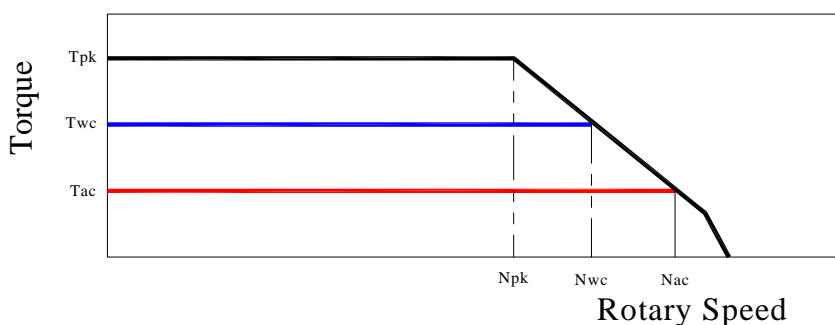
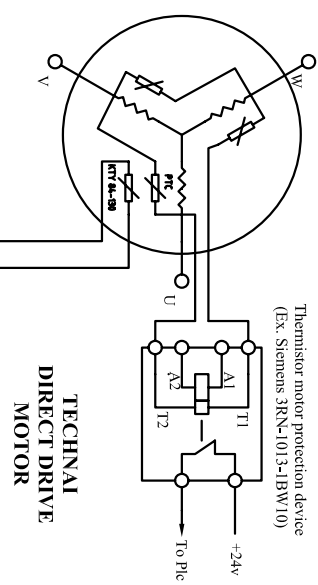
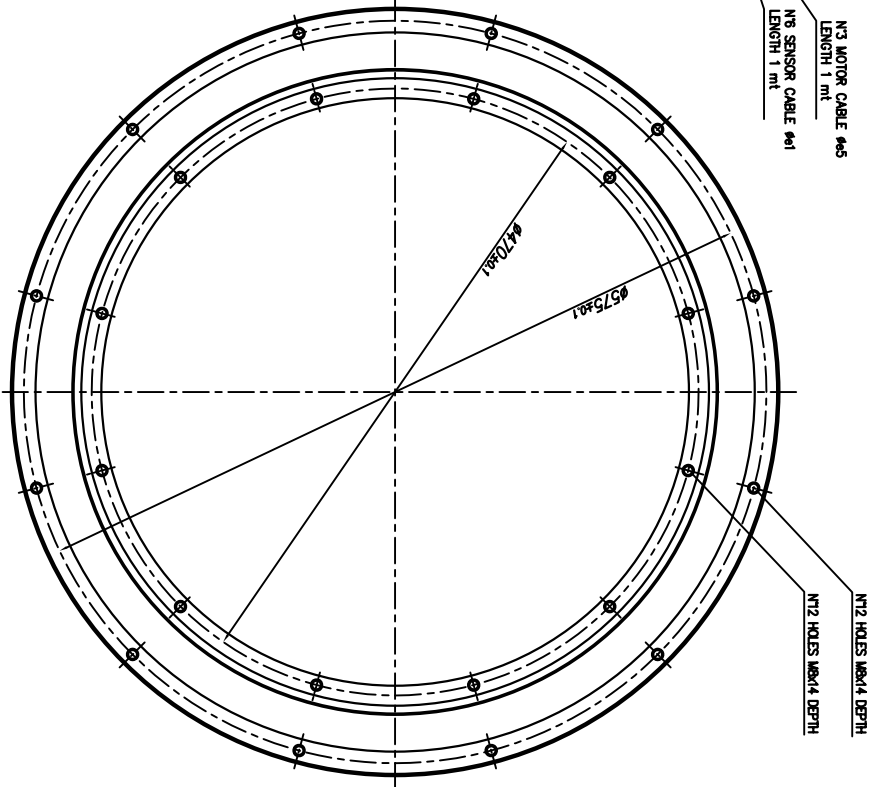
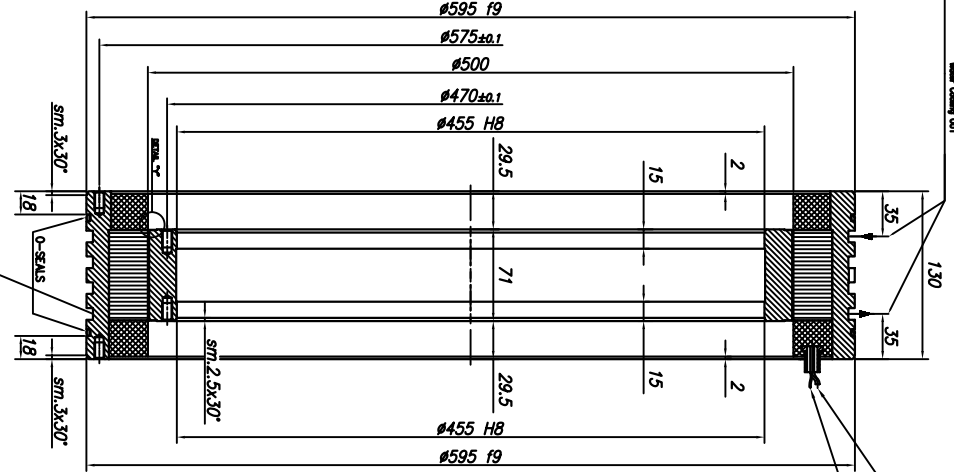
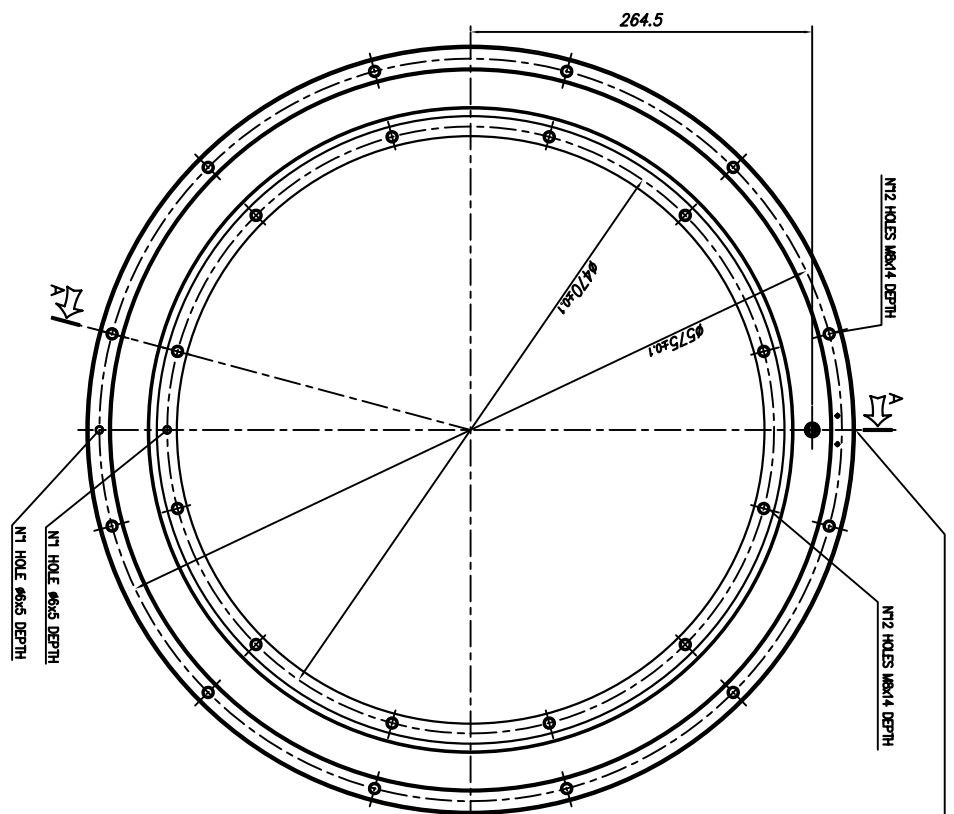


## TORQUE MOTOR - MK-CI 560-70 WA

Motor specification	Symbol	Unit	
Number of pole	P		88
Peak Torque	T <sub>pk</sub>	Nm	2664
Continuos Torque (Water Cooling Dt100)	T <sub>wc</sub>	Nm	1459
Continuos Torque (Air Cooling Dt100)	T <sub>ac</sub>	Nm	670
Stall Torque (Water Cooling)	T <sub>wsc</sub>	Nm	1113
Stall Torque (Air Cooling)	T <sub>sac</sub>	Nm	512
Ripple Torque (Cogging Torque)	T <sub>r</sub>	Nm	17
Power Loss at T <sub>wc</sub>	P <sub>wc</sub>	Kw	6,4
Power Loss at T <sub>ac</sub>	P <sub>ac</sub>	Kw	1,3
Termal Resistance Water Cooling	R <sub>thWc</sub>	Kw	0,15
Termal Resistance Air Cooling	R <sub>thAc</sub>	Kw	0,07
Torque Constant	K <sub>t</sub>	Nm/a	45,8
Back EMF Constant	K <sub>e</sub>	V/1000 Rpm	2765
Maximum Speed at I <sub>pk</sub> at 600 Vdc	N <sub>pk</sub>	rpm	29
Maximum Speed at I <sub>wc</sub> at 600 Vdc	N <sub>wc</sub>	rpm	87
Maximum Speed at I <sub>ac</sub> at 600 Vdc	N <sub>ac</sub>	rpm	120
Winding Resistance (Phase to Phase)	R <sub>20</sub>	Ω	2,85
Winding Inductance (Phase to Phase)	L	mh	17,5
Peak Current	I <sub>pk</sub>	Arms	83,5
Continuos Current (Water Cooling Dt100)	I <sub>wc</sub>	Arms	33
Continuos Current (Air Cooling Dt100)	I <sub>ac</sub>	Arms	14,9
Stall Current at 0 Speed (Water Cooling)	I <sub>wsc</sub>	Arms	25,1
Stall Current at 0 Speed (Air Cooling)	I <sub>sac</sub>	Arms	11,4
Maximum Winding Temperature		°C	130
Height of Rotor		mm	70
Height of Stator		mm	130
Stator jacket outer diameter		mm	600

### Torque diagram

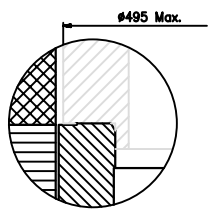
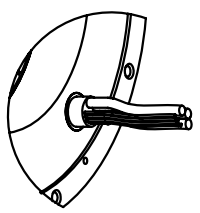




To Drive with KTY 84 input (Ex Simodrive 611D/U) or multimeter with the appropriate rating

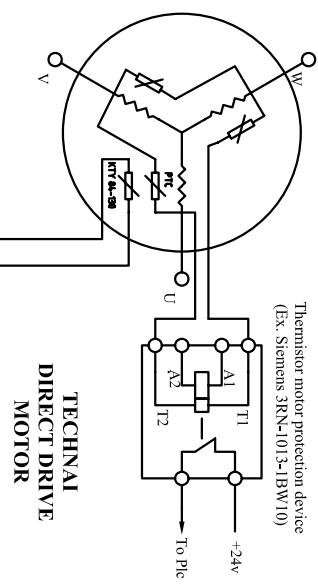
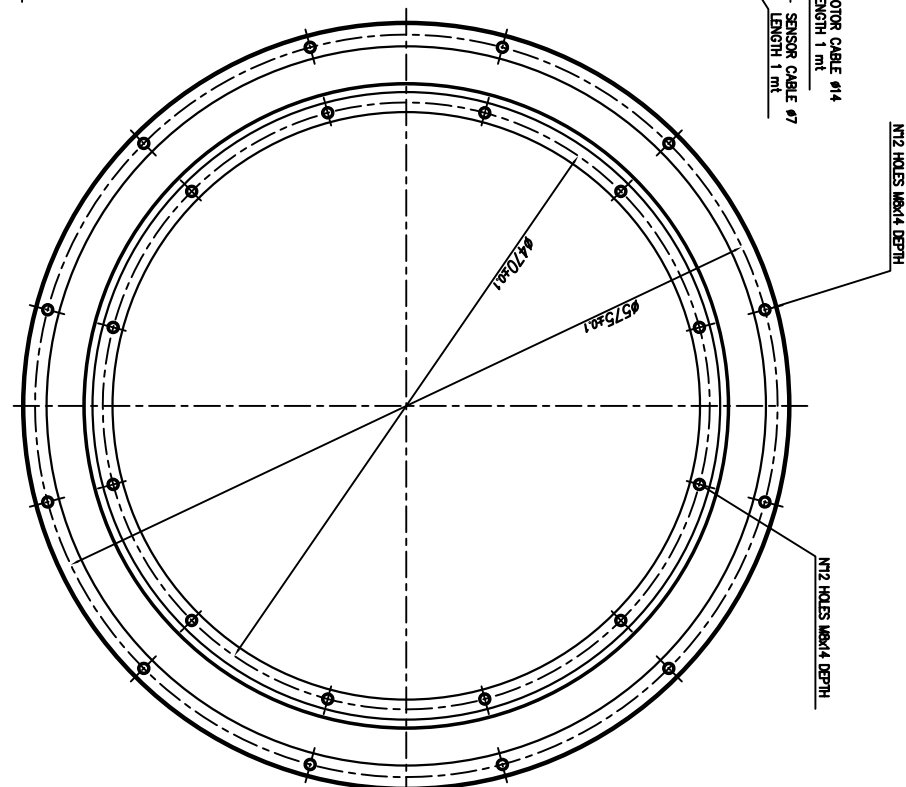
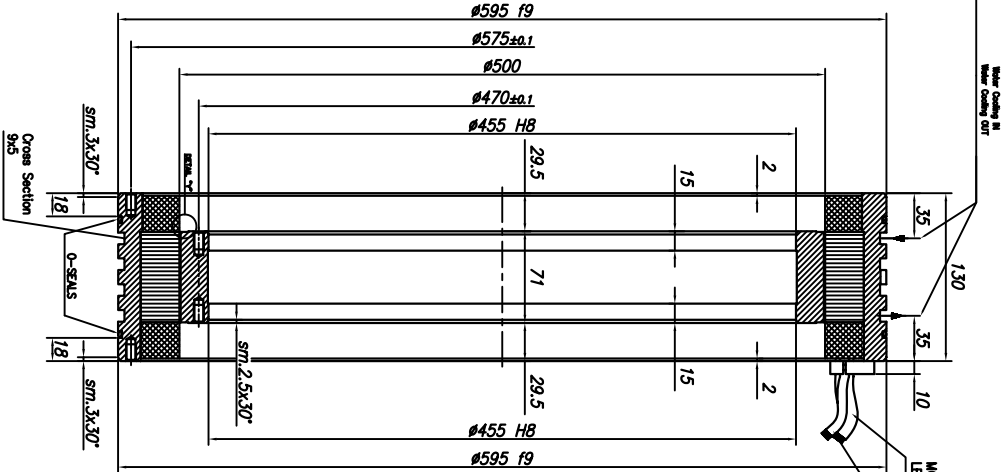
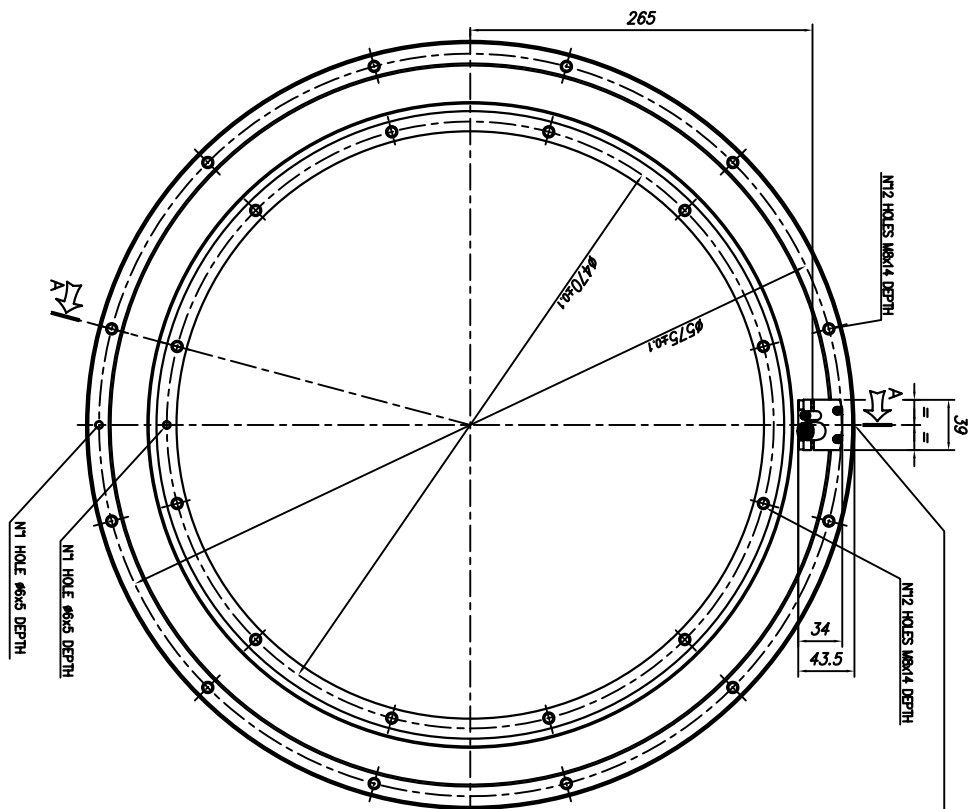
**TECHNAI  
DIRECT DRIVE  
MOTOR**

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

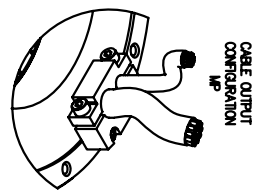


**DETAIL 'A-A'**  
ROTOR INTERFACE TO  
CUSTOMER SHAFT

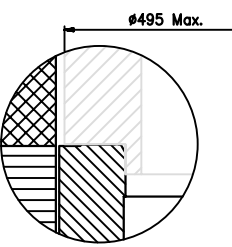
TECHNAI		GENERAL ASSEMBLY	
MK-CI 560-070 MFI		MK-CI 560	
SHEET 1 OF 1		MATERIAL	
DATE		REVISION	
DRAWN		CHECKED	
APPROVED		DATE	



**TECHNAI  
DIRECT DRIVE  
MOTOR**



**CABLE OUTPUT  
CONNECTION**



**DETAIL 'A-A'  
ROTOR INTERFACE TO  
CUSTOM SHAFT**

<b>TECHNAI</b>		<b>GENERAL ASSEMBLY</b>	
ITEM NO.	REV.	DATE	BY
<b>TECHNAI</b> ROTOR-STATOR KIT MK-CI 560 MK-CI 560-070 MP1 SHEET 1 OF 1			
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