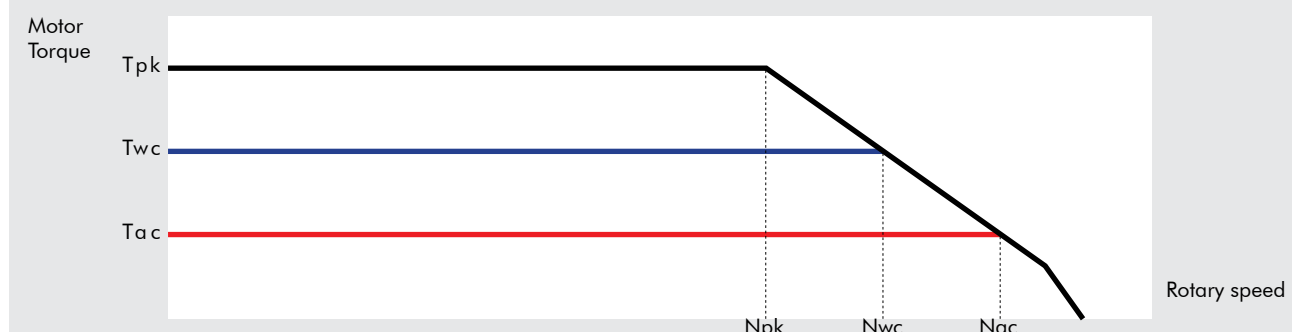
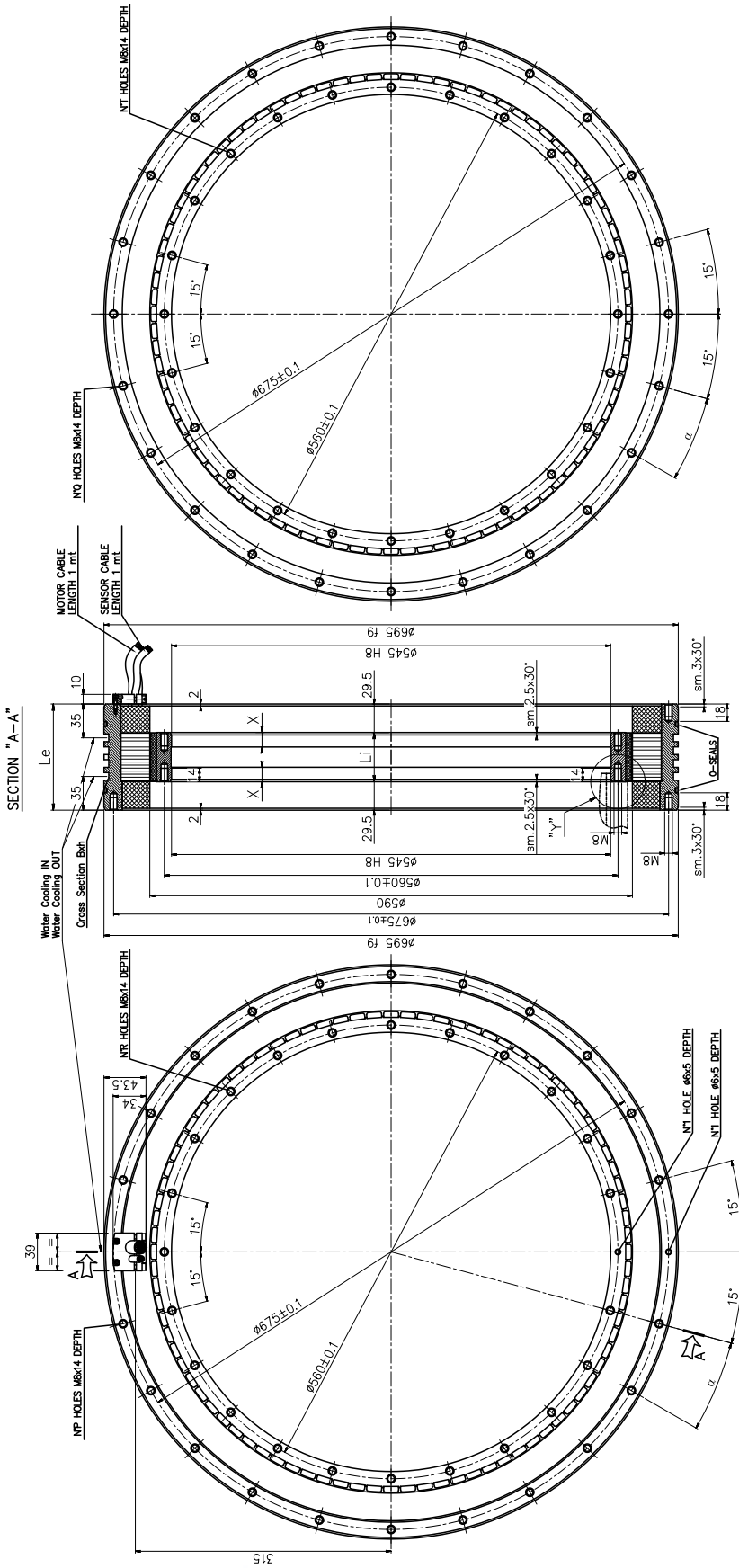


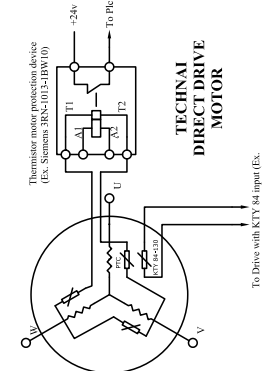
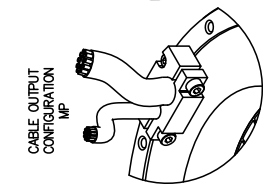
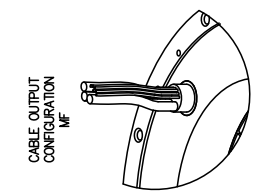
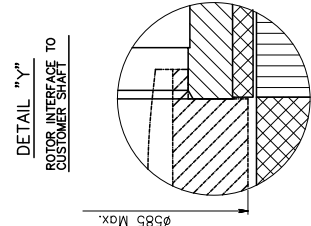
Motor Specifications TECHNAI MK-CI 660 WA/WB

Motor Specifications	Symbol	Unit	MK-CI 660-030		MK-CI 660-050		MK-CI 660-070		MK-CI 660-100		MK-CI 660-150	
			WA	WB	WA	WB	WA	WB	WA	WB	WA	WB
Number of pole	P		110	110	110	110	110	110	110	110	110	110
Peak Torque	Tpk	Nm	1600	1600	2400	2400	3500	3500	5000	5000	7200	7200
Continuos Torque (Water Cooling Dt100)	Twc	Nm	815	815	1300	1300	2012	2012	2900	2900	4000	4000
Continuos Torque (Air Cooling Dt100)	Tac	Nm	400	400	523	523	835	835	1200	1200	1800	1800
Stall Torque (Water Cooling)	Tswc	Nm	620	620	1020	1020	1540	1540	2200	2200	3120	3120
Stall Torque (Air Cooling)	Tsac	Nm	304	304	400	400	636	636	910	910	1335	1335
Ripple Torque (Cogging Torque)	Tr	Nm	8,2	8,2	13,5	13,5	19,2	19,2	27,5	27,5	41	41
Power Loss at Twc	Pwc	KW	3,6	3,6	4,3	4,3	6,3	6,3	8	8	9,5	9,5
Power Loss at Tac	Pac	KW	0,82	0,82	0,82	0,82	1,1	1,1	1,2	1,2	1,8	1,8
Termal Resistance Water Cooling	RthWc	K/W	0,030	0,030	0,024	0,024	0,015	0,015	0,012	0,012	0,010	0,010
Termal Resistance Air Cooling	RthAc	K/W	0,130	0,130	0,110	0,110	0,085	0,085	0,064	0,064	0,050	0,050
Torque Constant	Kt	Nm/A	39,4	19,3	54,0	26,3	61,0	30,7	70,0	35,0	74,0	44,0
Back EMF Constant	Ke	V/1000 Rpm	2387	1167	3271	1591	3713	1856	4244	2122	4510	2652
Maximum Speed at Ipk at 600 Vdc	Npk	RPM	30	80	35	80	25	50	20	40	20	40
Maximum Speed at Iwc at 600 Vdc	Nwc	RPM	100	220	75	170	65	135	55	120	55	100
Maximum Speed at Iac at 600 Vdc	Nac	RPM	140	280	105	220	90	180	78	158	75	130
Winding Resistance (Phase to Phase)	R20	Ω	3,6	0,85	3,1	0,74	2,5	0,62	2,1	0,5	1,4	0,5
Winding Inductance (Phase to Phase)	L	mH	20,5	4,7	21,5	5,11	20	4,8	17,5	4,4	13,5	4,5
Peak Current	Ipk	Arms	56,5	120	56	134	80	160	101	205	138	240
Continuos Current (Water Cooling Dt100)	Iwc	Arms	21,6	43,8	26	52,3	34	68,5	42	87	57	95
Continuos Current (Air Cooling Dt100)	Iac	Arms	10,5	22,6	11,3	22	14,3	28,2	17,7	36,8	25	44,5
Stall Current at 0 Speed (Water Cooling)	Iswc	Arms	16,2	33,5	19,8	39,9	26	52,4	32,5	66,4	43	73
Stall Current at 0 Speed (Air Cooling)	Isac	Arms	8	17,2	8,6	16,7	10,8	21,5	14	28	19	34
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	695	695	695	695	695	695	695	695	695	695





TYPE	MK-CI-660	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
	Q	24	24	24	24	24
ROTOR HOLES	R	23	23	23	23	23
	T	24	24	24	24	24
HOLES PITCH ANGLE	a	15°	15°	15°	15°	15°



To: Poles with KEY, 44 mm Ø (S).
 Simulatore di I/O (U) or multi-meter
 with the appropriate rating