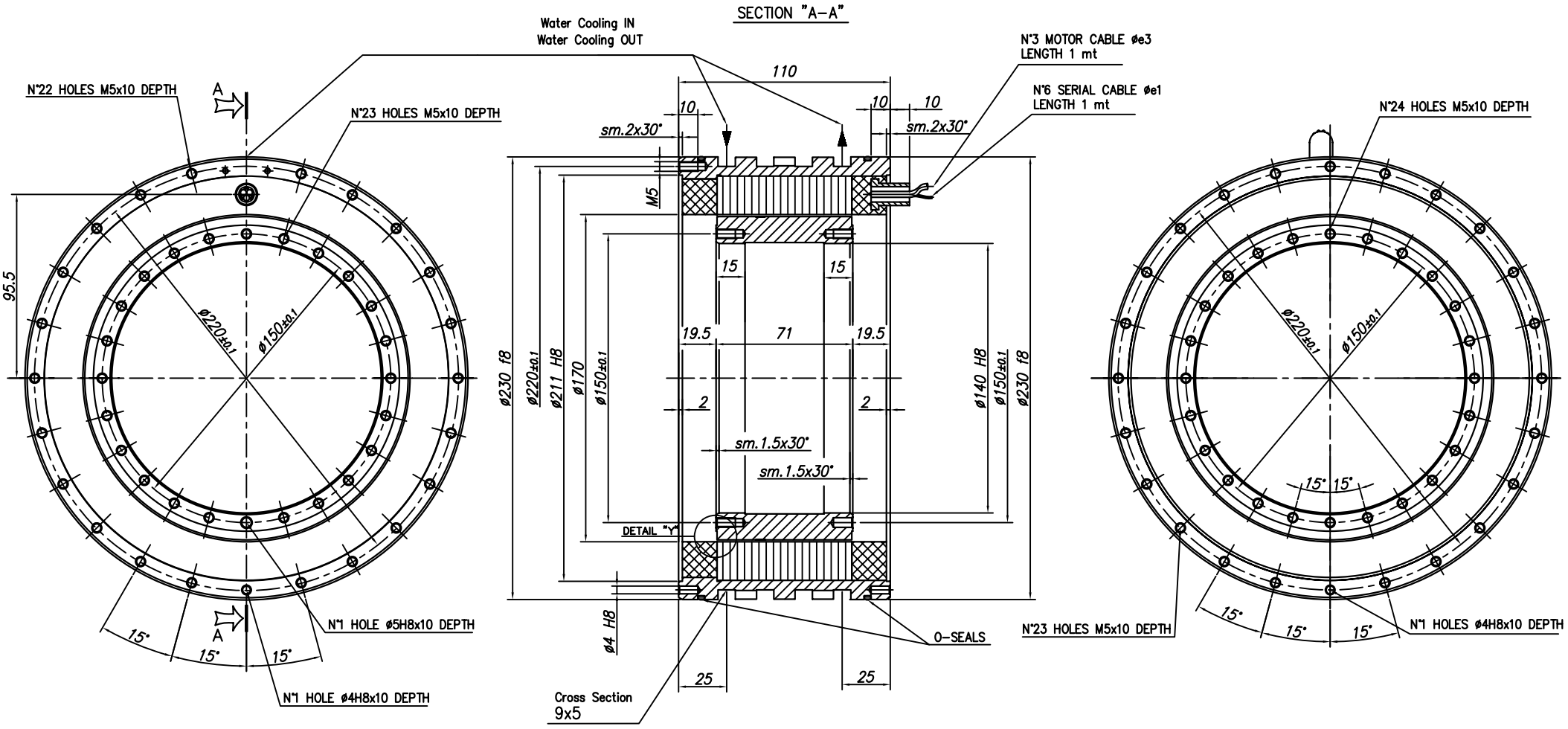


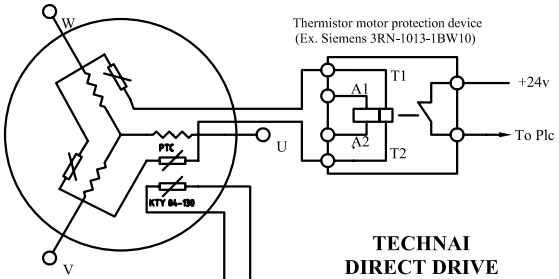
TORQUE MOTOR - MK-CI 210-070 WB

Motor specification	Symbol	Unit	
Number of pole	P		44
Peak Torque	Tpk	Nm	312
Continuos Torque (Water Cooling Dt100)	Twc	Nm	165
Continuos Torque (Air Cooling Dt100)	Tac	Nm	63
Stall Torque (Water Cooling)	Twsc	Nm	126
Stall Torque (Air Cooling)	Tsac	Nm	48
Ripple Torque (Cogging Torque)	Tr	Nm	0,9
Power Loss at Twc	Pwc	Kw	2,5
Power Loss at Tac	Pac	Kw	0,38
Termal Resistance Water Cooling	RthWc	Kw	0,04
Termal Resistance Air Cooling	RthAc	Kw	0,32
Torque Constant	Kt	Nm/a	7,3
Back EMF Constant	Ke	V/1000 Rpm	446
Maximum Speed at Ipk at 600 Vdc	Npk	rpm	350
Maximum Speed at Iwc at 600 Vdc	Nwc	rpm	670
Maximum Speed at Iac at 600 Vdc	Nac	rpm	900
Winding Resistance (Phase to Phase)	R20	Ω	2,34
Winding Inductance (Phase to Phase)	L	mh	7,3
Peak Current	Ipk	Arms	61,4
Continuos Current (Water Cooling Dt100)	Ivc	Arms	22,8
Continuos Current (Air Cooling Dt100)	Iac	Arms	8,8
Stall Current at 0 Speed (Water Cooling)	Iswc	Arms	17,4
Stall Current at 0 Speed (Air Cooling)	Isac	Arms	6,7
Maximum Winding Temperature		°C	130
Height of Rotor		mm	70
Height of Stator		mm	110
Stator jacket outer diameter		mm	230

Torque diagram





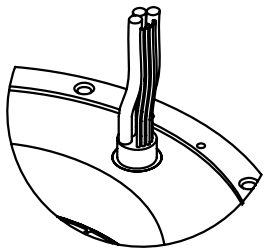


Thermistor motor protection device
(Ex. Siemens 3RN-1013-1BW10)

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

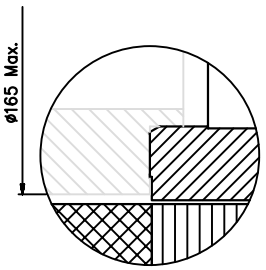
TECHNAI
DIRECT DRIVE
MOTOR

CABLE OUTPUT
CONFIGURATION
MF



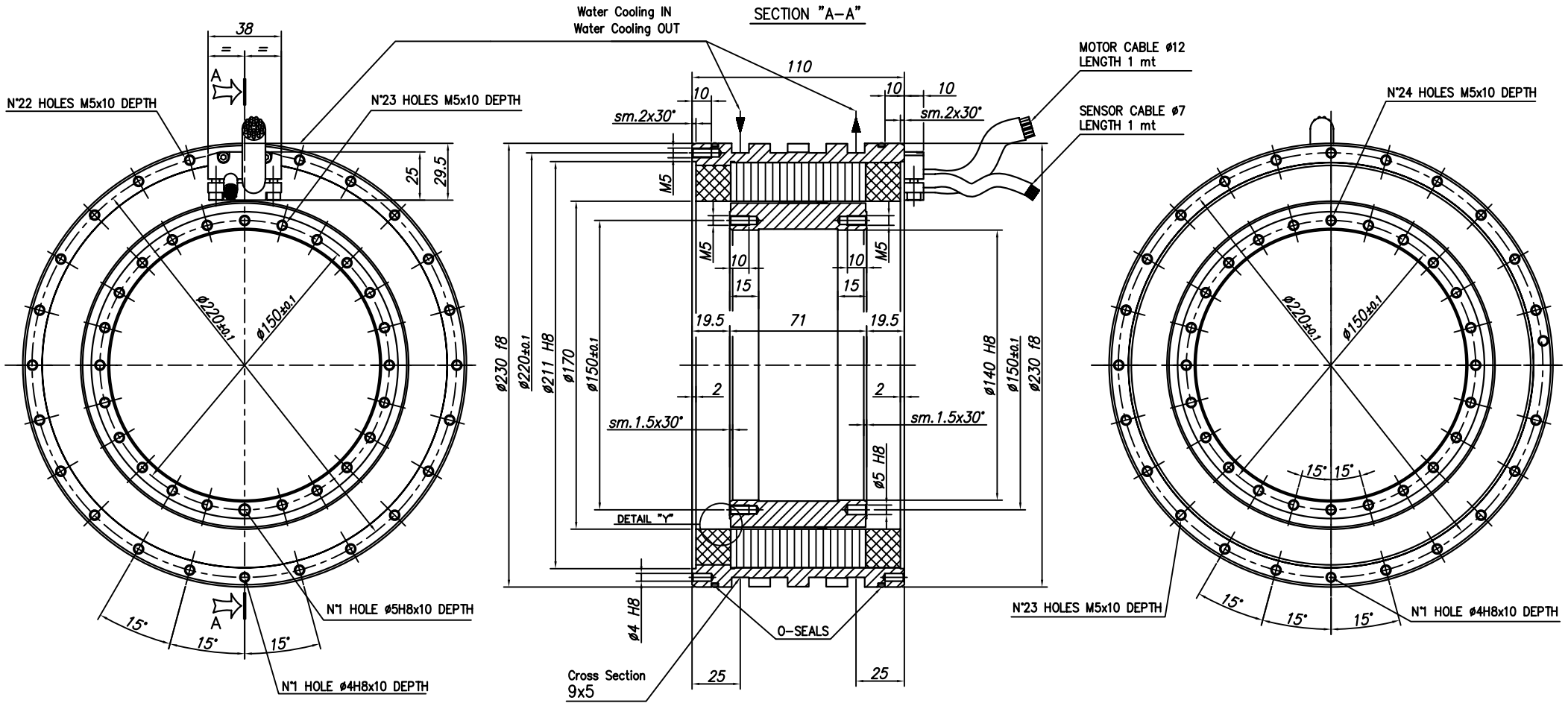
DETAIL "Y"

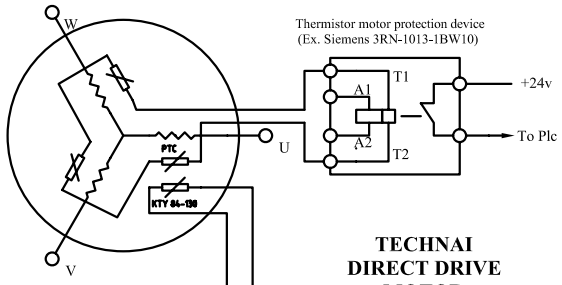
ROTOR INTERFACE TO
CUSTOMER SHAFT



DESCRIPTION	GENERAL ASSEMBLY
ASSEMBLY	ROTOR-STATOR KIT MK-CI 210
COD.	MK-CI 210-070 MF
SHEET	1 of 1

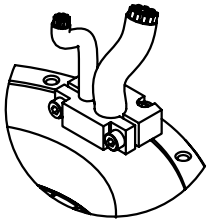
TECHNAI





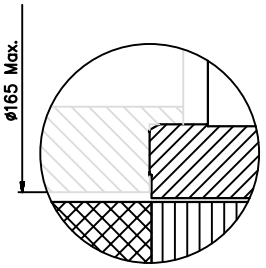
TECHNAI
DIRECT DRIVE
MOTOR

CABLE OUTPUT
CONFIGURATION
MP



DETAIL "Y"

ROTOR INTERFACE TO
CUSTOMER SHAFT



DESCRIPTION	GENERAL ASSEMBLY
ASSEMBLY	ROTOR-STATOR KIT MK-CI 210
COD.	MK-CI 210-070 MP
SHEET	1 of 1

TECHNAI