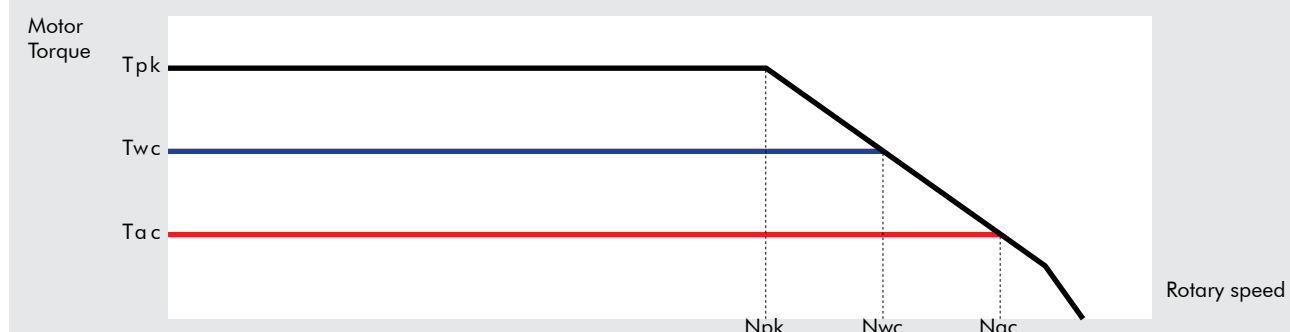
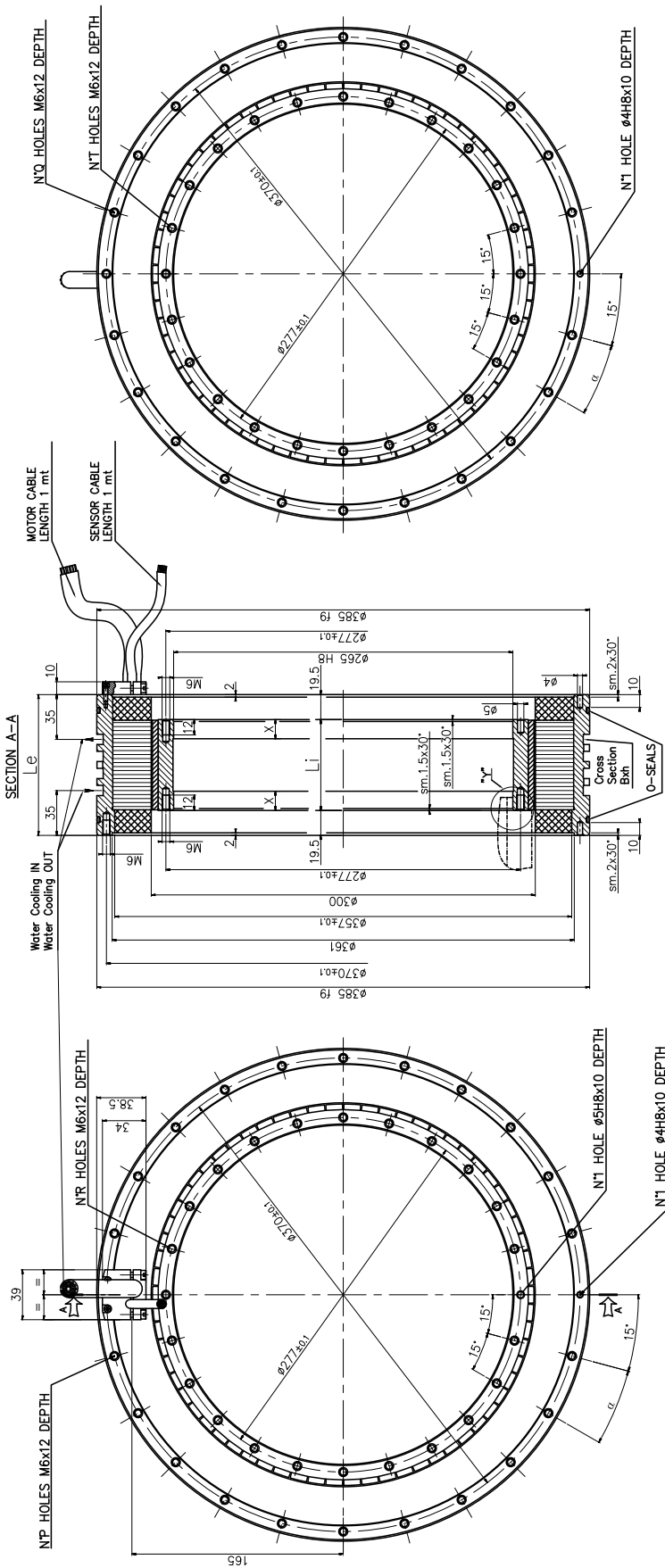


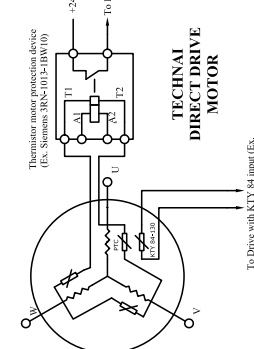
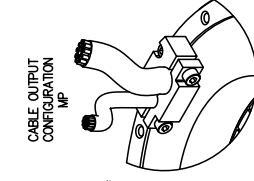
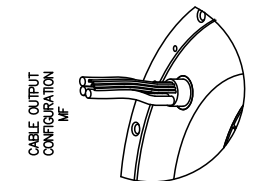
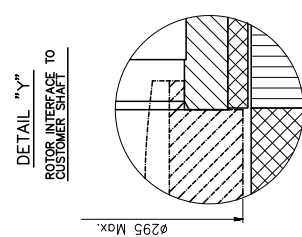
Motor Specifications TECHNAI MK-CIC 360 WA/WB

Motor Specifications	Symbol	Unit	MK-CIC 360-050		MK-CIC 360-070	
			WA	WB	WA	WB
Number of pole	P		66	66	66	66
Peak Torque	T _{pk}	Nm	724	724	1013	1013
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	415	428	587	584
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	175	178	249	247
Stall Torque (Water Cooling)	T _{swc}	Nm	317	324	472	468
Stall Torque (Air Cooling)	T _{sac}	Nm	134	137	190	190
Ripple Torque (Cogging Torque)	T _r	Nm	1,8	1,8	2,5	2,5
Power Loss at T _{wc}	P _{wc}	KW	2,8	2,75	3,65	3,65
Power Loss at T _{ac}	P _{ac}	KW	0,5	0,5	0,62	0,62
Termal Resistance Water Cooling	R _{thWc}	K/W	0,036	0,036	0,027	0,027
Termal Resistance Air Cooling	R _{thAc}	K/W	0,196	0,196	0,161	0,161
Torque Constant	K _t	Nm/A	30,0	9,8	21,3	13,6
Back EMF Constant	K _e	V/1000 Rpm	1850	599	1313	839
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	RPM	50	220	100	170
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	RPM	140	480	200	340
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	RPM	190	660	290	460
Winding Resistance (Phase to Phase)	R ₂₀	Ω	6,8	0,66	2	0,83
Winding Inductance (Phase to Phase)	L	mH	42	5,05	21,3	6
Peak Current	I _{pk}	Arms	35	116	73,5	116
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	14	44,5	29,4	45,6
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	6	19	12	19
Stall Current at 0 Speed (Water Cooling)	I _{swc}	Arms	10,7	34	22,4	35
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	4,6	14,5	9,2	14,5
Maximum Winding Temperature		°C	130	130	130	130
Height of Rotor		mm	50	50	70	70
Height of Stator		mm	90	90	110	110
Outer Diameter of Stator		mm	385	385	385	385





TYPE MK-CIC-360	050	070	
STATOR LENGTH	Le	90	110
ROTOR LENGTH	Li	51	71
CENTERING LENGTH	X	15	15
COOLING GROOVE WIDTH	B	8	8
COOLING GROOVE DEPTH	h	5	5
COOLING GROOVES	N ₆	2	4
STATOR HOLES	P	22	22
	Q	23	23
ROTOR HOLES	R	23	23
	T	24	24
HOLES PITCH ANGLE	α	15°	15°



To Drive with KTY 84 input EX, Sensitive 61(DU) or multimeter with the appropriate rating