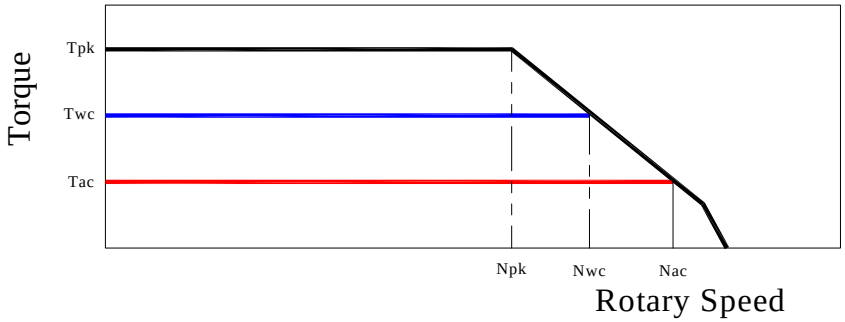
TORQUE MOTOR - MK-CI 210-150 WA

Motor specification	Symbol	Unit	
Number of pole	P		44
Peak Torque	Tpk	Nm	660
Continuos Torque (Water Cooling Dt100)	Twc	Nm	368
Continuos Torque (Air Cooling Dt100)	Tac	Nm	133
Stall Torque (Water Cooling)	Twsc	Nm	281
Stall Torque (Air Cooling)	Tsac	Nm	101
Ripple Torque (Cogging Torque)	Tr	Nm	2
Power Loss at Twc	Pwc	Kw	4,9
Power Loss at Tac	Pac	Kw	0,64
Termal Resistance Water Cooling	RthWc	Kw	0,02
Termal Resistance Air Cooling	RthAc	Kw	0,18
Torque Constant	Kt	Nm/a	17
Back EMF Constant	Ke	V/1000 Rpm	1030
Maximum Speed at Ipk at 600 Vdc	Npk	rpm	80
Maximum Speed at Iwc at 600 Vdc	Nwc	rpm	240
Maximum Speed at Iac at 600 Vdc	Nac	rpm	360
Winding Resistance (Phase to Phase)	R20	Ω	4,96
Winding Inductance (Phase to Phase)	L	mh	17,97
Peak Current	Ipk	Arms	56
Continuos Current (Water Cooling Dt100)	Ivc	Arms	22
Continuos Current (Air Cooling Dt100)	Iac	Arms	7,9
Stall Current at 0 Speed (Water Cooling)	Iswc	Arms	16,6
Stall Current at 0 Speed (Air Cooling)	Isac	Arms	6
Maximum Winding Temperature		°C	130
Height of Rotor		mm	150
Height of Stator		mm	190
Stator jacket outer diameter		mm	230

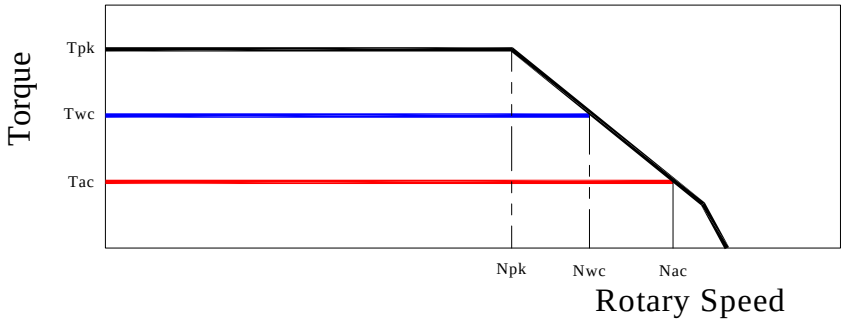
Torque diagram

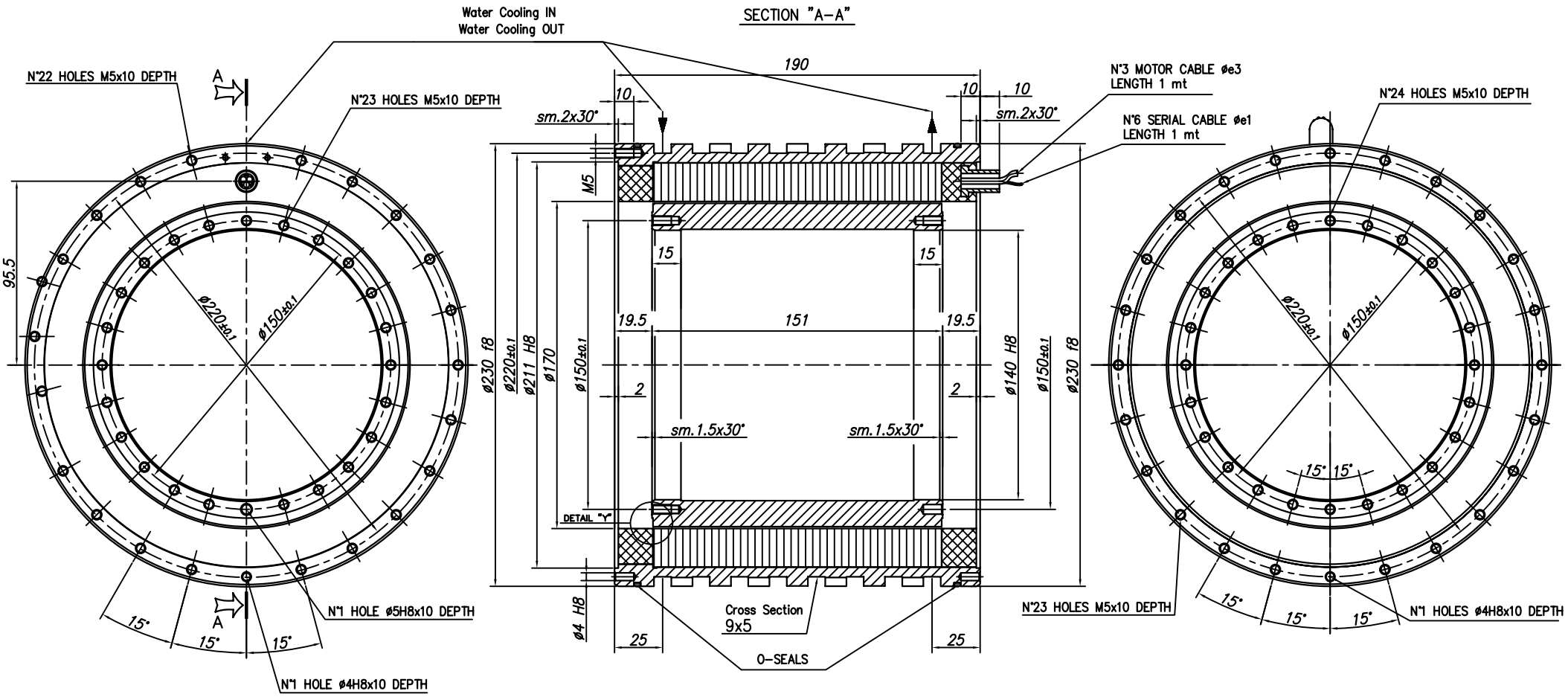


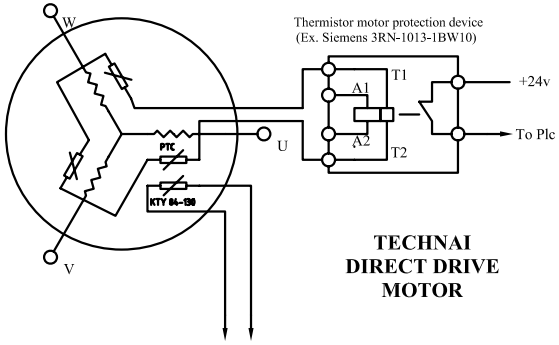
TORQUE MOTOR - MK-CI 210-150 WB

Motor specification	Symbol	Unit	
Number of pole	P		44
Peak Torque	Tpk	Nm	670
Continuos Torque (Water Cooling Dt100)	Twc	Nm	365
Continuos Torque (Air Cooling Dt100)	Tac	Nm	132
Stall Torque (Water Cooling)	Twsc	Nm	281
Stall Torque (Air Cooling)	Tsac	Nm	101
Ripple Torque (Cogging Torque)	Tr	Nm	2
Power Loss at Twc	Pwc	Kw	4,9
Power Loss at Tac	Pac	Kw	0,64
Termal Resistance Water Cooling	RthWc	Kw	0,02
Termal Resistance Air Cooling	RthAc	Kw	0,18
Torque Constant	Kt	Nm/a	12,8
Back EMF Constant	Ke	V/1000 Rpm	787
Maximum Speed at Ipk at 600 Vdc	Npk	rpm	150
Maximum Speed at Iwc at 600 Vdc	Nwc	rpm	360
Maximum Speed at Iac at 600 Vdc	Nac	rpm	475
Winding Resistance (Phase to Phase)	R20	Ω	2,8
Winding Inductance (Phase to Phase)	L	mh	12,8
Peak Current	Ipk	Arms	75
Continuos Current (Water Cooling Dt100)	Ivc	Arms	28,9
Continuos Current (Air Cooling Dt100)	Iac	Arms	10,5
Stall Current at 0 Speed (Water Cooling)	Iswc	Arms	22
Stall Current at 0 Speed (Air Cooling)	Isac	Arms	8
Maximum Winding Temperature		°C	130
Height of Rotor		mm	150
Height of Stator		mm	190
Stator jacket outer diameter		mm	230

Torque diagram





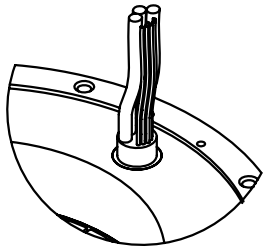


Thermistor motor protection device
(Ex. Siemens 3RN-1013-1BW10)

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

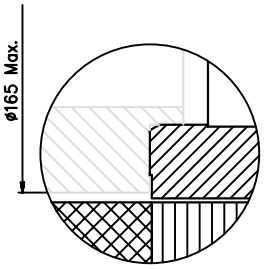
TECHNAI DIRECT DRIVE MOTOR

CABLE OUTPUT CONFIGURATION MF

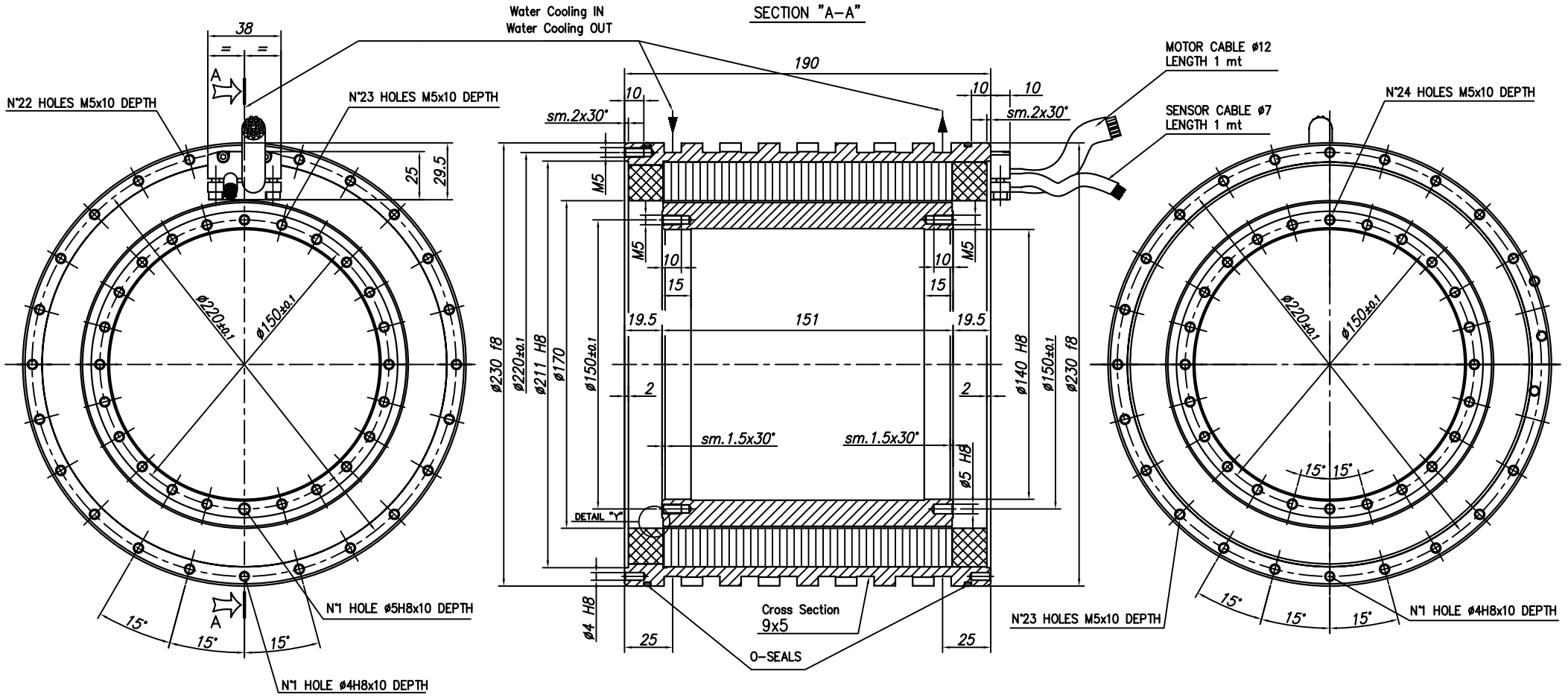


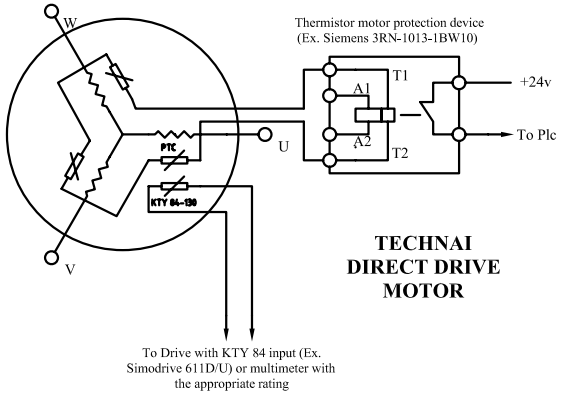
DETAIL "Y"

ROTOR INTERFACE TO CUSTOMER SHAFT



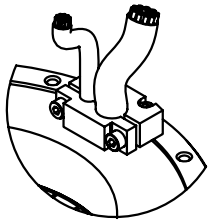
TECHNAI	DESCRIPTION	GENERAL ASSEMBLY	
	WORK	ROTOR-STATOR KIT MK-CI 210	
	COD.	MK-CI 210-150 MF	SHEET 1 of 1



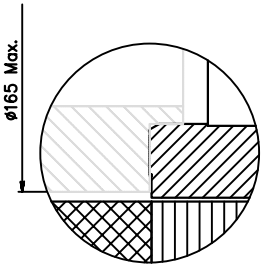


TECHNAI
DIRECT DRIVE
MOTOR

CABLE OUTPUT
CONFIGURATION
MP



DETAIL "Y"
ROTOR INTERFACE TO
CUSTOMER SHAFT



DESCRIPTION	GENERAL ASSEMBLY
ASSEMBLY	ROTOR-STATOR KIT MK-CI 210
COD.	MK-CI 210-150 MP
SHEET	1 of 1

TECHNAI