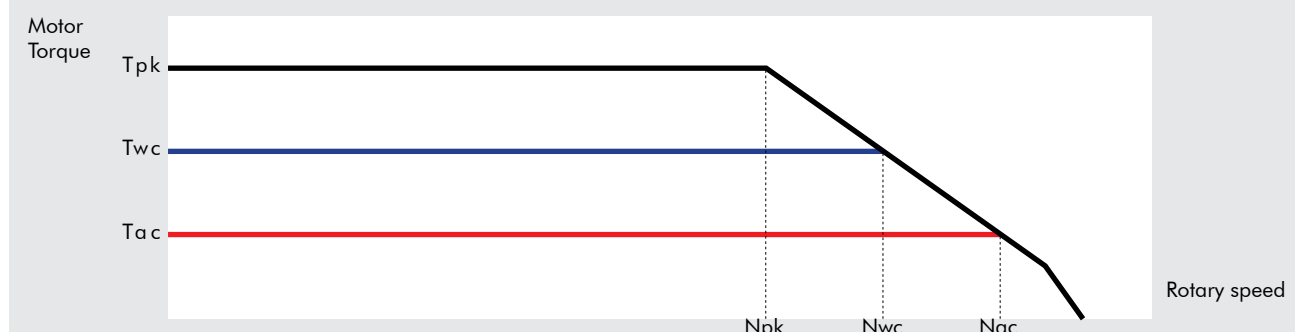
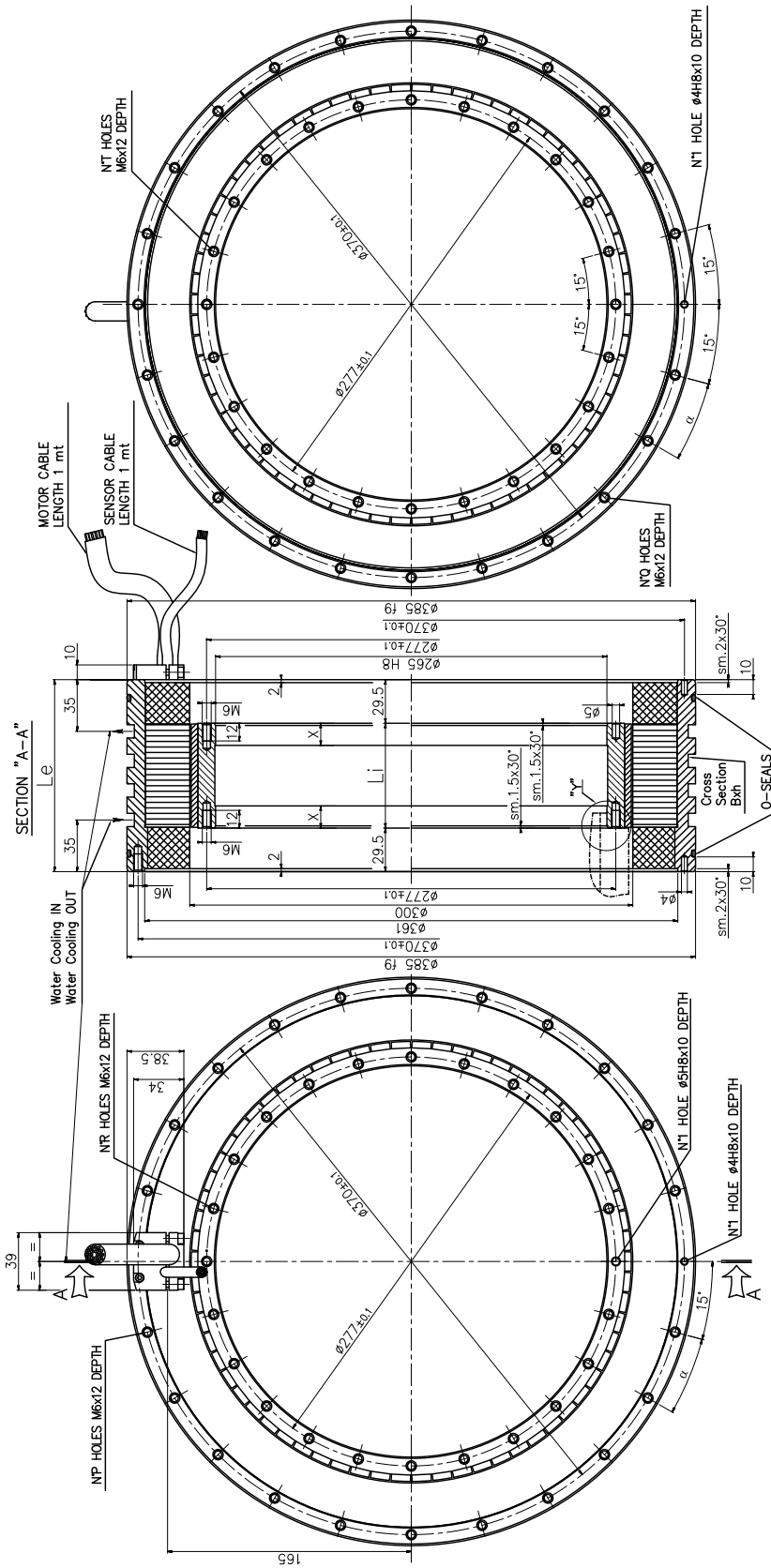


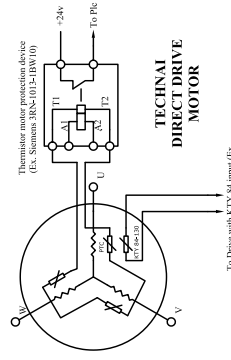
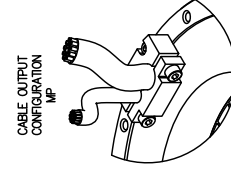
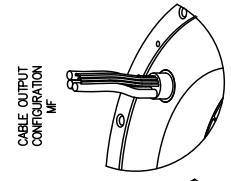
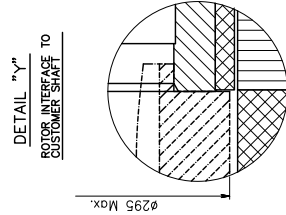
Motor Specifications TECHNAI MK-CI 360 WA/WB

Motor Specifications	Symbol	Unit	MK-CI 360-030		MK-CI 360-050		MK-CI 360-070		MK-CI 360-100		MK-CI 360-150	
			WA	WB	WA	WB	WA	WB	WA	WB	WA	WB
Number of pole	P		66	66	66	66	66	66	66	66	66	66
Peak Torque	T _{pk}	Nm	428	430	724	724	1013	1013	1448	1447	2173	2120
Continuos Torque (Water Cooling Dt100)	T _{wc}	Nm	239	248	415	428	587	584	821	821	1240	1262
Continuos Torque (Air Cooling Dt100)	T _{ac}	Nm	112	112	175	178	249	247	341	335	504	513
Stall Torque (Water Cooling)	T _{swc}	Nm	182	189	317	324	472	468	657	657	986	1014
Stall Torque (Air Cooling)	T _{sac}	Nm	85	85	134	137	190	190	261	257	386	394
Ripple Torque (Cogging Torque)	T _r	Nm	1	1	1,8	1,8	2,5	2,5	3,6	3,6	5,4	5,4
Power Loss at T _{wc}	P _{wc}	KW	1,9	2,1	2,8	2,75	3,65	3,65	5	5	7	7
Power Loss at T _{ac}	P _{ac}	KW	0,45	0,45	0,5	0,5	0,62	0,62	0,8	0,8	1,1	1,1
Termal Resistance Water Cooling	R _{thWc}	K/W	0,052	0,052	0,0369	0,036	0,028	0,028	0,020	0,020	0,013	0,013
Termal Resistance Air Cooling	R _{thAc}	K/W	0,251	0,251	0,196	0,196	0,161	0,161	0,128	0,128	0,0944	0,0944
Torque Constant	K _t	Nm/A	18,0	8,9	30,0	9,8	21,3	13,6	30,5	16,0	29,1	19,0
Back EMF Constant	K _e	V/1000 Rpm	1110	547	1850	599	1313	839	1876	990	1797	1172
Maximum Speed at I _{pk} at 600 Vdc	N _{pk}	RPM	110	250	50	220	100	170	50	140	65	120
Maximum Speed at I _{wc} at 600 Vdc	N _{wc}	RPM	250	520	140	480	200	340	140	290	145	240
Maximum Speed at I _{ac} at 600 Vdc	N _{ac}	RPM	340	730	190	660	290	460	200	390	210	340
Winding Resistance (Phase to Phase)	R ₂₀	Ω	5,05	1,24	6,8	0,66	2	0,83	2,9	0,81	1,65	0,67
Winding Inductance (Phase to Phase)	L	mH	26,1	6,3	42	5,05	21,3	6	20,8	5,8	12,6	5,37
Peak Current	I _{pk}	Arms	36,8	75	35	116	73,5	116	73,5	140	115	173
Continuos Current (Water Cooling Dt100)	I _{wc}	Arms	13,5	28,3	14	44,5	29,4	45,6	28,6	55	45	71
Continuos Current (Air Cooling Dt100)	I _{ac}	Arms	6,4	13	6	19	12	19	11,6	21,6	18	28
Stall Current at 0 Speed (Water Cooling)	I _{swc}	Arms	10,3	21,6	10,7	34	22,4	35	21,8	41,5	34,3	54
Stall Current at 0 Speed (Air Cooling)	I _{sac}	Arms	4,9	9,9	4,6	14,5	9,2	14,5	8,9	16,5	13,6	21,5
Maximum Winding Temperature		°C	130	130	130	130	130	130	130	130	130	130
Height of Rotor		mm	30	30	50	50	70	70	100	100	150	150
Height of Stator		mm	90	90	110	110	130	130	160	160	210	210
Outer Diameter of Stator		mm	385	385	385	385	385	385	385	385	385	385





TYPE MK-CI-360		030	050	070	100	150
STATOR LENGTH	Le	90	110	130	160	210
ROTOR LENGTH	Li	31	51	71	101	151
CENTERING LENGTH	X	10	15	15	15	15
COOLING GROOVE WIDTH	B	8	8	9	8	9
COOLING GROOVE DEPTH	h	5	5	5	5	5
COOLING GROOVES	No	2	4	4	8	8
STATOR HOLES	P	22	22	22	22	22
ROTOR HOLES	Q	23	23	23	23	23
ROTOR HOLES	R	23	23	23	23	23
ROTOR HOLES	T	24	24	24	24	24
HOLES PITCH ANGLE	a	15°	15°	15°	15°	15°



To Drive with KTY 84 input (Ex. Samsun) use the motor with the appropriate rating.