



**Three-phase motor with short circuit rotor**

**Pole number 2**

220 to 240 V/380 to 415 V 50 Hz  
380 to 415 V/660 to 690 V 50 Hz

Protection class IP 55  
Temperature class T1 to T4  
Thermal class F

Explosion protection  $\text{Ex}$  II 2G Ex db IIC T4 Gb or  $\text{Ex}$  II 2G Ex db e IIC T4 Gb  $\text{Ex}$  II 2D Ex tb IIIC T135°C Db

Type	4KT(B)C(D)											5KT(B)C(D)	4KT(B)C	
	63	71	80	90	100	112	132	160	180	200	225	250	280	315
SIQ 15 ATEX 084 X	●													
BVS 13 ATEX E 125 X		●	●	●	●	●	●	●	●	●	●			
BVS 16 ATEX E 129 X												●		
BVS 15 ATEX E 075 X													●	●

**Selection chart**

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Efficiency %	Power factor cos φ	Torque Nm	Starting torque (MA/MN)	Starting current (IA/IN)	Max. torque (MM/MN)	KR	Moment of inertia (kgm <sup>2</sup> )	Weight kg
4KTC 63 A-2	0.18	2750	0.52	64.4	0.77	0.63	3.0	3.9	2.9	16	0.00014	13
4KTC 63 B-2	0.25	2765	0.67	67.3	0.80	0.87	2.5	4.2	2.7	16	0.00019	14
4KTC 71 IE3 A-2	0.37	2855	0.93	75.2	0.77	1.24	3.18	5.8	3.46	16	0.00056	15
4KTC 71 IE3 B-2	0.55	2815	1.21	78.7	0.83	1.87	2.87	5.7	2.87	16	0.00064	16
4KTC 80 IE3 A-2	0.75	2845	1.59	81.1	0.84	2.51	2.96	6.8	3.32	16	0.00104	25
4KTC 80 IE3 B-2	1.1	2840	2.27	83.3	0.84	3.70	3.15	6.5	3.30	16	0.00122	26
4KTC 90 IE3 S-2	1.5	2875	2.96	85.1	0.86	4.98	2.92	7.3	3.44	16	0.00146	33.5
4KTC 90 IE3 L-2	2.2	2870	4.25	85.9	0.87	7.32	2.54	7.4	2.69	16	0.00223	39.5
4KTC 100 IE3 L-2	3.0	2915	5.85	87.1	0.85	9.87	2.79	8.1	2.79	16	0.00428	52
4KTC 112 IE3 M-2	4.0	2925	7.65	88.1	0.855	13.09	2.9	9.1	3.79	16	0.00655	65
4KTC 132 IE3 SA-2	5.5	2940	10.9	89.8	0.81	17.85	3.69	10.1	4.72	16	0.01656	84
4KTC 132 IE3 SB-2	7.5	2930	13.9	90.1	0.865	24.46	3.0	8.8	3.84	16	0.01992	95
4KTC 160 IE3 MA-2	11.0	2940	20.0	91.2	0.87	35.64	2.81	8.2	3.33	16	0.03495	148
4KTC 160 IE3 MB-2	15.0	2940	26.2	92.1	0.9	48.60	3.06	7.6	3.13	16	0.04514	166
4KTC 160 IE3 L-2	18.5	2940	31.8	92.7	0.905	60.10	3.18	8.5	3.15	16	0.05227	178
4KTC 180 IE3 M-2	22.0	2952	37.0	93.2	0.92	71.12	3.68	9.4	3.11	16	0.08335	244
4KTC 200 IE3 LA-2	30.0	2955	50.6	93.8	0.91	96.91	2.81	8.1	3.00	16	0.13757	310
4KTC 200 IE3 LB-2	37.0	2960	62.2	94.0	0.91	119.41	2.78	8.2	2.93	16	0.15739	350
4KTC 225 IE3 M-2	45.0	2970	78.4	94.1	0.88	144.70	3.19	9.0	3.26	16	0.24937	430
5KTC 250 M-2	55.0	2975	96.6	94.3	0.87	176.6	3.5	9.9	3.31	16	0.815	630
4KTC 280 S-2	75.0	2980	130.5	94.7	0.875	240.3	3.8	9.5	3.15	16	0.96	776
4KTC 280 M-2	90.0	2980	150.0	95.0	0.91	288.7	3.65	9.5	2.91	16	1.10	811
4KTC 315 S-2												
4KTC 315 MA-2												
4KTC 315 MB-2												
4KTC 315 L-2												

On request



**Three-phase motor with short-circuit rotor**

**Pole number 4**

220 to 240 V/380 to 415 V 50 Hz  
380 to 415 V/660 to 690 V 50 Hz

Protection class IP 55  
Temperature class T1 to T4  
Thermal class F

Explosion protection  $\text{Ex}$  II 2G Ex db IIC T4 Gb or  $\text{Ex}$  II 2G Ex db  
e IIC T4 Gb  $\text{Ex}$  II 2D Ex tb IIIC T135°C Db

Type	4KT(B)C(D)											5KT(B)C(D)	4KT(B)C	
	63	71	80	90	100	112	132	160	180	200	225	250	280	315
SIQ 15 ATEX 084 X	●													
BVS 13 ATEX E 125 X		●	●	●	●	●	●	●	●	●	●			
BVS 16 ATEX E 129 X												●		
BVS 15 ATEX E 075 X													●	●

**Selection chart**

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Efficiency %	Power factor cos φ	Torque Nm	Starting torque (MA/MN)	Starting current (IA/IN)	Max. torque (MM/MN)	KR	Moment of inertia (kgm <sup>2</sup> )	Weight kg
4KTC 63 A-4	0.12	1345	0.42	59.5	0.69	0.83	2.2	2.8	2.3	16	0.00021	13
4KTC 63 B-4	0.18	1370	0.61	64.8	0.65	1.25	2.5	3.2	2.5	16	0.00029	14
4KTC 71 IE3 A-4	0.25	1430	0.76	73.6	0.65	1.67	3.60	5.2	3.64	16	0.00089	16
4KTC 71 IE3 B-4	0.37	1445	0.97	78.5	0.70	2.45	3.20	5.8	3.3	16	0.00107	20
4KTC 80 IE3 A-4	0.55	1439	1.66	80.8	0.59	3.65	3.60	5.7	3.91	16	0.00179	26.5
4KTC 80 IE3 B-4	0.75	1420	1.95	82.6	0.67	5.04	3.09	5.4	3.35	16	0.00208	29
4KTC 90 IE3 S-4	1.1	1440	2.65	84.1	0.71	7.28	2.93	5.7	3.3	16	0.00351	38.5
4KTC 90 IE3 L-4	1.5	1440	3.62	85.3	0.70	9.94	2.95	7.0	3.75	16	0.00426	41
4KTC 100 IE3 LA-4	2.2	1445	4.65	86.7	0.79	14.54	2.43	6.1	3.0	16	0.00712	53
4KTC 100 IE3 LB-4	3.0	1445	6.33	87.7	0.78	19.81	3.16	7.5	3.88	16	0.00913	58
4KTC 112 IE3 M-4	4.0	1460	8.4	89.2	0.77	26.16	4.09	10.0	5.04	16	0.01578	78
4KTC 132 IE3 S-4	5.5	1460	11.1	90.3	0.79	36.0	3.0	7.1	3.7	16	0.02793	96
4KTC 132 IE3 M-4	7.5	1465	15.25	90.6	0.78	48.83	4.32	9.3	4.27	16	0.04416	124.5
4KTC 160 IE3 M-4	11.0	1474	22.45	91.8	0.77	71.26	4.05	9.0	3.73	16	0.07116	178
4KTC 160 IE3 L-4	15.0	1472	28.80	92.2	0.815	97.29	3.47	8.4	3.13	16	0.09691	200
4KTC 180 IE3 M-4	18.5	1475	36.7	92.7	0.785	119.82	4.07	8.6	3.58	16	0.14922	273
4KTC 180 IE3 L-4	22.0	1475	42.6	93.1	0.80	142.36	3.96	8.8	3.52	16	0.17663	293
4KTC 200 IE3 L-4	30.0	1475	53.0	93.8	0.87	193.9	4.06	9.8	3.71	16	0.27865	363
4KTC 225 IE3 S-4	37.0	1478	66.0	94.0	0.86	239.0	4.42	10.0	3.54	16	0.42845	430
4KTC 225 IE3 M-4	45.0	1480	81.0	94.2	0.85	290.4	4.04	8.9	2.91	16	0.48581	450
5KTC 250 M-4	55.0	1483	97.4	94.8	0.86	354	4.38	10.0	3.53	16	0.965	617
4KTC 280 S-4	75.0	1485	135.0	95.1	0.84	481.9	3.26	8.5	2.65	16	1.875	800
4KTC 280 M-4	90.0	1485	160.5	95.2	0.85	578.1	3.09	7.9	2.34	16	2.25	850
4KTC 315 S-4												
4KTC 315 MA-4												
4KTC 315 MB-4												
4KTC 315 L-4												

On request



**Three-phase motor with short-circuit rotor**

**Pole number 6**

220 to 240 V/380 to 415 V 50 Hz  
380 to 415 V/660 to 690 V 50 Hz

Protection class IP 55  
Temperature class T1 to T4  
Thermal class F

Explosion protection  $\text{Ex}$  II 2G Ex db IIC T4 Gb or  $\text{Ex}$  II 2G Ex db  
e IIC T4 Gb  $\text{Ex}$  II 2D Ex tb IIIC T135°C Db

Type	4KT(B)C(D)											5KT(B)C(D)	4KT(B)C	
	63	71	80	90	100	112	132	160	180	200	225	250	280	315
SIQ 15 ATEX 084 X	●													
BVS 13 ATEX E 125 X		●	●	●	●	●	●	●	●	●	●			
BVS 16 ATEX E 129 X												●		
BVS 15 ATEX E 075 X													●	●

**Selection chart**

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Efficiency %	Power factor cos φ	Torque Nm	Starting torque (MA/MN)	Starting current (IA/IN)	Max. torque (MM/MN)	KR	Moment of inertia (kgm <sup>2</sup> )	Weight kg
4KTC 63 A-6	0.09	895	0.43	51.0	0.61	0.96	2.2	2.3	2.3	16	0.00031	13
4KTC 63 B-6	0.12	900	0.52	55.0	0.60	1.27	2.5	2.5	2.5	16	0.00042	14
4KTC 71 IE3 A-6	0.18	945	0.75	63.9	0.54	1.82	2.99	3.6	3.35	16	0.00101	16
4KTC 71 IE3 B-6	0.25	924	0.77	69	0.68	2.58	2.12	3.6	2.38	16	0.00117	20
4KTC 80 IE3 A-6	0.37	950	1.13	73.8	0.64	3.72	2.79	4.5	3.01	16	0.00239	26.5
4KTC 80 IE3 B-6	0.55	950	1.62	77.2	0.634	5.53	2.75	5	3	16	0.00319	30
4KTC 90 IE3 S-6	0.75	955	2.2	78.9	0.63	5.1	2.78	5.1	3.17	16	0.00419	35
4KTC 90 IE3 L-6	1.1	950	3.1	81	0.635	11	2.73	5.3	3.56	16	0.00587	40
4KTC 100 IE3 L-6	1.5	960	3.92	82.5	0.67	14.95	3.17	6.0	3.46	16	0.01196	52
4KTC 112 IE3 M-6	2.2	955	5.15	84.3	0.73	22.0	2.81	6.1	3.07	16	0.01864	67
4KTC 132 IE3 S-6	3.0	973	7.05	87.0	0.705	29.45	2.9	7.2	3.54	16	0.03229	91
4KTC 132 IE3 MA-6	4.0	975	9.8	87.1	0.68	39.24	3.71	8.2	4.28	16	0.03838	95
4KTC 132 IE3 MB-6	5.5	972	12.85	88.0	0.70	54.0	3.16	7.7	3.92	16	0.05297	112
4KTC 160 IE3 M-6	7.5	970	14.6	89.8	0.83	73.7	2.56	6.7	3.2	16	0.10916	182
4KTC 160 IE3 L-6	11	975	22	90.3	0.8	107.7	2.78	8.4	3.6	16	0.13099	185
4KTC 180 IE3 L-6	15	980	30	92	0.785	146.2	2.78	8.9	4.21	16	0.29321	283
4KTC 200 IE3 LA-6	18.5	985	37.6	92.2	0.77	179.4	3.09	10.0	4.34	16	0.27888	339
4KTC 200 IE3 LB-6	22	984	43.5	92.4	0.79	213.5	3.02	10.3	4.44	16	0.33676	361
4KTC 225 IE3 M-6	30	986	60.5	92.9	0.77	290.5	4.39	8.5	3.44	16	0.72957	461
5KTC 250 M-6	37	985	74.3	93.3	0.77	358.7	3.1	8.6	2.9	16	1.24	620
4KTC 280 S-6	45	985	87.7	93.7	0.79	436.3	3.3	8.7	3.4	16	2.76	790
4KTC 280 M-6	55	985	105.4	94.1	0.8	533.2	3.4	8.9	3.5	16	2.864	860
4KTC 315 S-6												
4KTC 315 MA-6												
4KTC 315 MB-6												
4KTC 315 L-6												

On request



**Three-phase motor with short-circuit rotor**

**Pole number 8**

220 to 240 V/380 to 415 V 50 Hz  
380 to 415 V/660 to 690 V 50 Hz

Protection class IP 55  
Temperature class T1 to T4  
Thermal class F

Explosion protection  $\text{Ex}$  II 2G Ex db IIC T4 Gb or  $\text{Ex}$  II 2G Ex db  
e IIC T4 Gb  $\text{Ex}$  II 2D Ex tb IIIC T135°C Db

Type	4KT(B)C(D)											5KT(B)C(D)	4KT(B)C	
	63	71	80	90	100	112	132	160	180	200	225	250	280	315
SIQ 15 ATEX 084 X	●													
BVS 13 ATEX E 125 X		●	●	●	●	●	●	●	●	●	●			
BVS 16 ATEX E 129 X												●		
BVS 15 ATEX E 075 X													●	●

**Selection chart**

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Efficiency %	Power factor cos φ	Torque Nm	Starting torque (MA/MN)	Starting current (IA/IN)	Max. torque (MM/MN)	KR	Moment of inertia (kgm <sup>2</sup> )	Weight kg
4KTC 63 B-8	0.06	1345	0.42	59.5	0.69	0.83	2.2	2.8	2.3	16	0.00021	13
4KTC 71 IE3 A-8	0.09	680	0.67	38.0	0.51	1.26	2.0	2.0	2.1	16	0.00081	15
4KTC 71 IE3 B-8	0.12	680	0.48	58.4	0.62	1.68	1.69	2.5	1.9	16	0.00101	16
4KTC 80 IE3 A-8	0.18	700	0.71	62.3	0.59	2.45	1.95	2.8	2.27	16	0.00191	25
4KTC 80 IE3 B-8	0.25	680	0.92	58.0	0.68	3.52	2.1	3.1	2.3	16	0.00239	26.5
4KTC 90 IE3 S-8	0.37	710	1.55	69.3	0.495	4.96	2.85	3.5	3.16	16	0.00419	35
4KTC 90 IE3 L-8	0.55	685	1.75	69.0	0.66	7.7	1.75	3.1	2.1	16	0.00419	35
4KTC 100 IE3 LA-8	0.75	715	2.55	75.3	0.56	10.0	2.54	4.4	3.09	16	0.00857	46
4KTC 100 IE3 LB-8	1.1	695	3.25	70.0	0.7	15.0	1.9	3.8	2.2	16	0.00857	46
4KTC 112 IE3 M-8	1.5	710	4.15	78.0	0.67	20.2	2.0	4.3	2.5	16	0.0158	60
4KTC 132 IE3 S-8	2.2	710	5.5	79.0	0.74	29.6	1.9	4.3	2.2	16	0.02606	79
4KTC 132 IE3 M-8	3.0	710	7.2	80.0	0.76	40.4	2.1	4.8	2.3	16	0.03446	85
4KTC 160 IE3MA-8	4.0	725	9.0	87.9	0.73	52.7	2.06	5.7	2.64	16	0.0688	146
4KTC 160 IE3MB-8	5.5	715	13.4	84.0	0.71	73.6	1.8	4.8	2.1	16	0.08939	160
4KTC 160 IE3 L-8	7.5	725	16.6	88.5	0.765	98.6	2.13	6.2	2.69	16	0.12027	182
4KTC 180 IE3 L-8	11.1	720	22.5	88.7	0.8	145.6	1.89	5.6	2.48	16	0.227	236
4KTC 200 IE3 L-8	15.0	720	29.0	91.0	0.82	196.0	2.1	4.5	2.5	16	0.37827	250
4KTC 225 IE3 S-8	18.5	710	37.0	91.0	0.79	249.0	2.1	4.6	2.6	16	0.57008	310
4KTC 225 IE3 M-8	22.0	733	45.5	91.7	0.76	286.7	2.5	7.5	3.44	16	0.67806	448
5KTC 250 IE3 M-8	30.0	730	59.0	92.8	0.79	398.0	1.7	5.4	2.4	16	1.175	480
4KTC 280 IE3 S-8	37.0	730	74.0	93.0	0.78	485.0	1.9	6.0	2.3	16	2.3	610
4KTC 280 IE3 M-8	45.0	735	90.0	93.5	0.78	586.0	1.9	6.4	2.7	16	2.625	685
4KTC 315 S-4												
4KTC 315 MA-4												
4KTC 315 MB-4												
4KTC 315 L-4												

On request