

**ELECTRIC MOTORS**





**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 (A/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 A-2	0.37	2820	0.98	67.2	0.81	1.25	3	5.4	3.2	16	0.00034	15
4KTC 71 B-2	0.55	2800	1.28	72.7	0.86	1.88	2.8	5.4	3.1	16	0.00042	16
4KTC 80 A-2	0.75	2810	1.61	77.5	0.87	2.55	2.6	4.9	2.8	16	0.00063	24
4KTC 80 B-2	1.1	2775	2.29	78.8	0.88	3.78	2.8	5.1	2.9	16	0.00079	26
4KTC 90 S-2	1.5	2855	3.07	81.6	0.86	5.0	2.8	6.1	3.1	16	0.00124	32
4KTC 90 L-2	2.2	2845	4.4	80.8	0.89	7.4	2.7	5.9	2.7	16	0.00155	34
4KTC 100 L-2	3.0	2875	6.4	79.5	0.85	10.0	3.0	5.7	3.3	16	0.00251	42.5
4KTC 112 M-2	4.0	2880	7.8	84.0	0.88	13.3	2.7	6.9	3.1	16	0.00451	58
4KTC 132 SA-2	5.5	2910	10.4	87.0	0.88	18.1	2.6	6.3	3.0	16	0.00967	77
4KTC 132 SB-2	7.5	2920	14.1	87.7	0.88	24.5	3.0	6.9	3.3	16	0.01225	84
4KTC 160 MA-2	11.0	2940	20.6	89.4	0.86	35.8	3.8	7.9	3.3	16	0.02943	148
4KTC 160 MB-2	15.0	2940	26.5	90.6	0.9	48.7	3.4	7.9	3.0	16	0.03912	166
4KTC 160 L-2	18.5	2945	32.2	91.6	0.91	60.0	3.1	7.4	3.1	16	0.0459	178
4KTC 180 M-2	22.0	2940	41.3	84.2	0.91	71.5	2.8	6.9	2.9	16	0.06151	205
4KTC 200 LA-2	30.0	2955	54.4	88.5	0.9	97.0	2.4	6.9	2.6	16	0.10442	240
4KTC 200 LB-2	37.0	2970	66.5	88.6	0.91	119.1	3.3	9.0	3.0	16	0.12739	250
4KTC 225 M-2	45.0	2970	82.0	89.6	0.88	145.0	2.5	7.6	3.4	16	0.22155	375
5KTC 250 M-2	55.0	2970	98.0	89.3	0.91	177.0	2.1	6.6	2.2	16	0.675	485
4KTC 280 S-2	75.0	2980	136.0	90.8	0.88	241.0	3.0	8.3	2.7	16	0.95	650
4KTC 280 M-2	90.0	2980	158.0	91.5	0.9	289.0	3.0	8.1	2.6	16	1.1	700
4KTC 315 S-2	110.0	2970	186.0	91.5	0.94	353.0	2.5	7.2	3.1	13	1.55	820
4KTC 315 MA-2	132.0	2985	223.0	92.1	0.93	425.0	2.8	7.5	2.8	13	1.8	930
4KTC 315 MB-2	160.0	2975	272.4	90.1	0.94	515	2.9	8.1	3.1	13	2.2	1240
4KTC 315 L-2	200.0	2980	345.0	93.0	0.90	640	2.3	6.9	2.6	13	2.8	1380

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**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 A-4	0.25	1370	0.69	67.0	0.78	1.74	2.15	3.8	2.2	16	0.00051	15
4KTC 71 B-4	0.37	1385	0.95	72.5	0.78	2.55	2.15	4.0	2.3	16	0.00063	16
4KTC 80 A-4	0.55	1405	1.3	80.4	0.76	3.73	2.7	5.2	2.9	16	0.00098	24
4KTC 80 B-4	0.75	1380	1.65	80.8	0.82	5.19	2.1	4.6	2.4	16	0.00125	26
4KTC 90 S-4	1.1	1410	2.4	80.9	0.82	7.5	2.15	4.8	2.5	16	0.00204	32
4KTC 90 L-4	1.5	1415	3.35	80.6	0.8	10.1	2.5	5.2	2.8	16	0.0026	35
4KTC 100 LA-4	2.2	1410	4.7	81.5	0.82	14.9	2.0	4.6	2.5	16	0.00388	42.5
4KTC 100 LB-4	3.0	1415	6.5	79.6	0.83	20.2	2.1	5.0	2.6	16	0.00499	46
4KTC 112 M-4	4.0	1435	8.3	85.4	0.81	26.6	2.8	6.1	3.1	16	0.01014	60
4KTC 132 S-4	5.5	1435	10.8	86.0	0.85	36.6	2.2	5.1	2.4	16	0.02113	84
4KTC 132 M-4	7.5	1445	14.5	88.9	0.84	49.5	2.5	6.0	2.8	16	0.02793	93.5
4KTC 160 M-4	11.0	1460	22.0	87.1	0.83	71.8	2.9	6.9	3.1	16	0.05417	159
4KTC 160 L-4	15.0	1465	29.0	90.8	0.83	97.8	3.1	7.4	3.0	16	0.07116	178
4KTC 180 M-4	18.5	1465	35.0	89.9	0.86	120.6	3.1	6.9	2.5	16	0.1129	215
4KTC 180 L-4	22.0	1470	40.5	90.9	0.86	143.2	3.1	7.1	2.6	16	0.1339	236
4KTC 200 L-4	30.0	1470	53.4	89.6	0.91	195.1	2.7	6.8	2.8	16	0.21298	250
4KTC 225 S-4	37.0	1475	66.6	92.2	0.87	239.7	2.9	7.0	2.4	16	0.36225	310
4KTC 225 M-4	45.0	1475	80.5	92.5	0.87	291.0	3.3	7.3	2.7	16	0.42845	390
5KTC 250 M-4	55.0	1480	98.0	92.5	0.89	355.0	3.4	7.7	2.7	16	0.875	480
4KTC 280 S-4	75.0	1485	138.0	92.2	0.84	482.0	3.0	7.6	2.4	16	1.875	610
4KTC 280 M-4	90.0	1490	166.0	93.5	0.84	578.0	2.8	7.8	2.6	16	2.25	685
4KTC 315 S-4	110.0	1485	207.0	90.7	0.84	706.0	2.6	6.3	2.5	16	3.5	820
4KTC 315 MA-4	132.0	1485	235.0	92.2	0.88	851.0	3.0	6.9	2.5	16	3.875	930
4KTC 315 MB-4	160.0	1490	298.0	92.5	0.84	1027.0	1.9	5.8	2.1	16	5.0	1240
4KTC 315 L-4	200.0	1485	351.5	93.0	0.88	1285.0	1.5	6.8	1.6	16	6.1	1380



**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 A-6	0.18	930	0.67	60.0	0.65	1.86	2.1	3.1	2.3	16	0.00081	15
4KTC 71 B-6	0.25	940	0.85	64.0	0.67	2.56	2.2	3.7	2.5	16	0.00101	16
4KTC 80 A-6	0.37	925	1.1	67.0	0.72	3.83	2.3	3.6	2.5	16	0.00191	25
4KTC 80 B-6	0.55	915	1.5	72.0	0.74	5.7	2.35	4.1	2.5	16	0.00239	26.5
4KTC 90 S-6	0.75	915	2.1	70.0	0.74	7.8	1.8	3.7	2.1	16	0.00323	32
4KTC 90 L-6	1.1	915	3.0	73.0	0.73	11.5	2.1	4.1	2.3	16	0.00419	35
4KTC 100 L-6	1.5	930	3.7	76.0	0.77	15.4	2.2	4.7	2.3	16	0.00657	46
4KTC 112 M-6	2.2	960	5.0	82.0	0.78	21.9	2.6	6.1	2.7	16	0.0158	60
4KTC 132 S-6	3.0	975	6.6	83.5	0.79	29.4	2.3	6.3	2.5	16	0.02722	84
4KTC 132 MA-6	4.0	960	8.8	83.0	0.8	39.9	2.4	6.3	2.9	16	0.03229	88
4KTC 132 MB-6	5.5	955	11.8	83.5	0.81	55.1	2.3	6.1	2.9	16	0.03838	95
4KTC 160 M-6	7.5	970	15.8	86.0	0.8	74.2	2.7	6.7	2.4	16	0.08121	161
4KTC 160 L-6	11.0	965	23.5	88.5	0.77	109.0	2.2	6.0	2.3	16	0.10916	182
4KTC 180 L-6	15.0	965	31.0	89.5	0.78	148.0	1.9	5.2	2.3	16	0.227	236
4KTC 200 LA-6	18.5	965	36.0	91.0	0.81	183.0	1.9	6.0	2.4	16	0.24369	240
4KTC 200 LB-6	22.0	965	43.0	91.5	0.81	218.6	1.9	6.0	2.4	16	0.27888	250
4KTC 225 M-6	30.0	975	56.0	92.5	0.83	293.0	1.8	5.8	2.5	16	0.66117	390
5KTC 250 M-6	37.0	985	69.0	93.5	0.83	359.0	2.8	6.0	2.6	16	1.125	480
4KTC 280 S-6	45.0	985	82.0	94.5	0.84	437.0	2.5	6.3	2.7	16	2.3	610
4KTC 280 M-6	55.0	985	101.0	94.5	0.84	534.0	2.4	6.0	2.8	16	2.625	685
4KTC 315 S-6	75.0	980	140.0	95.0	0.82	732.0	2.5	5.9	2.8	16	4.625	820
4KTC 315 MA-6	90.0	985	163.0	95.5	0.84	874.0	2.1	5.1	2.9	16	5.25	930
4KTC 315 MB-6	110.0	990	198.0	91.5	0.88	1060.0	2.5	6.5	2.4	16	6.0	1240
4KTC 315 L-6	132.0	990	238.0	90.5	0.88	1275.0	2.6	6.8	2.4	16	7.3	1380

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**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 II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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	600	0.39	31.0	0.73	0.80	1.4	1.7	1.4	16	0.0002	14
4KTC 71 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 B-8	0.12	655	0.54	45.0	0.71	1.75	1.8	2.4	2.1	16	0.00101	16
4KTC 80 A-8	0.18	680	0.66	61.0	0.65	2.53	2.1	2.9	2.2	16	0.00191	25
4KTC 80 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 S-8	0.37	685	1.25	66.0	0.65	5.2	1.7	3.0	2.0	16	0.00323	32
4KTC 90 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 LA-8	0.75	690	2.3	69.0	0.69	10.4	1.8	3.5	2.1	16	0.00657	42.5
4KTC 100 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 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 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 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 MA-8	4.0	720	10.0	82.6	0.71	53.1	1.8	4.8	2.3	16	0.0688	146
4KTC 160 MB-8	5.5	715	13.4	84.0	0.71	73.6	1.8	4.8	2.1	16	0.08939	160
4KTC 160 L-8	7.5	725	16.7	86.5	0.75	98.8	2.3	5.8	2.1	16	0.12027	182
4KTC 180 L-8	11.0	715	25.0	86.7	0.74	147.0	1.8	4.2	2.5	16	0.227	236
4KTC 200 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 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 M-8	22.0	715	45.0	91.5	0.77	294.0	2.1	4.6	2.6	16	0.67806	390
5KTC 250 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 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 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-8	55.0	735	104.0	94.5	0.81	716.0	2.2	6.2	2.3	16	4.625	820
4KTC 315 MA-8	75.0	740	140.0	94.5	0.82	969.0	1.8	6.3	2.1	16	5.25	930
4KTC 315 MB-8	90.0	740	173.0	91.1	0.83	1160.0	2.5	6.7	2.5	16	6.0	1240
4KTC 315 L-8	110.0	740	213.0	90.0	0.83	1420.0	2.6	6.9	2.5	16	7.3	1380



Three-phase motor with short-circuit rotor

Pole number 2

440 to 480 V 60 Hz

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

Explosion protection II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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 440 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 71 A-2	0.45	3300	1.16	74	0.88	1.3	2.4	3.7	2.7	16	0.00034	15
4KTC 71 B-2	0.66	3350	1.38	76	0.84	1.88	2.4	4.8	2.6	16	0.00042	16
4KTC 80 A-2	0.9	3380	1.55	86	0.88	2.55	2.4	5.6	2.5	16	0.00063	24
4KTC 80 B-2	1.3	3385	2.37	80.7	0.89	3.67	2.6	5.1	2.5	16	0.00079	26
4KTC 90 S-2	1.8	3435	3.45	76	0.85	5.0	2.1	5.7	2.4	16	0.00124	32
4KTC 90 L-2	2.6	3435	4.65	84	0.87	7.2	2.9	5.2	2.3	16	0.00155	34
4KTC 100 L-2	3.6	3390	6.5	85	0.86	10.2	2.0	6.2	2.4	16	0.00251	42.5
4KTC 112 M-2	4.8	3455	8.6	85	0.89	13.3	2.1	6.5	2.5	16	0.00451	58
4KTC 132 SA-2	6.6	3460	11.8	87	0.90	18.2	2.2	5.8	2.3	16	0.00969	77
4KTC 132 SB-2	9.0	3510	15.1	87	0.90	24.5	2.7	6.9	2.9	16	0.01225	84
4KTC 160 MA-2	13.0	3525	22.2	86	0.89	35.2	3.0	6.7	2.9	16	0.02943	148
4KTC 160 MB-2	18.0	3490	32.5	79	0.92	49.2	2.9	6.3	2.5	16	0.03912	166
4KTC 160 L-2	21.0	3520	32.5	93	0.92	57.0	2.7	6.8	2.8	16	0.0459	178
4KTC 180 M-2	24.0	3520	41.4	84	0.91	65.0	2.3	6.3	2.6	16	0.06151	205
4KTC 200 LA-2	34.0	3550	59.0	86	0.85	91.5	1.9	6.4	2.3	16	0.10442	240
4KTC 200 LB-2	42.0	3550	70.0	87	0.90	113.0	2.7	8.0	2.7	16	0.12739	250
4KTC 225 M-2	52.0	3520	88.0	86	0.90	141.0	2.0	6.5	2.7	16	0.22155	375
5KTC 250 M-2	64.0	3560	104.5	93	0.89	172.0	1.8	6.1	2.1	16	0.675	485
4KTC 280 S-2	82.0	3570	133.0	90	0.90	219.0	2.5	7.7	2.1	16	0.96	650
4KTC 280 M-2	100.0	3570	162.0	90	0.90	270.0	2.4	7.3	2.0	16	1.1	700
4KTC 315 S-2	120.0	3570	183.0	92	0.94	321.0	2.1	6.7	2.6	13	1.55	820
4KTC 315 MA-2	132.0	3580	219.0	89	0.89	357.0	1.5	5.6	1.6	13	1.8	930
4KTC 315 MB-2	160.0	3570	251.0	89	0.94	428.0	2.4	8.0	2.6	13	2.25	1240
4KTC 315 L-2	200.0	3575	320.0	91	0.90	535.0	2.1	7.4	2.3	13	2.8	1380

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Three-phase motor with short-circuit rotor

**Pole number 4**

440 to 480 V 60 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 440 V A	Efficiency %	Power factor cos φ	Torque Nm	Starting torque (MA/MN)	Starting current (A/IN)	Max. torque (MM/MN)	KR	Moment of inertia (kgm <sup>2</sup> )	Weight kg
4KTC 71 A-4	0.30	1640	0.80	60	0.78	1.75	1.8	3.0	1.9	16	0.00051	15
4KTC 71 B-4	0.45	1650	1.01	71	0.82	2.60	2.1	4.1	2.0	16	0.00063	16
4KTC 80 A-4	0.66	1640	1.52	75	0.83	3.84	1.9	4.1	2.0	16	0.00098	24
4KTC 80 B-4	0.90	1670	1.87	75	0.82	5.10	2.2	4.2	2.3	16	0.00125	26
4KTC 90 S-4	1.3	1675	2.47	82	0.85	7.40	1.9	5.2	2.1	16	0.00204	32
4KTC 90 L-4	1.8	1680	3.40	82	0.85	10.2	2.3	5.8	2.3	16	0.0026	35
4KTC 100 LA-4	2.6	1675	5.1	74	0.85	14.8	1.7	4.2	1.7	16	0.00388	42.5
4KTC 100 LB-4	3.6	1680	6.8	80	0.86	20.5	1.8	4.7	2.2	16	0.00499	46
4KTC 112 M-4	4.8	1730	8.6	87	0.85	26.5	2.3	6.1	2.8	16	0.01014	60
4KTC 132 S-4	6.6	1700	12.3	87	0.87	37.0	1.9	4.8	1.9	16	0.02113	84
4KTC 132 M-4	9.0	1730	15.6	88	0.86	49.6	2.3	4.6	2.3	16	0.02793	93.5
4KTC 160 M-4	13.0	1730	23.4	88	0.86	71.8	2.3	5.0	2.4	16	0.05417	159
4KTC 160 L-4	17.5	1755	29.3	88	0.86	94.2	2.3	6.3	2.5	16	0.07116	178
4KTC 180 M-4	21.0	1740	36.3	88	0.87	115.0	2.8	5.8	2.2	16	0.1129	215
4KTC 180 L-4	26.0	1770	42.7	91	0.85	140.0	2.7	6.5	2.2	16	0.1339	236
4KTC 200 L-4	34.0	1760	54.0	92	0.92	185.0	2.4	6.0	2.5	16	0.21298	250
4KTC 225 S-4	44.0	1770	71.8	91	0.88	237.0	2.1	5.8	1.9	16	0.36225	310
4KTC 225 M-4	52.0	1775	84.4	93	0.87	280.0	2.4	5.9	2.2	16	0.42845	390
5KTC 250 M-4	64.0	1770	104.0	90	0.9	345.0	3.0	7.6	2.2	16	0.875	480
4KTC 280 S-4	87.0	1780	144.0	91	0.86	467.0	2.3	5.5	1.8	16	1.875	610
4KTC 280 M-4	90.0	1790	148.0	93	0.85	481.0	2.5	8.6	2.3	16	2.25	685
4KTC 315 S-4	110.0	1790	186.0	89	0.87	588.0	2.4	6.7	2.1	16	3.9	820
4KTC 315 MA-4	132.0	1790	214.0	92	0.89	714.0	2.7	6.4	2.3	16	3.875	930
4KTC 315 MB-4	170.0	1795	288.0	92	0.85	905.0	1.5	5.5	1.6	16	5.0	1240
4KTC 315 L-4	200.0	1785	324.0	93	0.87	1071.0	1.6	6.8	1.8	16	6.1	1380



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

**Pole number 6**

440 to 480 V 60 Hz

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

Explosion protection II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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 440 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 71 A-6	0.18	1115	0.67	60	0.65	1.55	2.1	3.1	2.3	16	0.00081	15
4KTC 71 B-6	0.25	1100	0.76	62	0.7	2.18	2.4	2.9	2.5	16	0.00101	16
4KTC 80 A-6	0.37	1100	1.06	62	0.74	3.23	2.1	3.5	2.5	16	0.00191	25
4KTC 80 B-6	0.55	1100	1.36	71	0.74	4.8	2.4	4.2	2.4	16	0.00239	26.5
4KTC 90 S-6	0.75	1090	1.94	69	0.72	6.6	1.8	3.6	2.0	16	0.0323	32
4KTC 90 L-6	1.1	1105	2.73	76	0.71	9.5	1.8	3.9	2.1	16	0.00419	35
4KTC 100 L-6	1.5	1110	3.35	76	0.76	12.8	2.2	4.8	2.2	16	0.00657	46
4KTC 112 M-6	2.2	1180	4.5	84	0.71	18	2.6	6.3	2.7	16	0.0158	60
4KTC 132 S-6	3.0	1170	6.0	82	0.79	24	2.3	6.4	2.5	16	0.02722	84
4KTC 132 MA-6	4.0	1150	8.1	80	0.8	33	2.4	6.2	2.9	16	0.03229	88
4KTC 132 MB-6	5.5	1150	10.8	81	0.82	45	2.3	6.2	3.0	16	0.03838	95
4KTC 160 M-6	7.5	1170	14.4	84	0.81	61	2.8	6.7	2.4	16	0.08121	161
4KTC 160 L-6	11.0	1165	20.0	86	0.83	90	2.3	7.2	3.6	16	0.10916	182
4KTC 180 L-6	15.0	1175	27.6	89	0.8	121	2.5	7.6	3.7	16	0.227	236
4KTC 200 LA-6	18.5	1175	32.6	89	0.83	150	1.4	5.6	2.3	13	0.24369	240
4KTC 200 LB-6	22.0	1180	39.3	91	0.81	178	2.2	8.0	3.3	16	0.27888	250
4KTC 225 M-6	30.0	1180	53.5	91	0.81	244	2.4	6.5	1.9	16	0.66117	390
5KTC 250 M-6	37.0	1185	69.0	92	0.75	298	1.9	4.1	1.7	13	1.125	480
4KTC 280 S-6	52.0	1185	94.0	91	0.8	418	1.9	4.4	1.9	16	2.3	610
4KTC 280 M-6	66.0	1170	119.0	90	0.82	540	1.7	3.7	1.6	16	2.625	685
4KTC 315 S-6	75.0	1180	140.0	95	0.82	610	2.5	5.9	2.8	16	4.625	820
4KTC 315 MA-6	90.0	1180	163.0	95	0.84	728	2.1	5.1	2.9	16	5.25	930
4KTC 315 MB-6	110.0	1190	175.0	94	0.88	884	2.1	6.1	2.2	16	6.0	1240
4KTC 315 L-6	132.0	1190	210.0	94	0.88	1160	2.0	6.3	2.1	16	7.3	1380

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Three-phase motor with short-circuit rotor

Pole number 8

440 to 480 V 60 Hz

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

Explosion protection II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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 440 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 71 A-8	0.09	820	0.42	45	0.62	1	2.2	2.5	2.1	16	0.00081	15
4KTC 71 B-8	0.12	780	0.49	45	0.71	1.47	1.8	2.4	2.0	16	0.00101	16
4KTC 80 A-8	0.18	825	0.62	58	0.63	2.1	2.1	2.9	2.1	16	0.00191	25
4KTC 80 B-8	0.25	825	0.84	58	0.67	2.9	2.0	3.1	2.3	16	0.00239	26.5
4KTC 90 S-8	0.37	820	1.17	64	0.62	4.3	1.6	2.9	1.9	16	0.00323	32
4KTC 90 L-8	0.55	825	1.6	72	0.61	6.4	1.7	3.2	2.0	16	0.00419	35
4KTC 100 LA-8	0.75	825	2.14	67	0.66	8.7	1.6	3.5	1.9	16	0.00657	42.5
4KTC 100 LB-8	1.1	845	3.1	71	0.62	12.4	2.0	4.0	2.3	16	0.00857	46
4KTC 112 M-8	1.5	855	3.8	77	0.67	16.8	2.0	4.3	2.5	16	0.0158	60
4KTC 132 S-8	2.2	845	5.0	75	0.76	24.6	1.8	4.3	2.2	16	0.02606	79
4KTC 132 M-8	3.0	850	6.6	79	0.73	33	2.2	4.9	2.3	16	0.03446	85
4KTC 160 MA-8	4.0	865	8.5	81	0.76	44	1.9	5.3	2.3	16	0.0688	146
4KTC 160 MB-8	5.5	865	10.9	84	0.78	60	1.9	5.0	2.1	16	0.08939	160
4KTC 160 L-8	7.5	875	15.3	85	0.76	82	2.3	6.2	2.1	16	0.12027	182
4KTC 180 L-8	11.0	870	20.7	88	0.8	121	2.0	5.8	2.5	16	0.227	236
4KTC 200 L-8	15.0	880	27.7	91	0.78	163	2.4	7.4	3.7	16	0.37827	250
4KTC 225 S-8	18.5	885	35.0	91	0.76	200	2.4	7.6	3.2	16	0.57008	310
4KTC 225 M-8	22.0	885	42.0	90	0.77	239	2.2	6.9	3.1	16	0.67806	390
5KTC 250 M-8	30.0	875	59.0	92	0.79	332	1.7	5.4	2.4	16	1.175	480
4KTC 280 S-8	37.0	875	74.0	93	0.78	404	1.9	6.0	2.3	16	2.3	610
4KTC 280 M-8	45.0	880	90.0	93	0.78	488	1.9	6.4	2.7	16	2.625	689
4KTC 315 S-8	55.0	880	104.0	94	0.81	597	2.2	6.2	2.3	16	4.625	820
4KTC 315 MA-8	75.0	890	140.0	94	0.82	969	1.8	6.3	2.1	16	5.25	930
4KTC 315 MB-8	90.0	885	153.0	93	0.83	973	1.9	6.4	2.0	16	6.0	1240
4KTC 315 L-8	110.0	885	189.0	93	0.82	1189	1.8	6.3	1.9	16	7.3	1380



Three-phase motor with short-circuit rotor

Pole number 4/2

D/YY 380 to 415 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	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 A-4/2	0.21 0.28	1380 2800	0.75 0.9	3.6 3.9	2.1 2.1	16
4KTC 71 B-4/2	0.3 0.43	1380 2800	1.05 1.25	3.8 4.0	2.1 2.0	17
4KTC 80 A-4/2	0.5 0.65	1370 2760	1.26 1.43	3.7 3.4	1.8 1.9	25
4KTC 80 B-4/2	0.7 0.85	1365 2810	1.75 1.85	4.1 5.5	2.0 2.4	28
4KTC 90 S-4/2	1.1 1.4	1415 2800	2.6 2.95	4.4 4.7	1.9 2.0	34
4KTC 90 L-4/2	1.5 1.9	1410 2850	3.3 3.9	4.9 5.3	2.1 2.3	36
4KTC 100 LA-4/2	1.8 2.4	1430 2860	4.16 5.25	4.8 5.0	2.0 1.9	45
4KTC 100 LB-4/2	2.6 3.2	1420 2870	5.65 6.6	5.85 6.6	2.1 2.3	49
4KTC 112 M-4/2	3.7 4.4	1460 2890	8.4 8.5	6.6 7.4	2.8 2.9	64
4KTC 132 S-4/2	5.0 6.0	1460 2900	11.5 11.9	6.2 6.4	2.7 2.8	89
4KTC 132 M-4/2	6.1 7.5	1450 2910	13.8 15.4	6.7 6.9	2.5 2.3	99
4KTC 160 M-4/2	9.0 10.5	1465 2930	19.5 22.0	6.5 7.5	2.3 2.2	169

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 160 L-4/2	12 15	1470 2940	27.5 31	7.2 7.5	2.8 2.7	189
4KTC 180 M-4/2	14 17	1470 2940	29 33	6.8 7.5	2.5 2.5	220
4KTC 180 L-4/2	17 20	1475 2950	35 39	6.9 7.5	2.5 2.5	240
4KTC 200 L-4/2	20 23	1475 2950	41 46	7.0 7.5	2.5 2.5	260
4KTC 225 S-4/2	24 28	1480 2955	46 59	7.0 7.5	2.5 2.5	320
4KTC 225 M-4/2	29 34	1485 2960	62 66	7.2 7.6	2.5 2.6	400
5KTC 250 M-4/2	36 45	1485 1960	77 87	7.1 7.5	2.4 2.5	490
4KTC 280 S-4/2	46 58	1480 2970	85 95	6.8 7.0	2.0 2.0	610
4KTC 280 M-4/2	65 80	1480 2970	128 142	6.6 6.8	1.8 1.8	685
4KTC 315 S-4/2	78 90	1485 2970	154 176	6.5 6.0	1.8 1.7	820
4KTC 315 MA-4/2	90 100	1485 2970	156 190	6.5 6.2	1.8 1.7	930
4KTC 315 MB-4/2	100 120	1485 2970	208 230	6.2 6.0	1.8 1.6	1240

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Three-phase motor with short-circuit rotor

Pole number 8/4

D/YY 380 to 415 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	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 A-8/4	0.048 0.22	620 1370	0.32	2.1 3.8	1.6 1.8	16
4KTC 71 B-8/4	0.07 0.32	620 1370	0.47 0.82	2.1 3.8	1.6 1.8	17
4KTC 80 A-8/4	0.2 0.3	690 1380	0.83 0.79	2.8 3.9	2.0 2.2	25
4KTC 80 B-8/4	0.27 0.4	690 1400	1.08 0.96	2.9 4.5	2.1 2.2	28
4KTC 90 S-8/4	0.42 0.8	705 1390	1.9 1.9	2.8 3.9	2.0 1.8	34
4KTC 90 L-8/4	0.5 1.0	710 1410	2.3 2.25	3.1 4.3	2.1 1.9	36
4KTC 100 LA-8/4	0.9 1.3	690 1380	3.05 3.0	3.2 4.2	2.1 2.1	45
4KTC 100 LB-8/4	1.0 1.6	720 1430	3.2 3.35	3.9 5.3	2.1 2.2	49
4KTC 112 M-8/4	1.5 2.5	710 1430	4.25 5.0	4.6 5.7	2.2 2.1	64
4KTC 132 S-8/4	2.3 3.6	720 1450	6.7 7.3	5.3 6.9	2.3 2.2	89
4KTC 132 M-8/4	3.0 5.0	720 1445	9.5 9.9	4.5 5.4	2.3 2.3	99
4KTC 160 MA-8/4	4.0 5.5	725 1460	10.5 10.8	5.2 7.0	1.8 1.8	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 160 MB-8/4	4.6 7.3	725 1460	12.8 14.6	4.6 7.0	1.8 1.9	165
4KTC 160 L-8/4	6.8 11	725 1460	21 23	4.8 7.0	1.8 2.0	197
4KTC 180 L-8/4	11 15	725 1460	29 30	4.6 7.0	1.7 2.0	240
4KTC 200 L-8/4	15 20	730 1465	33 44	5.3 6.8	1.5 1.8	260
4KTC 225 S-8/4	18 24	730 1465	42 50	5.3 6.8	1.6 1.8	320
4KTC 225 M-8/4	22 28	730 1465	50 55	5.0 7.0	1.5 2.0	400
5KTC 250 M-8/4	30 42	730 1465	67 80	4.5 6.5	1.5 2.0	490
4KTC 280 S-8/4	35 51	735 1470	80 96	4.6 6.5	1.6 1.6	610
4KTC 280 M-8/4	42 60	735 1470	88 105	5.0 6.3	1.5 1.5	685
4KTC 315 S-8/4	52 68	740 1475	109 130	5.0 6.4	1.6 1.5	820
4KTC 315 M-8/4	70 90	740 1475	147 173	5.8 6.5	1.7 1.5	930



Three-phase motor with short-circuit rotor

Pole number 6/4

Y/Y 380 to 415 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	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 A-6/4	0.15 0.2	920 1440	0.75 0.85	2.6 3.3	1.5 1.5	16
4KTC 71 B-6/4	0.21 0.3	920 1420	1.2 1.35	2.6 3.4	2.0 1.9	17
4KTC 80 A-6/4	0.22 0.32	930 1455	0.7 1.05	3.3 4.2	1.9 2.1	25
4KTC 80 B-6/4	0.26 0.4	940 1425	0.94 1.28	3.5 3.6	2.2 1.9	28
4KTC 90 S-6/4	0.45 0.66	945 1450	1.5 1.75	3.6 5.3	2.1 2.2	34
4KTC 90 L-6/4	0.6 0.9	960 1425	1.8 2.1	3.6 4.4	2.1 1.9	36
4KTC 100 LA-6/4	0.9 1.3	960 1420	2.4 3.0	4.0 4.5	1.8 1.9	45
4KTC 100 LB-6/4	1.1 1.7	960 1450	2.8 3.7	4.3 4.7	1.8 2.1	49
4KTC 112 M-6/4	1.5 2.4	970 1450	3.55 5.05	5.3 5.4	2.2 1.9	64
4KTC 132 S-6/4	2.2 3.0	965 1465	5.05 6.0	5.7 6.1	1.9 2.1	89
4KTC 132 M-6/4	3.0 4.5	975 1460	6.7 8.9	6.5 6.3	2.2 1.9	99
4KTC 160 M-6/4	3.8 5.7	965 1465	9.0 13.0	6.0 6.5	2.0 1.8	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 160 L-6/4	5.5 8	980 1480	13.3 16.8	7.0 7.0	2.1 2.0	197
4KTC 180 M-6/4	7.5 11	980 1470	16.6 22	6.3 6.5	2.0 1.6	220
4KTC 180 L-6/4	9 13	980 1470	20 26	6.5 7.0	2.0 1.5	240
4KTC 200 L-6/4	13 19	980 1470	31 39	6.8 7.2	2.1 2.2	260
4KTC 225 S-6/4	19 23	980 1470	40 48	6.0 6.3	2.0 2.2	320
4KTC 225 M-6/4	23 27	980 1470	48 56	6.0 6.5	2.1 2.0	400
5KTC 250 M-6/4	27 32	980 1470	53 65	6.0 6.5	2.1 2.2	490
4KTC 280 S-6/4	32 45	985 1475	63 89	6.5 7.0	2.3 2.7	610
4KTC 280 M-6/4	37 55	985 1475	72 108	6.5 7.0	2.3 2.7	685
4KTC 315 S-6/4	45 67	985 1485	88 130	6.8 7.2	2.1 2.3	820
4KTC 315 M-6/4	55 80	985 1485	108 155	6.8 7.2	2.1 2.3	930

1



Three-phase motor with short-circuit rotor

Pole number 8/6

Y/Y 380 to 415 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	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 90 S-8/6	0.35	695	1.35	2.7	1.7	34
	0.45	960	1.5	3.3	1.8	
4KTC 90 L-8/6	0.45	695	1.68	2.7	1.8	36
	0.6	960	2.07	3.5	2.0	
4KTC 100 LA-8/6	0.6	715	2.05	2.9	1.6	45
	0.8	970	2.15	4.1	1.8	
4KTC 100 LB-8/6	0.75	710	2.4	3.1	1.6	49
	0.9	970	2.5	4.7	2.0	
4KTC 112 M-8/6	0.9	720	2.8	4.2	2.2	64
	1.2	970	3.0	5.1	2.4	
4KTC 132 S-8/6	1.5	725	5.05	4.8	2.5	89
	2.0	975	5.5	6.2	2.4	
4KTC 132 M-8/6	2.2	725	6.8	3.9	2.1	99
	3.0	975	8.1	5.3	2.2	
4KTC 160 M-8/6	3.5	725	8.8	5.5	2.3	155
	5.0	975	12.0	6.4	2.1	
4KTC 160 L-8/6	5.0	725	12.0	5.5	2.4	197
	7.0	975	16.0	6.5	2.2	

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 180 L-8/6	7.0	725	18	5.5	2.0	240
	9.5	980	24	6.2	1.8	
4KTC 200 L-8/6	10	725	23	5.5	2.3	260
	13	980	27	6.8	2.1	
4KTC 225 S-8/6	13	725	29	5.3	1.7	320
	16	975	36	6.2	1.4	
4KTC 225 M-8/6	17	725	42	5.4	1.7	400
	22	975	54	6.5	1.4	
5KTC 250 M-8/6	22	730	51	5.8	1.9	490
	30	985	65	6.5	1.6	
4KTC 280 S-8/6	27	735	63	5.8	1.8	610
	35	985	80	6.5	1.5	
4KTC 280 M-8/6	33	735	74	6.0	1.8	685
	41	985	90	6.7	1.5	
4KTC 315 S-8/6	40	735	90	6.0	1.8	820
	50	985	102	7.0	1.4	
4KTC 315 M-8/6	48	735	103	6.0	1.8	930
	62	985	125	7.0	1.4	



Three-phase motor with short-circuit rotor

Pole number 4/2

D/YY 440 to 480 V 60 Hz

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

Explosion protection II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 A-4/2	0.23 0.3	1660 3360	0.75 0.9	3.4 3.7	1.8 1.8	16
4KTC 71 B-4/2	0.33 0.45	1600 3360	1.05 1.25	3.6 3.8	1.8 1.7	17
4KTC 80 A-4/2	0.55 0.7	1640 3310	1.26 1.43	3.5 3.2	1.5 1.6	25
4KTC 80 B-4/2	0.75 0.9	1640 3380	1.75 1.85	3.9 5.2	1.6 1.9	28
4KTC 90 S-4/2	1.2 1.5	1700 3360	2.6 3.0	4.2 4.4	1.4 1.5	34
4KTC 90 L-4/2	1.6 2	1690 3420	3.3 3.9	4.6 5	1.6 1.8	36
4KTC 100 LA-4/2	2.0 2.6	1710 3410	4.1 5.2	4.5 3.9	1.5 1.5	45
4KTC 100 LB-4/2	2.8 3.5	1700 3440	5.65 6.6	4.8 5.5	1.6 1.7	49
4KTC 112 M-4/2	4.0 4.8	1750 3470	8.4 8.5	6.3 7.0	2.0 2.0	64
4KTC 132 S-4/2	5.5 6.5	1750 3480	11.5 11.9	5.9 6.0	2.3 2.4	89
4KTC 132 M-4/2	6.5 8.0	1750 3490	13.5 14.5	5.5 6.0	1.9 1.9	99
4KTC 160 M-4/2	10.0 11.0	1760 3520	19.5 22.0	6.2 7.1	2.0 2.2	1.9

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 160 L-4/2	13 16	1760 3540	27.5 32.0	8.5 7.6	3.0 2.6	189
4KTC 180 M-4/2	15 18	1760 3530	29.0 33.0	6.5 7.1	2.1 2.1	220
4KTC 180 L-4/2	18 22	1770 3540	35.0 39.0	6.5 7.1	2.1 2.1	240
4KTC 200 L-4/2	22 25	1780 3550	37.0 43.0	8.0 8.0	2.6 2.1	260
4KTC 225 S-4/2	26 30	1780 3550	46.0 59.0	6.6 7.1	2.1 2.1	320
4KTC 225 M-4/2	31 37	1780 3550	62.0 66.0	6.8 7.2	2.1 2.2	400
5KTC 250 M-4/2	40 50	1780 3550	77.0 87.0	6.7 7.1	2.0 2.1	490
4KTC 280 S-4/2	50 63	1780 3560	85.0 95.0	6.5 6.6	1.7 1.7	610
4KTC 280 M-4/2	71 88	1780 3560	128.0 142.0	6.3 6.5	1.5 1.5	685
4KTC 315 S-4/2	85 98	1780 3560	154.0 176.0	6.2 5.7	1.5 1.5	820
4KTC 315 MA-4/2	98 110	1780 3560	156.0 190.0	6.2 5.9	1.5 1.5	930
4KTC 315 MB-4/2	110 130	1780 3560	208.0 230.0	5.9 5.7	1.5 1.4	1240

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Three-phase motor with short-circuit rotor

Pole number 8/4

D/YY 440 to 480 V 60 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 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 A-8/4	0.05 0.24	740 1640	0.32 0.57	2.0 3.6	1.4 1.5	16
4KTC 71 B-8/4	0.08 0.35	740 1640	0.47 0.82	2.0 3.6	1.4 1.5	17
4KTC 80 A-8/4	0.22 0.33	830 1660	0.83 0.79	2.7 3.7	1.5 1.7	25
4KTC 80 B-8/4	0.30 0.44	830 1680	1.08 0.96	2.7 4.3	1.7 1.7	28
4KTC 90 S-8/4	0.46 0.85	850 1670	1.9 1.9	2.7 3.7	1.6 1.3	34
4KTC 90 L-8/4	0.55 1.10	850 1690	2.3 2.25	2.9 4.1	1.7 1.3	36
4KTC 100 LA-8/4	1.0 1.4	840 1690	3.0 3.0	3.1 4.7	1.5 1.5	45
4KTC 100 LB-8/4	1.1 1.7	860 1720	3.2 3.35	3.7 5.0	1.7 1.5	49
4KTC 112 M-8/4	1.6 2.7	860 1730	4.55 5.0	4.5 5.7	1.7 1.6	64
4KTC 132 S-8/4	2.5 4.0	870 1740	7.1 7.3	4.5 6.3	1.8 1.8	89
4KTC 132 M-8/4	3.3 5.5	880 1750	9.3 8.9	4.9 7.3	2.3 2.0	99
4KTC 160 MA-8/4	4.4 6.0	870 1740	10.0 11.0	5.0 6.7	1.6 1.7	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 160 MB-8/4	5.0 8.0	870 1740	11.7 14.3	5.5 6.6	1.8 1.7	165
4KTC 160 L-8/4	7.5 12.0	870 1750	16.5 20.2	5.7 6.8	1.8 1.5	220
4KTC 180 L-8/4	12.0 16.0	870 1750	29.0 30.0	4.4 6.6	1.5 1.7	240
4KTC 200 L-8/4	16.0 22.0	890 1780	33.8 42.4	7.3 8.9	2.1 2.2	260
4KTC 225 S-8/4	20.0 26.0	880 1760	42.0 50.0	5.0 6.5	1.4 1.5	320
4KTC 225 M-8/4	24.0 30.0	880 1760	50.0 55.0	4.7 6.6	1.3 1.7	400
5KTC 250 M-8/4	33.0 46.0	880 1760	67.0 80.0	4.3 6.2	1.3 1.7	490
4KTC 280 S-8/4	38.0 56.0	880 1760	80.0 96.0	4.4 6.2	1.4 1.4	610
4KTC 280 M-8/4	46.0 66.0	880 1760	88.0 105.0	4.7 6.0	1.3 1.3	685
4KTC 315 S-8/4	57.0 75.0	890 1770	109.0 130.0	4.7 6.1	1.4 1.3	820
4KTC 315 M-8/4	77.0 100.0	890 1770	147.0 173.0	5.5 6.2	1.5 1.3	930



Three-phase motor with short-circuit rotor

Pole number 6/4

Y/Y 440 to 480 V 60 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 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 A-6/4	0.16 0.22	1100 1730	0.75 0.85	2.5 3.1	1.4 1.3	16
4KTC 71 B-6/4	0.23 0.33	1100 1700	1.05 1.05	3.6 3.0	1.6 1.4	17
4KTC 80 A-6/4	0.24 0.35	1120 1750	0.7 1.07	3.1 4.0	1.5 1.6	25
4KTC 80 B-6/4	0.28 0.44	1140 1730	0.95 1.2	3.8 3.9	2.1 1.5	28
4KTC 90 S-6/4	0.5 0.7	1130 1740	1.5 1.75	3.4 5.0	1.8 1.9	34
4KTC 90 L-6/4	0.65 1.0	1150 1700	1.8 2.1	3.4 4.2	1.5 1.4	36
4KTC 100 LA-6/4	1.0 1.4	1150 1700	2.4 3.0	3.8 4.3	1.3 1.4	45
4KTC 100 LB-6/4	1.2 1.8	1150 1730	2.8 3.75	4.1 4.6	1.3 1.5	49
4KTC 112 M-6/4	1.6 2.6	1160 1740	3.55 5.05	5.0 5.2	1.6 1.5	64
4KTC 132 S-6/4	2.4 3.3	1160 1760	5.05 6.0	5.4 5.8	1.5 1.7	89
4KTC 132 M-6/4	3.3 5.0	1170 1750	6.7 8.9	6.2 6.0	1.7 1.5	99
4KTC 160 M-6/4	4.0 6.2	1180 1760	8.75 11.8	6.3 7.6	1.7 1.7	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 160 L-6/4	6.0 8.8	1180 1770	12.3 15.5	6.7 8.5	1.7 2.0	197
4KTC 180 M-6/4	8.2 12.0	1180 1760	16.6 22.0	6.0 6.2	1.7 1.4	220
4KTC 180 L-6/4	10.0 14.0	1180 1760	20.0 26.0	6.2 6.6	1.7 1.3	240
4KTC 200 L-6/4	14.0 20.0	1180 1760	31.0 39.0	6.5 6.8	1.8 1.9	260
4KTC 225 S-6/4	20.0 25.0	1180 1760	40.0 48.0	5.7 6.0	1.7 1.9	320
4KTC 225 M-6/4	25.0 29.0	1180 1760	48.0 56.0	5.7 6.2	1.8 1.7	400
5KTC 250 M-6/4	29.0 35.0	1180 1760	53.0 65.0	5.7 6.2	1.8 1.9	490
4KTC 280 S-6/4	35.0 50.0	1180 1770	63.0 89.0	6.2 6.6	2.0 2.3	610
4KTC 280 M-6/4	40.0 60.0	1180 1770	72.0 108.0	6.2 6.6	2.0 2.3	685
4KTC 315 S-6/4	50.0 73.0	1180 1780	88.0 130.0	6.5 6.8	1.8 2.0	820
4KTC 315 M-6/4	60.0 88.0	1180 1780	108.0 155.0	6.5 6.8	1.8 2.0	930

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Three-phase motor with short-circuit rotor

Pole number 8/6

Y/Y 440 to 480 V 60 Hz

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

Explosion protection II 2G Ex db IIC T4 Gb or II 2G Ex db e IIC T4 Gb  
 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 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 90 S-8/6	0.38	830	1.35	2.6	1.5	34
	0.50	1150	1.5	3.1	1.5	
4KTC 90 L-8/6	0.50	830	1.68	2.6	1.3	36
	0.65	1150	2.07	3.3	1.5	
4KTC 100 LA-8/6	0.65	860	2.05	2.8	1.4	45
	0.85	1160	2.15	3.9	1.5	
4KTC 100 LB-8/6	0.8	850	2.4	2.9	1.4	49
	1.0	1160	2.5	3.9	1.5	
4KTC 112 M-8/6	1.0	860	2.8	4.0	1.6	64
	1.3	1160	3.0	4.8	1.9	
4KTC 132 S-8/6	1.6	870	5.05	4.6	2.1	89
	2.2	1170	5.5	5.9	2.0	
4KTC 132 M-8/6	2.4	870	6.8	3.7	1.8	99
	3.3	1170	8.1	5.0	1.9	
4KTC 160 M-8/6	3.8	870	8.8	5.2	2.0	155
	5.5	1170	12.0	6.1	1.8	
4KTC 160 L-8/6	5.5	870	12.0	5.2	2.0	197
	7.5	1170	16.0	6.1	1.9	

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 180 L-8/6	7.5	870	18.0	5.2	1.7	240
	10.5	1180	24.0	5.9	1.5	
4KTC 200 L-8/6	11.0	870	23.0	5.2	2.0	260
	14.0	1180	27.0	6.5	1.8	
4KTC 225 S-8/6	14.0	870	29.0	5.0	1.5	320
	17.0	1170	36.0	5.9	1.2	
4KTC 225 M-8/6	18.0	870	42.0	5.1	1.5	400
	24.0	1170	54.0	6.2	1.2	
5KTC 250 M-8/6	24.0	880	51.0	5.5	1.6	490
	33.0	1180	65.0	6.2	1.4	
4KTC 280 S-8/6	30.0	880	63.0	5.5	1.5	610
	38.0	1180	80.0	6.2	1.3	
4KTC 280 M-8/6	36.0	880	74.0	5.7	1.5	685
	45.0	1180	90.0	6.4	1.3	
4KTC 315 S-8/6	44.0	880	90.0	5.7	1.5	820
	55.0	1180	102.0	6.6	1.2	
4KTC 315 M-8/6	53.0	880	103.0	5.7	1.5	930
	68.0	1180	125.0	6.6	1.2	



Three-phase motor with short-circuit rotor

Pole number 4/2

Y/YY 380 to 415 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	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 A-4/2	0.09 0.37	1320 2740	0.35 1.1	2.8 3.6	1.7 1.5	16
4KTC 71 B-4/2	0.14 0.5	1330 2800	0.5 1.3	2.7 4.3	1.9 2.9	16
4KTC 80 A-4/2	0.17 0.75	1400 2810	0.58 1.85	3.6 4.7	2.2 2.1	25
4KTC 80 B-4/2	0.2 0.95	1385 2780	0.64 2.5	3.8 4.2	1.8 1.9	28
4KTC 90 S-4/2	0.37 1.4	1430 2810	0.8 3.1	5.6 5.3	2.4 2.0	34
4KTC 90 L-4/2	0.5 2.0	1445 2880	1.2 4.6	5.8 6.4	2.4 2.2	36
4KTC 100 LA-4/2	0.6 2.6	1430 2880	1.6 5.7	5.3 6.5	2.2 1.7	45
4KTC 100 LB-4/2	0.85 3.2	1410 2870	2.0 6.8	4.7 5.7	1.8 2.0	49
4KTC 112 M-4/2	1.1 4.4	1450 2880	2.5 8.5	6.2 6.6	2.1 2.0	64
4KTC 132 S-4/2	1.7 6.0	1455 2890	3.8 12.4	5.9 6.3	2.0 2.3	89
4KTC 132 M-4/2	2.0 8.0	1450 2920	4.2 18.0	7.0 7.3	1.9 2.1	99
4KTC 160 M-4/2	2.9 11.0	1450 2920	6.2 24.5	7.0 7.1	1.9 2.1	169

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 160 L-4/2	3.8 15.5	1450 2920	7.4 31	7.9 8.1	2.2 2.2	189
4KTC 180 M-4/2	5 18	1460 2930	12 34	7 7.2	2 2	220
4KTC 180 L-4/2	6 24	1450 2925	14.5 44	7.2 7.3	2.1 2.1	240
4KTC 200 L-4/2	8 30	1460 2940	18.5 57	7.2 7.3	1.9 2	260
4KTC 225 S-4/2	9,2 37	1460 2960	21 68	7 7.3	2 2.1	320
4KTC 225 M-4/2	11,5 44	1450 2970	23 81	7 7.2	2 2	400
5KTC 250 M-4/2	15 55	1470 2950	29 97	5 6.3	2 2.2	490
4KTC 280 S-4/2	20 75	1475 2965	36 125	5.5 7	1.8 2	610
4KTC 280 M-4/2	24 90	1480 2970	44 149	5.6 7.4	1.9 2.2	685
4KTC 315 S-4/2	27 110	1485 2980	48 179	5 6.2	1.3 1.2	820
4KTC 315 MA-4/2	33 132	1485 2980	59 215	5 6.2	1.3 1.2	930
4KTC 315 MB-4/2	37 145	1485 2980	70 237	5.2 6.8	1.2 1.2	1240

1



Three-phase motor with short-circuit rotor

Pole number 8/4

Y/YY 380 to 415 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	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 A-8/4	0.05 0.2	700 1420	0.39 0.82	1.7 3.5	1.4 1.8	16
4KTC 71 B-8/4	0.07 0.3	680 1390	0.44 0.95	1.8 3.6	1.6 1.8	17
4KTC 80 A-8/4	0.1 0.45	690 1425	0.53 1.45	2.4 4.7	1.7 2.4	25
4KTC 80 B-8/4	0.13 0.6	690 1435	0.69 1.9	2.35 4.7	1.9 2.7	28
4KTC 90 S-8/4	0.18 0.8	700 1415	0.76 1.9	2.8 5.0	1.8 2.0	34
4KTC 90 L-8/4	0.3 1.2	700 1435	1.24 2.9	3.0 5.6	2.0 2.3	36
4KTC 100 LA-8/4	0.33 1.6	710 1435	1.45 3.7	3.1 5.1	1.3 1.5	45
4KTC 100 LB-8/4	0.55 2.2	695 1430	2.0 4.9	2.8 5.0	1.6 1.8	49
4KTC 112 M-8/4	0.75 3.0	705 1440	2.44 6.1	3.2 6.5	1.7 2.0	64
4KTC 132 S-8/4	1.1 4.4	710 1450	3.5 9.0	2.8 5.3	1.5 2.0	89
4KTC 132 M-8/4	1.3 5.1	720 1460	4.0 10.2	3.5 6.9	3.1 2.6	99
4KTC 160 MA-8/4	1.8 7.5	725 1465	4.6 14.8	5.3 7.6	1.8 2.0	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 160 MB-8/4	3.0 10.0	725 1470	10.0 22.0	3.3 6.6	1.9 2.7	165
4KTC 180 M-8/4	4.0 16.0	735 1465	13.0 30.0	4.5 6.1	1.9 2.4	220
4KTC 180 L-8/4	4.5 19.0	730 1470	14.5 38.5	4.0 6.6	2.1 2.4	240
4KTC 200 L-8/4	6.2 25.0	720 1470	14.5 46.0	4.4 6.8	2.2 2.3	260
4KTC 225 S-8/4	7.5 30.0	725 1470	19.0 60.0	4.6 6.7	2.3 2.4	320
4KTC 225 M-8/4	9.0 37.0	730 1475	22.0 67.0	4.8 7.0	2.4 2.8	400
5KTC 250 M-8/4	12.0 48.0	730 1475	24.5 82.0	5.0 5.8	2.2 2.4	490
4KTC 280 S-8/4	16.0 65.0	740 1485	42.0 127.0	4.3 7.5	1.8 2.1	610
4KTC 280 M-8/4	20.0 80.0	740 1485	48.0 140.0	4.3 7.5	1.8 2.2	685
4KTC 315 S-8/4	24.0 98.0	735 1485	45.0 165.0	4.6 7.0	1.4 1.8	820
4KTC 315 M-8/4	30.0 120.0	740 1485	52.0 196.0	4.6 7.0	1.4 1.8	930



Three-phase motor with short-circuit rotor

Pole number 6/4

Y/Y 380 to 415 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	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 B-6/4	0.1 0.3	960 1450	0.83 1.0	2.8 4.0	1.9 2.1	16
4KTC 80 A-6/4	0.13 0.44	930 1430	0.49 1.4	3.8 4.2	1.2 1.6	25
4KTC 80 B-6/4	0.18 0.59	950 1430	0.67 1.6	3.6 4.0	1.9 1.7	28
4KTC 90 S-6/4	0.29 0.8	950 1430	1.05 2.2	3.4 4.3	1.5 1.5	34
4KTC 90 L-6/4	0.37 1.1	960 1430	1.38 2.65	3.7 5.2	2.4 2.0	36
4KTC 100 LA-6/4	0.5 1.5	960 1440	1.65 3.6	3.6 4.8	1.6 1.6	45
4KTC 100 LB-6/4	0.75 2.2	970 1460	3.1 6.8	4.0 5.4	1.6 1.8	49
4KTC 112 M-6/4	0.9 3.0	940 1445	2.43 6.4	4.1 4.8	1.7 1.6	64
4KTC 132 S-6/4	1.2 4.0	980 1460	4.6 9.5	5.1 6.5	1.7 2.0	89
4KTC 132 M-6/4	1.7 5.5	960 1460	6.1 13	5.5 6.8	2.0 1.9	99
4KTC 160 M-6/4	2.5 7.5	980 1465	7.4 16.5	6.0 7.4	2.2 2.1	155
4KTC 160 L-6/4	3.3 11.0	985 1475	8.8 23.1	6.0 7.3	2.7 2.6	197

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 400 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 180 M-6/4	5.2 15.0	960 1450	12.0 31.5	6.0 6.9	1.6 1.8	220
4KTC 180 L-6/4	6.2 18.5	965 1450	14.5 36.0	6.2 7.0	1.6 1.8	240
4KTC 200 L-6/4	8.8 25.0	970 1465	18.5 48.5	6.2 6.4	2.1 2.1	260
4KTC 225 S-6/4	11.0 30.0	985 1480	23.7 57.0	6.25 6.2	2.1 2.1	320
4KTC 225 M-6/4	14.0 38.0	980 1470	30.0 71.0	6.0 6.1	2.0 2.1	400
5KTC 250 M-6/4	18.0 52.0	985 1480	34.0 87.0	6.5 7.5	2.3 2.4	490
4KTC 280 S-6/4	25.0 70.0	985 1480	45.0 126.0	6.5 7.0	1.9 1.7	610
4KTC 280 M-6/4	30.0 80.0	985 1485	55.0 141.0	6.5 7.0	2.0 1.8	685
4KTC 315 S-6/4	40.0 105.0	985 1480	63.0 170.0	6.0 6.0	2.4 2.0	820
4KTC 315 M-6/4	50.0 120.0	985 1480	70.0 200.	6.0 7.0	2.3 2.2	930

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Three-phase motor with short-circuit rotor

Pole number 4/2

Y/YY 440 to 480 V 60 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 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 A-4/2	0.1 0.4	1585 3290	0.35 1.1	2.7 3.4	1.6 1.4	16
4KTC 71 B-4/2	0.15 0.55	1600 3360	0.5 1.3	2.6 4.1	1.8 2.7	16
4KTC 80 A-4/2	0.18 0.9	1690 3355	0.51 1.94	4.0 3.8	2.7 2.2	25
4KTC 80 B-4/2	0.27 1.1	1660 3340	0.64 2.5	3.6 4.0	1.7 1.8	28
4KTC 90 S-4/2	0.4 1.5	1720 3370	0.8 3.1	5.3 5.0	2.2 1.9	34
4KTC 90 L-4/2	0.55 2.2	1730 3460	1.2 4.6	5.5 6.1	2.2 2.0	36
4KTC 100 LA-4/2	0.65 2.9	1720 3460	1.6 5.7	5.0 6.2	2.0 1.6	45
4KTC 100 LB-4/2	0.95 3.5	1690 3440	2.0 6.8	4.5 5.4	1.7 1.9	49
4KTC 112 M-4/2	1.2 4.8	1740 3460	2.5 8.5	5.9 6.3	2.0 1.9	64
4KTC 132 S-4/2	1.9 6.6	1750 3470	3.8 12.4	5.6 6.0	1.9 2.1	89
4KTC 132 M-4/2	2.2 8.8	1740 3500	4.2 18.0	6.6 7.0	1.8 2.0	99
4KTC 160 M-4/2	3.2 12.6	1740 3500	6.2 24.5	6.6 6.7	1.8 2.0	169

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 160 L-4/2	4.2 17.0	1740 3500	7.4 31.0	7.5 7.7	2.0 2.0	189
4KTC 180 M-4/2	5.5 20.0	1750 3520	12.0 34.0	6.6 6.8	1.9 1.9	220
4KTC 180 L-4/2	6.6 26.0	1740 3510	14.5 44.0	6.8 6.9	2.0 2.0	240
4KTC 200 L-4/2	8.8 33.0	1750 3530	18.5 57.0	6.8 6.9	1.8 1.9	260
4KTC 225 S-4/2	10.0 41.0	1750 3550	21.0 68.0	6.6 6.9	1.9 2.0	320
4KTC 225 M-4/2	12.5 48.0	1740 3560	23.0 81.0	6.6 6.8	1.9 1.9	400
5KTC 250 M-4/2	16.5 60.0	1760 3540	29.0 97.0	4.8 6.0	1.9 2.0	490
4KTC 280 S-4/2	22.0 82.0	1770 3560	36.0 125.0	5.2 6.6	1.7 1.9	610
4KTC 280 M-4/2	26.0 100.0	1780 3560	44.0 149.0	5.3 7.0	1.8 2.0	685
4KTC 315 S-4/2	30.0 120.0	1780 3580	48.0 179.0	4.7 5.9	1.2 1.1	820
4KTC 315 MA-4/2	36.0 145.0	1780 3580	59.0 215.0	4.7 5.9	1.2 1.1	930
4KTC 315 MB-4/2	40.0 160.0	1780 3580	70.0 237.0	5.0 6.5	1.1 1.1	1240



Three-phase motor with short-circuit rotor

Pole number 8/4

Y/YY 440 to 480 V 60 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 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 71 A-8/4	0.06 0.22	840 1700	0.39 0.82	1.6 3.3	1.3 1.7	16
4KTC 71 B-8/4	0.08 0.33	820 1670	0.44 0.95	1.7 3.4	1.5 1.7	17
4KTC 80 A-8/4	0.11 0.5	830 1710	0.53 1.45	2.3 4.5	1.6 2.2	25
4KTC 80 B-8/4	0.14 0.65	830 1720	0.69 1.9	2.2 4.5	1.8 2.5	28
4KTC 90 S-8/4	0.2 0.9	840 1700	0.76 1.9	4.8 2.7	1.7 1.9	34
4KTC 90 L-8/4	0.33 1.32	834 1715	1.16 2.9	3.4 5.15	2.1 2.7	36
4KTC 100 LA-8/4	0.45 2.0	840 1705	1.4 3.95	2.9 4.7	1.2 1.4	45
4KTC 100 LB-8/4	0.6 2.4	845 1730	2.15 5.1	3.0 5.5	2.1 2.7	49
4KTC 112 M-8/4	0.8 3.3	850 1730	2.44 6.1	3.0 6.2	1.6 1.9	64
4KTC 132 S-8/4	1.2 4.8	850 1740	3.5 9.0	2.7 5.0	1.4 1.9	89
4KTC 132 M-8/4	1.15 5.75	865 1745	3.45 10.4	3.7 6.5	2.9 2.4	99
4KTC 160 MA-8/4	1.6 8.0	875 1755	4.0 14.2	5.6 7.3	1.7 1.9	155

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (I <sub>A</sub> /I <sub>N</sub> )	Max. torque (MM/MN)	Weight kg
4KTC 160 MB-8/4	3.3 11.0	870 1760	10.0 22.0	3.1 6.3	1.8 2.5	165
4KTC 180 M-8/4	4.4 17.6	875 1765	11.2 31.0	3.8 6.5	1.7 2.3	220
4KTC 180 L-8/4	4.5 18.0	880 1775	12.8 33.0	4.0 7.6	2.0 2.2	240
4KTC 200 L-8/4	6.0 30.0	885 1775	14.3 51.0	6.4 8.7	2.0 2.1	260
4KTC 225 S-8/4	9.0 35.0	870 1760	19.0 60.0	4.4 6.4	2.1 2.2	320
4KTC 225 M-8/4	10.0 41.0	880 1770	22.0 67.0	4.6 6.7	2.2 2.6	400
5KTC 250 M-8/4	11.0 50.0	880 1770	24.5 82.0	4.8 5.5	2.0 2.2	490
4KTC 280 S-8/4	19.0 75.0	890 1780	42.0 127.0	4.1 7.1	1.7 2.0	610
4KTC 280 M-8/4	22.0 88.0	890 1780	48.0 140.0	4.1 7.1	1.7 2.0	685
4KTC 315 S-8/4	24.0 105.0	880 1780	45.0 165.0	4.4 6.7	1.3 1.7	820
4KTC 315 M-8/4	29.0 126.0	890 1780	52.0 196.0	4.4 6.7	1.3 1.7	930

1



Three-phase motor with short-circuit rotor

Pole number 6/4

Y/Y 440 to 480 V 60 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 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 71 B-6/4	0.11 0.33	1150 1740	0.83 1.0	2.7 1.0	1.8 2.0	16
4KTC 80 A-6/4	0.14 0.48	1120 1720	0.49 1.4	3.6 4.0	1.1 1.5	25
4KTC 80 B-6/4	0.2 0.65	1140 1720	0.67 1.6	3.4 3.8	1.8 1.6	28
4KTC 90 S-6/4	0.32 0.88	1140 1720	1.05 2.2	3.2 4.1	1.4 1.4	34
4KTC 90 L-6/4	0.4 1.2	1150 1720	1.38 2.65	3.5 4.9	2.2 1.9	36
4KTC 100 LA-6/4	0.55 1.65	1150 1730	1.65 3.6	3.4 4.6	1.5 1.5	45
4KTC 100 LB-6/4	0.82 2.4	1160 1750	3.1 6.8	3.8 5.1	1.5 1.7	49
4KTC 112 M-6/4	1.0 3.3	1130 1730	2.43 6.4	3.9 4.6	1.6 1.5	64
4KTC 132 S-6/4	1.3 4.4	1180 1750	4.6 9.5	4.8 6.2	1.6 1.9	89
4KTC 132 M-6/4	1.9 6.0	1150 1750	6.1 13	5.2 6.5	1.9 1.8	99
4KTC 160 M-6/4	2.7 8.2	1180 1760	7.4 16.5	5.7 7.0	2.0 2.0	155
4KTC 160 L-6/4	3.6 12.0	1180 1770	8.8 23.1	5.7 6.9	2.5 2.4	197

Selection chart

Type	Power kW	Speed min <sup>-1</sup>	In 440 V A	Starting current (IA/IN)	Max. torque (MM/MN)	Weight kg
4KTC 180 M-6/4	5.7 16.5	1150 1740	12.0 31.5	5.7 6.6	1.5 1.7	220
4KTC 180 L-6/4	6.8 20.0	1160 1740	14.5 36.0	5.9 6.6	1.5 1.7	240
4KTC 200 L-6/4	10.0 28.0	1160 1760	18.5 48.5	5.9 6.1	2.0 2.0	260
4KTC 225 S-6/4	12.0 33.0	1180 1780	23.7 57.0	5.9 6.2	2.0 2.0	320
4KTC 225 M-6/4	15.0 42.0	1180 1760	30.0 71.0	5.7 5.8	1.9 2.0	400
5KTC 250 M-6/4	19.0 53.0	1180 1780	34.0 87.0	6.2 7.1	2.1 2.2	490
4KTC 280 S-6/4	27.0 77.0	1180 1780	45.0 126.0	6.2 6.7	1.8 1.6	610
4KTC 280 M-6/4	33.0 90.0	1180 1780	55.0 141.0	6.2 6.7	1.9 1.7	685
4KTC 315 S-6/4	35.0 105.0	1180 1780	63.0 170.0	5.7 5.7	2.2 1.9	820
4KTC 315 M-6/4	41.0 126.0	1180 1780	70.0 200.0	5.7 6.7	2.1 2.0	930



Pole number 2

Three-phase motor with short-circuit rotor

Explosion protection: II 2G Ex d IIC T4 or II 2G Ex de IIC T4

Selection chart

Operating	net	frequency inverter						
Cooling	own	own	own	own	own	own	forced cooling	own
Torque		T - n <sup>2</sup>	constant	constant	constant	constant	constant	constant
Frequency	50 Hz	5 to 50 Hz	20 to 50 Hz	10 to 50 Hz	5 to 50 Hz	50 to 87 Hz	5 to 87 Hz	50 to 87 Hz*
Ratio		1 : 10	1 : 2.5	1 : 5	1 : 10	1 : 1.74	1 : 17.4	1 : 1.74
RPM		300 - 3000 min <sup>-1</sup>	1200 - 3000 min <sup>-1</sup>	600 - 3000 min <sup>-1</sup>	300 - 3000 min <sup>-1</sup>	3000 - 5220 min <sup>-1</sup>	300 - 5220 min <sup>-1</sup>	3000 - 5220 min <sup>-1</sup>
V/f		U/f = const	U/f = const	U/f = const	U/f = const	U = const	U = const	U/f = const**

\* range 60 to 87 Hz, motors with steel fan \*\* U = 230/400 V

Type		Power kW	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm
4KTC 71	A-2	0.37	0.35	1.12	0.32	1.07	0.3	0.97	0.22	0.74	0.35	0.65	0.35	0.65	0.6	1.12
	B-2	0.55	0.53	1.7	0.47	1.62	0.45	1.47	0.33	1.1	0.53	0.98	0.53	0.98	0.9	1.7
4KTC 80	A-2	0.75	0.72	2.3	0.65	2.2	0.6	2.0	0.5	1.7	0.7	1.33	0.7	1.33	1.2	2.3
	B-2	1.1	1.0	3.4	0.95	3.25	0.9	3.0	0.75	2.5	1.1	2.0	1.1	2.0	1.8	3.4
4KTC 90	S-2	1.5	1.4	4.5	1.3	4.3	1.2	4.0	1.0	3.3	1.4	2.6	1.4	2.6	2.5	4.5
	L-2	2.2	2.1	6.7	1.9	6.4	1.7	5.7	1.4	4.7	2.1	3.8	2.1	3.8	3.7	6.7
4KTC 100	L-2	3.0	2.8	9.0	2.6	8.6	2.2	7.2	1.8	5.9	2.8	5.2	2.8	5.2	4.9	9.0
4KTC 112	M-2	4.0	3.8	12.0	3.4	11.4	3.2	10.4	2.5	8.2	3.8	6.9	3.8	6.9	6.5	12.0
4KTC 132	SA-2	5.5	5.1	16.3	4.7	15.6	4.5	14.1	3.7	12.0	5.1	9.4	5.1	9.4	8.9	16.3
	SB-2	7.5	6.9	22.0	6.5	21.1	6.0	19.1	5.0	16.0	7.0	12.7	7.0	12.7	12.0	22.0
4KTC 160	MA-2	11.0	10.0	32.2	9.5	30.8	8.8	27.9	7.5	24.0	10.2	18.6	10.2	18.6	17.6	32.2
	MB-2	15.0	13.5	43.8	12.9	41.9	12.0	38.0	10.0	32.0	13.8	25.3	13.8	25.3	24.0	43.8
	L-2	18.5	16.6	54.0	15.9	51.6	15.0	46.8	12.0	41.0	17.0	31.2	17.0	31.2	29.5	54.0
4KTC 180	M-2	22.0	20.0	64.4	18.9	61.5	18.0	55.8	15.0	49.0	20.3	37.2	20.3	37.2	35.0	64.4
4KTC 200	LA-2	30.0	27.0	87.0	25.8	83.4	24.0	75.7	21.0	68.0	27.6	50.4	27.6	50.4	47.0	87.0
	LB-2	37.0	33.0	107.0	31.8	102.4	28.0	90.0	26.0	84.0	34.0	62.0	34.0	62.0	58.0	107.0
4KTC 225	M-2	45.0	40.0	130.0	37.0	119.0	34.0	110.0	32.0	101.0	-	-	-	-	-	-
5KTC 250	M-2	55.0	50.0	159.0	45.0	145.0	43.0	138.0	39.0	124.0	-	-	-	-	-	-
4KTC 280	S-2	75.0	67.0	217.0	60.0	193.0	58.0	186.0	53.0	169.0	-	-	-	-	-	-
	M-2	90.0	81.0	260.0	73.0	234.0	70.0	225.0	63.0	202.0	-	-	-	-	-	-
4KTC 315	S-2	110.0	100.0	318.0	90.0	288.0	88.0	282.0	78.0	247.0	-	-	-	-	-	-
	MA-2	132.0	119.0	382.0	110.0	353.0	105.0	331.0	93.0	297.0	-	-	-	-	-	-
	MA-2	160.0	144.0	458.0	135.0	433.0	125.0	398.0	112.0	358.0	-	-	-	-	-	-
	L-2	200.0	180.0	575.0	165.0	528.0	156.0	498.0	140.0	447.0	-	-	-	-	-	-





Pole number 4

Explosion protection: II 2G Ex d IIC T4 or II 2G Ex de IIC T4

Selection chart

Operating	net	frequency inverter						
Cooling	own	own	own	own	own	own	forced cooling	own
Torque		T - n <sup>2</sup>	constant	constant	constant	constant	constant	constant
Frequency	50 Hz	5 to 50 Hz	20 to 50 Hz	10 to 50 Hz	5 to 50 Hz	50 to 87 Hz	5 to 87 Hz	50 to 87 Hz*
Ratio		1 : 10	1 : 2.5	1 : 5	1 : 10	1 : 1.74	1 : 17.4	1 : 1.74
RPM		150 - 1500 min <sup>-1</sup>	600 - 1500 min <sup>-1</sup>	300 - 1500 min <sup>-1</sup>	150 - 1500 min <sup>-1</sup>	1500 - 2610 min <sup>-1</sup>	150 - 2610 min <sup>-1</sup>	1500 - 2610 min <sup>-1</sup>
V/f		U/f = const	U/f = const	U/f = const	U/f = const	U = const	U = const	U/f = const**

\* range 60 to 87 Hz, motors with steel fan \*\* U = 230/400 V

Type		Power kW	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm
KTC 71	A-4	0.25	0.25	1.57	0.23	1.5	0.21	1.35	0.19	1.2	0.25	0.9	0.25	0.9	0.43	1.57
	B-4	0.37	0.36	2.3	0.34	2.2	0.31	2.0	0.28	1.8	0.35	1.3	0.35	1.3	0.63	2.3
4KTC 80	A-4	0.55	0.53	3.38	0.5	3.2	0.45	2.9	0.4	2.6	0.55	2.0	0.55	2.0	0.92	3.38
	B-4	0.75	0.72	4.6	0.69	4.4	0.62	4.0	0.56	3.6	0.71	2.6	0.71	2.6	1.2	4.6
4KTC 90	S-4	1.1	1.05	6.7	1.0	6.4	0.9	5.8	0.8	5.2	1.05	3.9	1.05	3.9	1.8	6.7
	L-4	1.5	1.4	9.1	1.4	8.7	1.2	7.9	1.1	7.1	1.4	5.2	1.4	5.2	2.5	9.1
4KTC 100	LA-4	2.2	2.1	13.4	2.0	12.8	1.8	11.6	1.6	10.4	2.1	7.7	2.1	7.7	3.6	13.4
	LB-4	3.0	2.8	18.2	2.7	17.4	2.5	15.7	2.2	14.1	2.9	10.5	2.9	10.5	5.0	18.2
4KTC 112	M-4	4.0	3.8	24.0	3.6	22.9	3.2	20.7	2.9	18.6	3.8	13.8	3.8	13.8	6.5	24.0
4KTC 132	S-4	5.5	5.2	33.0	5.0	31.5	4.5	28.5	4.0	25.6	5.2	19.0	5.2	19.0	9.0	33.0
	M-4	7.5	7.0	44.5	6.7	42.6	6.0	38.6	5.4	34.6	7.0	25.7	7.0	25.7	12.0	44.5
4KTC 160	M-4	11.0	10.0	64.5	9.7	61.7	8.8	56.0	7.8	50.0	10.2	37.3	10.2	37.3	17.0	64.5
	L-4	15.0	14.0	88.0	13.2	84.0	12.0	76.3	10.7	68.0	13.9	50.8	13.9	50.8	24.0	88.0
4KTC 180	M-4	18.5	17.0	108.5	16.3	104.0	14.8	94.0	13.2	84.0	17.1	62.7	17.1	62.7	30.0	108.5
	L-4	22.0	20.0	129.0	19.3	123.0	17.6	112.0	15.7	100.0	20.4	74.5	20.4	74.5	35.0	129.0
4KTC 200	L-4	30.0	28.0	176.0	26.4	168.0	23.9	152.0	21.0	136.0	27.7	101.5	27.7	101.5	48.0	176.0
4KTC 225	S-4	37.0	34.0	216.0	32.3	206.0	29.4	187.0	26.0	168.0	34.2	125.0	34.2	125.0	-	-
	M-4	45.0	41.0	262.0	39.3	250.0	35.6	227.0	32.0	204.0	41.0	151.0	41.0	151.0	-	-
5KTC 250	M-4	55.0	50.0	320.0	48.0	305.0	43.5	277.0	39.0	248.0	50.0	185.0	50.0	185.0	-	-
4KTC 280	S-4	75.0	68.0	434.0	65.0	415.0	59.0	376.0	53.0	337.0	68.0	250.0	68.0	250.0	-	-
	M-4	90.0	82.0	520.0	78.0	497.0	70.0	450.0	64.0	405.0	82.0	300.0	82.0	300.0	-	-
4KTC 315	S-4	110.0	100.0	635.0	95.0	607.0	86.0	550.0	77.0	494.0	100.0	367.0	100.0	367.0	-	-
	MA-4	132.0	120.0	766.0	115.0	732.0	104.0	664.0	94.0	596.0	121.0	442.0	121.0	442.0	-	-
	MB-4	160.0	145.0	924.0	138.0	883.0	126.0	801.0	113.0	719.0	146.0	534.0	146.0	534.0	-	-
	L-4	200.0	180.0	1154.0	173.0	1102.0	157.0	1000.0	140.0	897.0	182.0	666.0	182.0	666.0	-	-

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Three-phase motor with short-circuit rotor

Pole number 6

Explosion protection: II 2G Ex d IIC T4 or II 2G Ex de IIC T4

Selection chart

Operating	net	frequency inverter						
Cooling	own	own	own	own	own	own	forced cooling	own
Torque		T - n <sup>2</sup>	constant	constant	constant	constant	constant	constant
Frequency	50 Hz	5 to 50 Hz	20 to 50 Hz	10 to 50 Hz	5 to 50 Hz	50 to 87 Hz	5 to 87 Hz	50 to 87 Hz*
Ratio		1 : 10	1 : 2.5	1 : 5	1 : 10	1 : 1.74	1 : 17.4	1 : 1.74
RPM		100 - 1000 min <sup>-1</sup>	400 - 1000 min <sup>-1</sup>	200 - 1000 min <sup>-1</sup>	100 - 1000 min <sup>-1</sup>	1000 - 1740 min <sup>-1</sup>	100 - 1740 min <sup>-1</sup>	1000 - 1740 min <sup>-1</sup>
V/f		U/f = const	U/f = const	U/f = const	U/f = const	U = const	U = const	U/f = const**

\* range 60 to 87 Hz, motors with steel fan \*\* U = 230/400 V

Type		Power kW	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm
4KTC	71 B-6	0.25	0.24	2.3	0.23	2.2	0.21	2.0	0.19	1.8	0.24	1.3	0.24	1.3	0.42	2.3
4KTC	80 A-6	0.37	0.36	3.4	0.35	3.3	0.31	3.0	0.28	2.7	0.36	2.0	0.36	2.0	0.62	3.4
	B-6	0.55	0.53	5.1	0.51	4.9	0.46	4.4	0.42	4.0	0.55	3.0	0.55	3.0	0.93	5.1
4KTC	90 S-6	0.75	0.73	7.0	0.7	6.7	0.64	6.1	0.57	5.5	0.73	4.0	0.73	4.0	1.27	7.0
	L-6	1.1	1.08	10.3	1.04	9.9	0.94	9.0	0.84	8.0	1.1	6.0	1.1	6.0	1.9	10.3
4KTC	100 L-6	1.5	1.45	13.9	1.38	13.2	1.25	12.0	1.1	10.8	1.45	8.0	1.45	8.0	2.5	13.9
4KTC	112 M-6	2.2	2.05	19.7	2.0	18.8	1.8	17.0	1.6	15.3	2.1	11.4	2.1	11.4	3.6	19.7
4KTC	132 S-6	3.0	2.8	26.5	2.6	25.3	2.4	23.0	2.1	20.6	2.8	15.3	2.8	15.3	4.8	26.5
	MA-6	4.0	3.8	36.0	3.6	34.3	3.2	31.0	2.9	28.0	3.8	20.7	3.8	20.7	6.5	36.0
	MB-6	5.5	5.2	50.0	4.9	47.0	4.5	43.0	4.0	38.0	5.3	29.0	5.3	29.0	9.1	50.0
4KTC	160 M-6	7.5	7.0	67.0	6.7	64.0	6.0	58.0	5.4	52.0	6.9	38.0	6.9	38.0	12.2	67.0
	L-6	11.0	10.3	98.0	9.8	94.0	8.9	85.0	8.0	76.0	10.4	57.0	10.4	57.0	17.8	98.0
4KTC	180 L-6	15.0	14.0	133.0	13.0	127.0	12.0	115.0	10.9	104.0	14.0	77.0	14.0	77.0	24.2	133.0
4KTC	200 LA-6	18.5	17.3	165.0	16.0	157.0	15.0	143.0	13.4	128.0	17.3	95.0	17.3	95.0	30.0	165.0
	LB-6	22.0	20.6	197.0	19.0	188.0	17.8	170.0	16.0	153.0	20.8	114.0	20.8	114.0	36.0	197.0
4KTC	225 M-6	30.0	27.5	264.0	26.0	252.0	24.0	228.0	21.5	205.0	27.7	152.0	27.7	152.0	-	-
5KTC	250 M-6	37.0	34.0	323.0	32.0	308.0	29.0	280.0	26.0	251.0	34.0	187.0	34.0	187.0	-	-
4KTC	280 S-6	45.0	41.0	393.0	39.0	376.0	35.0	340.0	32.0	306.0	41.0	227.0	41.0	227.0	-	-
	M-6	55.0	50.0	481.0	48.0	459.0	43.0	416.0	39.0	374.0	50.0	278.0	50.0	278.0	-	-
4KTC	315 S-6	75.0	69.0	659.0	65.0	629.0	58.0	571.0	54.0	512.0	69.0	381.0	69.0	381.0	-	-
	MA-6	90.0	82.0	787.0	78.0	752.0	71.0	681.0	64.0	612.0	83.0	454.0	83.0	454.0	-	-
	MB-6	110.0	100.0	960.0	96.0	917.0	87.0	831.0	78.0	746.0	101.0	554.0	101.0	554.0	-	-
	L-6	132.0	120.0	1150.0	115.0	1100.0	104.0	997.0	94.0	895.0	121.0	665.0	121.0	665.0	-	-



Three-phase motor with short-circuit rotor

Pole number 8

Explosion protection: II 2G Ex d IIC T4 or II 2G Ex de IIC T4

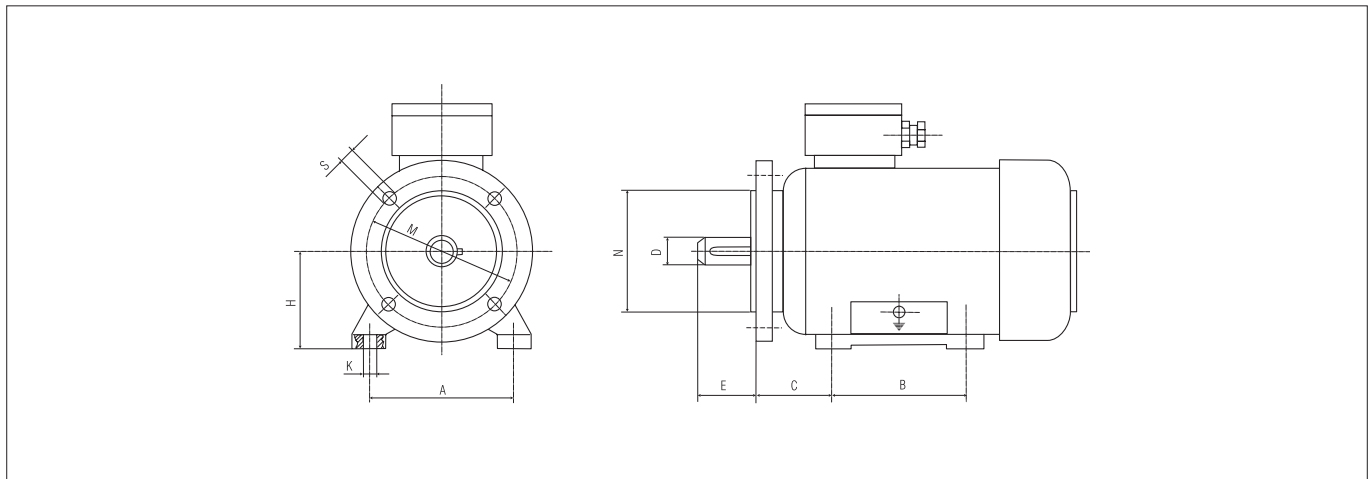
Selection chart

Operating	net	frequency inverter						
Cooling	own	own	own	own	own	own	forced cooling	own
Torque		T · n <sup>2</sup>	constant	constant	constant	constant	constant	constant
Frequency	50 Hz	5 to 50 Hz	20 to 50 Hz	10 to 50 Hz	5 to 50 Hz	50 to 87 Hz	5 to 87 Hz	50 to 87 Hz*
Ratio		1 : 10	1 : 2.5	1 : 5	1 : 10	-	-	1 : 1.74
RPM		75 - 750 min <sup>-1</sup>	300 - 750 min <sup>-1</sup>	150 - 750 min <sup>-1</sup>	75 - 750 min <sup>-1</sup>	750 - 1305 min <sup>-1</sup>	75 - 1305 min <sup>-1</sup>	750 - 1305 min <sup>-1</sup>
V/f		U/f = const	U/f = const	U/f = const	U/f = const	U = const	U = const	U/f = const**

\* range 60 to 87 Hz, motors with steel fan \*\* U = 230/400 V

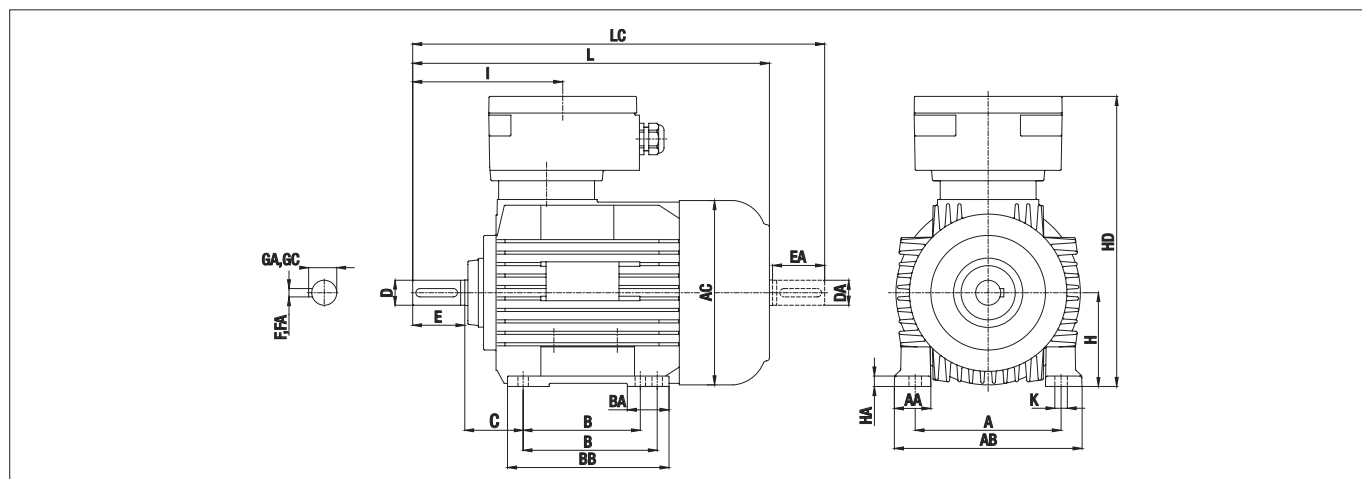
Type			Power kW	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 50 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm	Power 87 Hz	Torque Nm
4KTC	71	B-8	0.12	0.12	1.57	0.11	1.5	0.11	1.4	0.09	1.2	0.12	0.9	0.12	0.9	0.21	1.57
4KTC	80	A-8	0.18	0.18	2.3	0.17	2.2	0.16	2.0	0.14	1.8	0.18	1.3	0.18	1.3	0.31	2.3
		B-8	0.25	0.25	3.2	0.23	3.0	0.21	2.7	0.2	2.5	0.25	1.8	0.25	1.8	0.44	3.2
4KTC	90	S-8	0.37	0.37	4.7	0.35	4.5	0.31	4.0	0.28	3.6	0.37	2.7	0.37	2.7	0.64	4.7
		L-8	0.55	0.54	6.9	0.52	6.6	0.47	6.0	0.42	5.4	0.55	4.0	0.55	4.0	0.94	6.9
4KTC	100	LA-8	0.75	0.74	9.4	0.7	8.9	0.64	8.1	0.57	7.3	0.75	5.4	0.75	5.4	1.3	9.4
		LB-8	1.1	1.05	13.5	1.0	12.9	0.92	11.7	0.82	10.5	1.1	7.8	1.1	7.8	1.8	13.5
4KTC	112	M-8	1.5	1.4	18.2	1.35	17.4	1.24	15.8	1.1	14.1	1.4	10.5	1.4	10.5	2.5	18.2
4KTC	132	S-8	2.2	2.1	26.6	2.0	25.5	1.8	23.1	1.6	20.7	2.1	15.4	2.1	15.4	3.6	26.6
		M-8	3.0	2.8	36.4	27.0	35.0	2.5	31.5	2.2	28.3	2.9	21.0	2.9	21.0	5.0	36.4
4KTC	160	MA-8	4.0	3.8	48.0	3.6	46.0	3.2	41.4	2.9	37.2	3.8	27.6	3.8	27.6	6.5	48.0
		MB-8	5.5	5.2	66.0	4.9	63.0	4.5	57.4	4.0	51.5	5.2	38.3	5.2	38.3	9.0	66.0
		L-8	7.5	7.0	89.0	6.7	85.0	6.0	77.0	5.4	69.2	7.0	51.4	7.0	51.4	12.0	89.0
4KTC	180	L-8	11.0	10.4	132.0	9.9	126.0	9.0	115.0	8.0	103.0	10.4	76.0	10.4	76.0	18.0	132.0
4KTC	200	L-8	15.0	13.8	176.0	13.2	168.0	12.0	153.0	10.8	137.0	14.0	102.0	14.0	102.0	24.0	176.0
4KTC	225	S-8	18.5	17.6	224.0	16.8	214.0	15.0	194.0	14.0	174.0	17.6	129.0	17.6	129.0	-	-
		M-8	22.0	21.0	265.0	20.0	253.0	18.0	229.0	16.0	206.0	21.0	153.0	21.0	153.0	-	-
5KTC	250	M-8	30.0	28.0	358.0	27.0	342.0	24.0	310.0	22.0	279.0	28.0	207.0	28.0	207.0	-	-
4KTC	280	S-8	37.0	34.0	436.0	33.0	417.0	30.0	378.0	27.0	339.0	34.0	252.0	34.0	252.0	-	-
		M-8	45.0	41.0	527.0	40.0	504.0	36.0	457.0	32.0	410.0	42.0	305.0	42.0	305.0	-	-
4KTC	315	S-8	55.0	50.0	644.0	48.0	616.0	44.0	558.0	39.0	501.0	51.0	372.0	51.0	372.0	-	-
		MA-8	75.0	68.0	872.0	65.0	833.0	59.0	756.0	53.0	678.0	69.0	504.0	69.0	504.0	-	-
		MB-8	90.0	81.0	1030.0	77.0	985.0	70.0	893.0	63.0	801.0	81.0	595.0	81.0	595.0	-	-
		L-8	110.0	99.0	1260.0	95.0	1204.0	86.0	1092.0	77.0	980.0	99.0	728.0	99.0	728.0	-	-

1



The mounting dimensions allow the following tolerances:

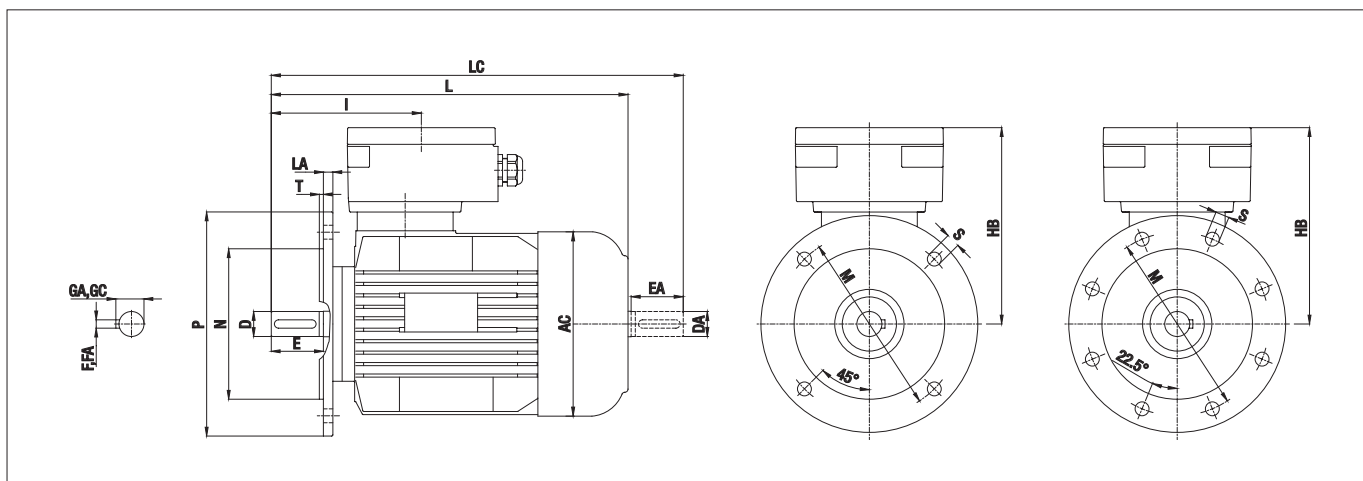
Dimensions		Tolerance
<b>A, B</b>	≤ 250 mm	± 0.75 mm
	> 250 mm ... 500 mm	± 1.00 mm
	> 500 mm ... 750 mm	± 1.50 mm
<b>H</b>	> 50 mm ... 250 mm	- 0.50 mm
	> 250 mm ... 630 mm	- 1.00 mm
<b>C</b>	≤ 85 mm	± 1.00 mm
	> 85 mm ... 130 mm	± 2.00 mm
	> 130 mm ... 240 mm	± 3.00 mm
	> 240 mm ... 500 mm	± 4.00 mm
<b>M</b>	≤ 200 mm	± 0.25 mm
	> 200 mm ... 500 mm	± 0.50 mm
	> 500 mm	± 1.00 mm
<b>K and S</b>	+ 3 % diameter	
<b>E</b>	≤ 30 mm	- 0.20 mm
	> 30 mm ... 110 mm	- 0.30 mm
<b>D</b>	≤ ∅ 50 mm	k 6
	≥ ∅ 50 mm	m 6
<b>N</b>	≤ 230 mm	j 6
	≥ 250 mm	h 6



**Dimensions**

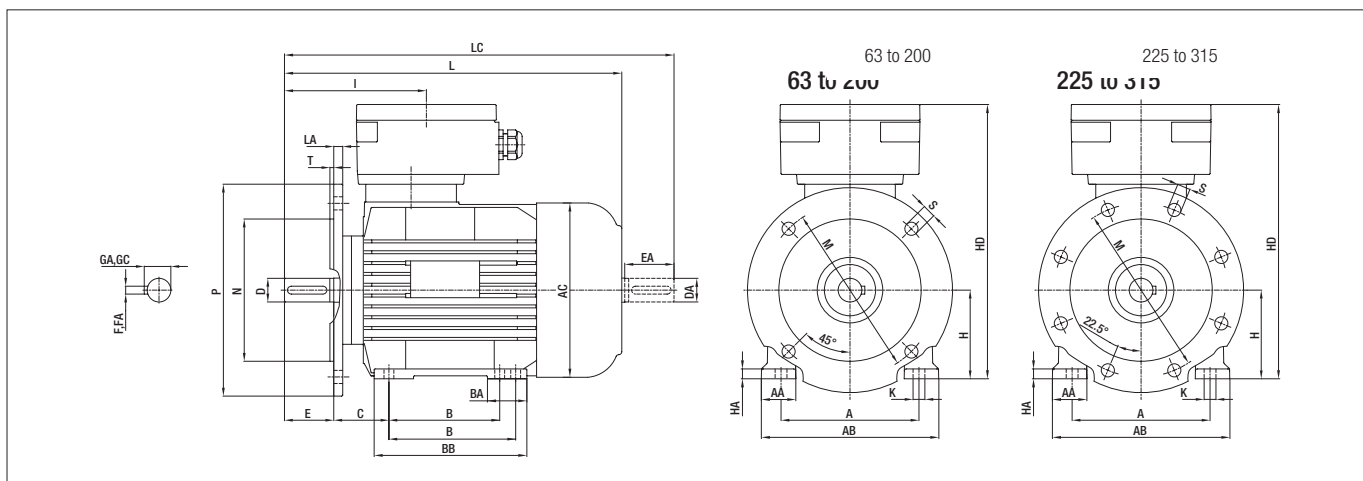
Frame size	A	AA	AB	AC	B	BA	BB	C	D	DA	E	EA	F	FA	GC	GA	H	HA	HD	HD Ex de	HD Ex d	I	K	L	LC
4KTC 63 A, B	100	22	120	124	80	30	106	40	11	23	4	12.5	63	8	210	210	105	7	238	266					
4KTC 71 A, B	112	30	140	139	90	30	114	45	14	30	5	16.0	71	10	218	218	113	9	272	307					
4KTC 80 A, B	125	32	160	157	100	35	130	50	19	40	6	21.5	80	10	249	249	132	10	319	362					
4KTC 90 S L	140	35	180	177	100	60	155	56	24	50	8	27.0	90	10	271	271	144	10	363	415					
					125																				
4KTC 100 L	160	45	205	195	140	45	175	63	28	60	8	31.0	100	17	288	288	158	12	418	481					
4KTC 112 M	190	50	235	219	140	50	180	70	28	60	8	31.0	112	15	311	311	158	12	442	504					
4KTC 132 S M	216	55	266	258	140	75	218	89	38	80	10	41.0	132	18	350	350	181	12	536	619					
					178																				
4KTC 160 M L	254	60	312	310	210	104	300	108	42	110	12	45.0	160	21	436	436	254	14	669	785					
					254																				
4KTC 180 M L	279	70	350	345	241	118	333	121	48	110	14	51.0	180	22	496	496	297	14	707	830					
					279																				
4KTC 200 L	318	80	398	385	305	95	365	133	55	110	16	59.0	200	21	546	546	308	18	790	910					
4KTC 225 S M-2 M	356	80	438	434	286	113	374	149	60	140	18	64.0	225	23	589	589	340	18	884	1035					
					311				55	110	16	59.0							310	854	975				
					311				60	140	18	64.0							340	884	1035				
5KTC 250 M-2 M	406	100	496	480	349	90	433	168	60	140	18	64.0	250	28	718	723	410	24	1007	1160					
65																									
4KTC 280 S-2 S M-2 M	457	110	557	537	368	100	454	190	65	140	18	69.0	280	23	769	774	410	24	1036	1191					
					368		454		75		79.5	1036							1191						
					419		505		65		69.0	1096							1251						
					419		505		75		79.5	1096							1251						
4KTC 315 S-2 S MA-2 MA MB-2 MB L-2 L	508	120	628	617	406	115	526	216	65	140	18	69.0	315	25	859	864	454	28	1050	1210					
					406		526		80		85.0	1080							1270						
					457		577		65		69.0	1220							1380						
					457		577		80		85.0	1250							1440						
					457		577		65		69.0	1220							1380						
					457		577		80		85.0	1250							1440						
					508		628		65		69.0	1300							1460						
					508		628		80		85.0	1330							1520						

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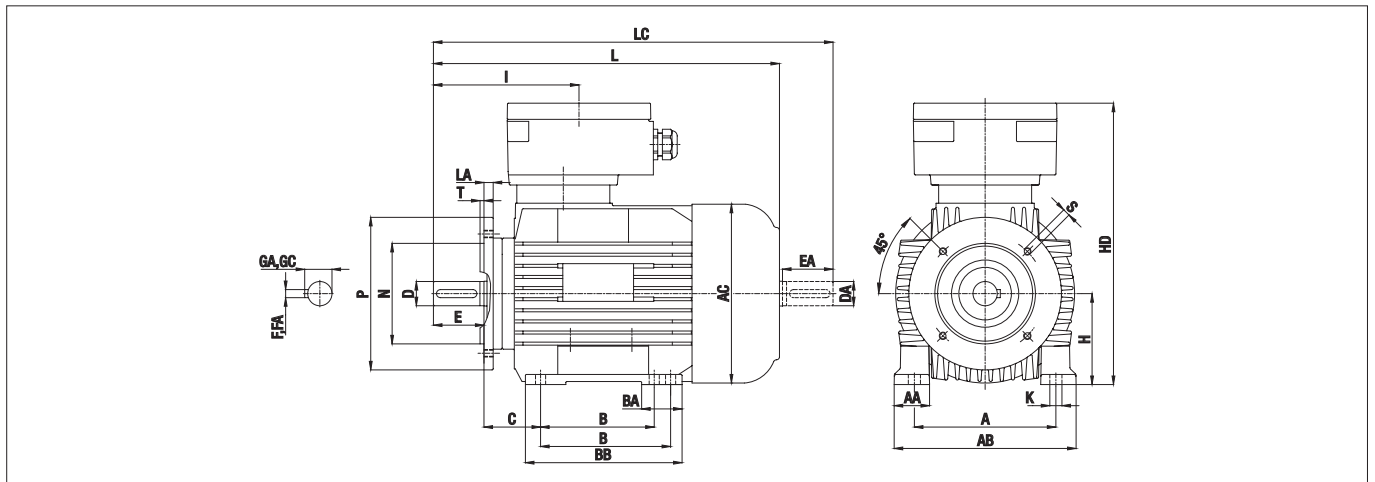
**Dimensions**

Frame size	Flange	AC	D DA	E EA	F FA	GC GA	HB Ex de	HB Ex d	I	L	LA	LC	M	N	P	S	No. of fixing holes	T	
4KTC 63	A, B	F 115-I	124	11	23	4	12.5	147	147	105	238	8	266	115	95	140	9	4	3.0
4KTC 71	A, B	F 130-I	139	14	30	5	16.0	147	147	113	272	10	307	130	110	160	9	4	3.5
4KTC 80	A, B	F 165-I	157	19	40	6	21.5	169	169	132	319	10	362	165	130	200	12	4	3.5
4KTC 90	S, L	F 165-I	177	24	50	8	27.0	181	181	144	363	10	415	165	130	200	12	4	3.5
4KTC 100	L	F 215-I	195	28	60	8	31.0	188	188	158	418	11	481	215	180	250	14	4	4.0
4KTC 112	M	F 215-I	219	28	60	8	31.0	199	199	158	442	11	504	215	180	250	14	4	4.0
4KTC 132	S, M	F 265-I	258	38	80	10	41.0	218	218	181	536	12	619	265	230	300	14	4	4.0
4KTC 160	M, L	F 300-I	310	42	110	12	45.0	276	276	254	669	15	785	300	250	350	18	4	5.0
4KTC 180	M, L	F 300-I	345	48	110	14	51.0	316	316	297	707	15	830	300	250	350	18	4	5.0
4KTC 200	L	F 350-I	385	55	110	16	59.0	346	346	308	790	18	910	350	300	400	18	4	5.0
4KTC 225	S	F 400-I	60	140	18	64.0	364	364	340	884	18	1035	400	350	450	18	8	5.0	
	M-2		55	110	16	59.0			310	854		975							
	M		60	140	18	64.0			340	884		1035							
5KTC 250	M-2 M	F 500-I	480	60 65	140	18	64.0 69.0	468	473	410	1007	18	1160	500	450	550	19	8	5.0
4KTC 280	S-2	F 500-I	65	140	18	69.0	489	494	410	1036	18	1191	500	450	550	19	8	5.0	
	S		75			79.5				1036		1191							
	M-2		65			69.0				1096		1251							
	M		75			79.5				1096		1251							
4KTC 315	S-2	F 600-I	617	65	140	18	69.0	544	549	454	1050	22	1210	600	550	660	24	8	6.0
	S			80	170	22	85.5			484	1080		1270						
	MA-2			65	140	18	69.0			454	1220		1380						
	MA			80	170	22	85.5			484	1250		1440						
	MB-2			65	140	18	69.0			454	1220		1380						
	MB			80	170	22	85.5			484	1250		1440						
	L-2			65	140	18	69.0			454	1300		1460						
	L			80	170	22	85.5			484	1330		1520						



Dimensions

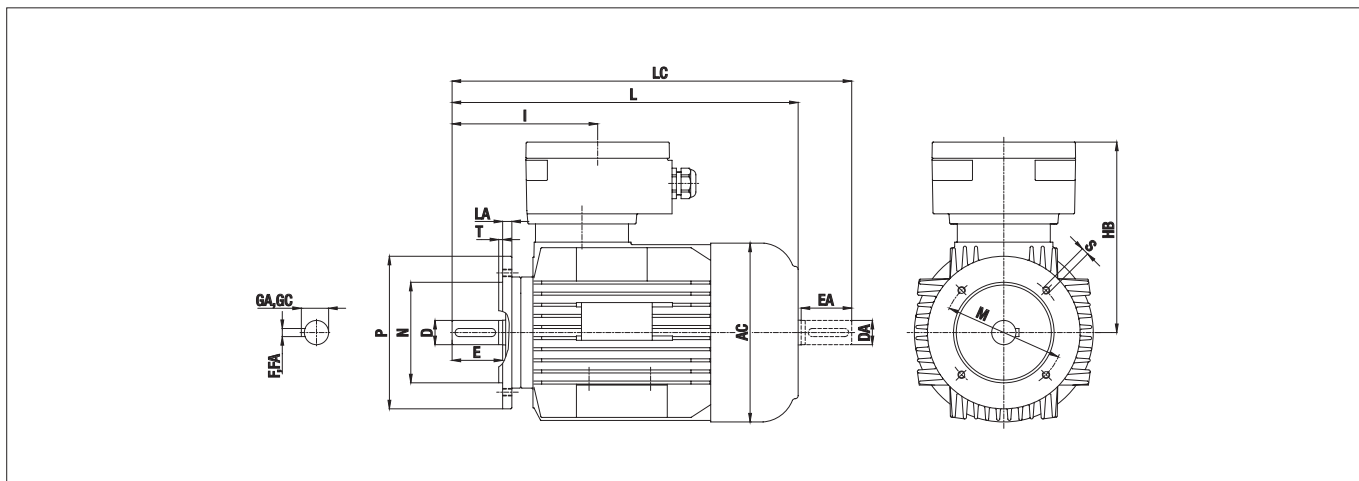
Frame size	Flange	A	AA	AB	AC	B	BA	BB	C	D	E	F	GC	H	HA	HD	HD Ex de	HD Ex d	I	K	L	LA	LC	M	N	P	S	No. of fixing holes
4KTC 63	A, B	F 115-I	100	22	120	124	80	30	106	40	11	23	4	12.5	63	8	210	210	105	7	238	8	266	115	95	140	9	4
4KTC 71	A, B	F 130-I	112	30	140	139	90	30	114	45	14	30	5	16.0	71	10	218	218	113	9	272	10	307	130	110	160	9	4
4KTC 80	A, B	F 165-I	125	32	160	157	100	35	130	50	19	40	6	21.5	80	10	249	249	132	10	319	10	362	165	130	200	12	4
4KTC 90	S L	F 165-I	140	35	180	177	100 125	60	155	56	24	50	8	27.0	90	10	271	271	144	10	363	10	415	165	130	200	12	4
4KTC 100	L	F 215-I	160	45	205	195	140	45	175	63	28	60	8	31.0	100	17	288	288	158	12	418	11	481	215	180	250	14	4
4KTC 112	M	F 215-I	190	50	235	219	140	50	180	70	28	60	8	31.0	112	15	311	311	158	12	442	11	504	215	180	250	14	4
4KTC 132	S M	F 265-I	216	55	266	258	140 178	75	218	89	38	80	10	41.0	132	18	350	350	181	12	536	12	619	265	230	300	14	4
4KTC 160	M L	F 300-I	254	60	312	310	210 254	104	300	108	42	110	12	45.0	160	21	436	436	254	14	669	15	785	300	250	350	18	4
4KTC 180	M-2 L	F 300-I	279	70	350	345	241 279	118	333	121	48	110	14	51.0	180	22	496	496	297	14	707	15	830	300	250	350	18	4
4KTC 200	L	F 350-I	318	80	398	385	305	95	365	133	55	110	16	59.0	200	21	546	546	308	18	790	18	910	350	300	400	18	4
4KTC 225	S M-2 M	F 400-I	356	80	438	433	286 311 311	113	374	149	55 60	140 140	18 18	64.0 59.0 64.0	225	23	589	589	340 310 340	18	854 884	18	975 1035	400	350	450	18	8
5KTC 250	M-2 M	F 500-I	406	100	496	480	349	90	433	168	60 65	140	18	64.0 69.0	250	28	718	723	410	24	1007	18	1160	500	450	550	19	8
4KTC 280	S-2 S M-2 M	F 500-I	457	110	557	537	368 368 419 419	100	454 454 505 505	190	65 75 65 75	140	18 20 18 20	69.0 79.5 69.0 79.5	280	23	769	774	410	24	1036 1036 1096 1096	18	1191 1191 1251 1251	500	450	550	19	8
4KTC 315	S-2 S MA-2 MA MB-2 MB L-2 L	F 600-I	508	120	628	617	406 406 457 457 457 508 508	115	526 526 577 577 577 628 628	216	65 80 65 80 65 80 80	140 170 140 170 140 170 170	18 22 18 22 18 22 22	69.0 85.5 69.0 85.5 69.0 85.5 85.5	315	25	859	864	454 484 454 484 454 484 484	28	1050 1080 1220 1250 1220 1250 1300	22	1210 1270 1380 1440 1380 1460 1520	600	550	660	24	8



**Dimensions**

Frame size	Flange	A	AA	AB	AC	B	BA	BB	C	D	DA	E	EA	F	FA	GC	GA	H	HA	HD	I	K	L	LC	M	N	P	S	No. of fixing holes	T
4KTC 63 A, B	F 75-II F 100-II	100	22	120	124	80	30	106	40	11	23	4	12.5	63	8	210	105	7	238		75	60	90	M5 M6	4	2.5 3.0				
4KTC 71 A, B	F 85-II F 115-II	112	30	140	139	90	30	114	45	14	30	5	16.0	71	10	218	113	9	272	307	85	70	105	M6 M8	4	2.5 3.0				
4KTC 80 A, B	F 100-II F 130-II	125	32	160	157	100	35	130	50	19	40	6	21.5	80	10	249	132	10	319	362	100	80	120	M6 M8	4	3.0 3.5				
4KTC 90 S, L	F 115-II F 130-II	140	35	180	177	100 125	60	155	56	24	50	8	27.0	90	10	271	144	10	363	415	115	95	140	M8 M8	4	3.0 3.5				
4KTC 100 L	F 130-II F 165-II	160	45	205	195	140	45	175	63	28	60	8	31.0	100	17	288	158	12	418	481	130	110	160	M8 M10	4	3.5 3.5				
4KTC 112 M	F 130-II F 165-II	190	50	235	219	140	50	180	70	28	60	8	31.0	112	15	311	158	12	442	504	130	110	160	M8 M10	4	3.5 3.5				





**Dimensions**

Frame size	Flange	AC	D DA	E EA	F FA	GC GA	HB	I	L	LC	M	N	P	S	No. of fixing holes	T
4KTC 63 A, B	F 75-II F 100-II	124	11	23	4	12.5	147	105	238	266	75 100	60 80	90 120	M5 M6	4	2.5 3.0
4KTC 71 A, B	F 85-II F 115-II	139	14	30	5	16.0	147	113	272	307	85 115	70 95	105 140	M6 M8	4	2.5 3.0
4KTC 80 A, B	F 100-II F 130-II	157	19	40	6	21.5	169	132	319	362	100 130	80 110	120 160	M6 M8	4	3.0 3.5
4KTC 90 S, L	F115-II F 130-II	177	24	50	8	27.0	181	144	363	415	115 130	95 110	140 160	M8 M8	4	3.0 3.5
4KTC 100 L	F 130-II F 165-II	195	28	60	8	31.0	188	158	418	481	130 165	110 130	160 200	M8 M10	4	3.5 3.5
4KTC 112 M	F 130-II F 165-II	219	28	60	8	31.0	199	158	442	504	130 165	110 130	160 200	M8 M10	4	3.5 3.5

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Frame sizes	63	71	80	90	100	112	132	160	180	200	225	250	280	315
Special voltage up to 690 V	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special frequency	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Frequency inverter drive	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special power	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Special shaft end	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Free shaft end on NDS-end of motor	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special flange	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Flange made in R acc. to DIN 42955	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Additional greasing								●	●	●	●	●	●	●
Fixed bearing on AS													●	●
2RS bearings	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Oil seal	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Protection class IP 56	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Protection class IP 65	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Protection class IP 66	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Protection cover	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vibrations within R or S limits	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SPM placing								op	op	op	op	op	op	op
Special data plate	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Terminal box with Ex d cable glands	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Tropical version	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Thermal protection of winding	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Thermal protection of bearings								●	●	●	●	●	●	●
Heating of winding against condensation	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heating of winding at temperature lower -20 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Insulation class H	●	●	●	●	●	●	●	●	●	●	●	●	●	●
VIK execution	●	●	●	●	●	●	●	●	●	●	●	●		
Marine execution (LRS)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special colour	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● on request  
op = option

## Ordering data

- Rating in kW
- Voltage and frequency
- Start connection (on-line or star-delta)
- RPM
- Type of motor arrangement
- Type of explosion protection (Gas group and T-classification)
- Mechanical requirements
- Special requirements (i. e. H-class thermal insulation, two-shaft, radial bearing seals).

**BARTEC** GmbH

Max-Eyth-Str. 16  
97980 Bad Mergentheim  
Germany

Phone: +49 7931 597 0  
Fax: +49 7931 597 119  
info@bartec.de  
www.bartec.de

**BARTEC VARNOST** d.o.o.

Cesta 9, avgusta 59  
1410 Zagorje ob Savi  
Slovenia

Phone: +386 59 221 471  
Fax: +386 59 221 470  
info@bartec-varnost.si  
www.bartec-varnost.si