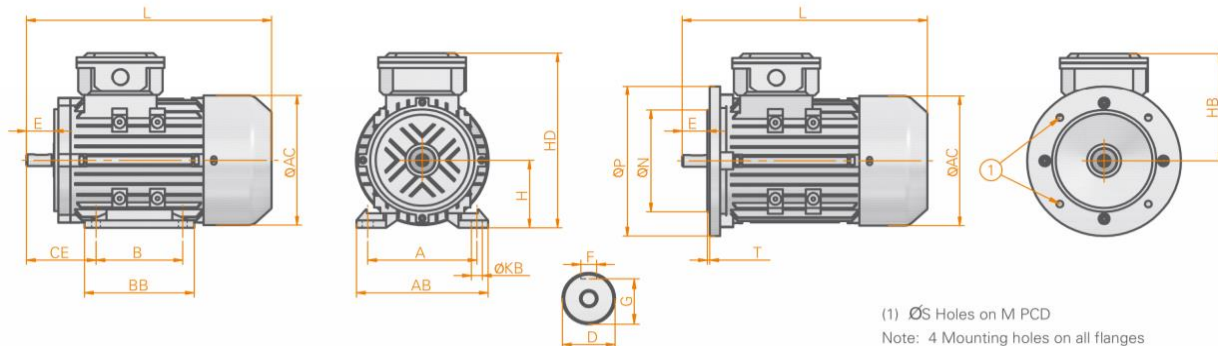


QL Series



Features

- Low voltage TEFC aluminium frame
- Standard efficiency to IEC 60034-30 (IE1)
- 0.12kW up to 18.5kW
- Class F insulation
- 2, 4 and 6 pole motors
- S1 Duty cycle
- B3 Foot Mount / B35 Foot & Flange mounts available
- Conforms to SANS 1804-1/2, IEC 60034-1
- Max operating altitude 1000m.a.s.l.



Frame	A	AB	AC	B	BB	CE	D	E	F	G	H	HB	HD	KB	L	M	N	P	S	T
63	100	135	130	80	100	63	11	23	4	8.5	63	120	183	7	230	115	95	140	10	3
71	112	150	145	90	110	75	14	30	5	11	71	126	197	7	255	130	110	160	10	3
80	125	165	165	100	125	90	19	40	6	15.5	80	145	225	10	295	165	130	200	12	3.5
90S	140	180	173	100	156	106	24	50	8	20	90	155	245	10	320	165	130	200	12	3.5
90L	140	180	173	125	130	106	24	50	8	20	90	155	245	10	345	165	130	200	12	3.5
100L	160	205	195	140	175	123	28	60	8	24	100	180	280	12	385	215	180	250	15	4
112M	190	230	217	140	176	130	28	60	10	24	112	190	302	12	400	215	180	250	15	4
112M*	190	230	217	140	176	130	28	60	10	24	112	190	302	12	445	215	180	250	15	4
132S	216	270	275	140	184	169	38	80	10	33	132	210	342	12	470	265	230	300	15	4
132M	216	270	275	178	223	169	38	80	10	33	132	210	342	12	510	265	230	300	15	4
132M*	216	270	275	178	223	169	38	80	10	33	132	210	342	12	550	265	230	300	15	4
160M	254	320	320	210	260	218	42	110	12	37	160	255	415	15	615	300	250	350	19	5
160L	254	320	320	253	303	218	42	110	12	37	160	255	415	15	670	300	250	350	19	5

112M* Only applicable to 5.5 kW

132M* Only applicable to 9.2 kW.

QL3 Range of Aluminium LV Motors 2 Pole Motors Standard Efficiency (IE 1) - IEC 60034 - 30

Output kW	Frame Size	Type QL3	Speed r/min	Pole	Current at 400 V A	FLT Nm	Efficiency (%) 4/4	Power Factor 4/4	Starting Torque	D.O.L. pu Current	BDT p.u.	Motor Mass kg
0.18	63	060	2720	2	0.50	0.6	65.0	0.80	2.2	5.5	2.2	4.3
0.25	63	063	2720	2	0.66	0.9	68.0	0.81	2.2	5.5	2.2	4.9
0.37	71	070	2740	2	0.94	1.3	70.0	0.81	2.2	6.1	2.2	5.8
0.55	71	073	2740	2	1.33	1.9	73.0	0.82	2.2	6.1	2.3	7
0.75	80	080	2830	2	1.74	2.5	75.0	0.83	2.2	6.1	2.3	10
1.1	80	083	2830	2	2.45	3.7	77.0	0.84	2.2	7.0	2.3	11
1.5	90S	090	2840	2	3.3	5.0	79.0	0.84	2.2	7.0	2.3	14
2.2	90L	093	2840	2	4.6	7.4	81.0	0.85	2.2	7.0	2.3	16
3	100L	101	2870	2	6.0	10.0	83.0	0.87	2.2	7.5	2.3	21
4	112M	112	2890	2	7.7	13.2	85.0	0.88	2.2	7.5	2.3	29
5.5	112M	115	2890	2	10.6	18.2	85.0	0.88	2.2	7.5	2.3	32
5.5	132S	130	2900	2	10.5	18.1	86.0	0.88	2.2	7.5	2.3	40
7.5	132S	131	2900	2	14.2	24.7	87.0	0.88	2.2	7.5	2.3	45
9.2	132M	135	2900	2	18.3	30.3	87.0	0.88	2.2	7.5	2.3	50
11	160M	163	2930	2	20.2	35.9	88.0	0.89	2.2	7.5	2.3	91
15	160M	164	2930	2	27.4	48.9	89.0	0.89	2.2	7.5	2.3	94
18.5	160L	166	2930	2	33.0	60.3	90.0	0.90	2.2	7.5	2.3	115

Locked Rotor Ratios -
Power Factor -
Output -
Speed -
Frame -

Pu Value
Power Factor under different conditions
Rated Output (kW)
Motor Rated speed (r/min)
IEC Frame Size

FLT -
BDT -
LRT -
Type -
Efficiency -

Full Load torque (Nm)
Break Down Torque
Locked Rotor Time (seconds)
Range Type
Efficiency under different conditions

Product SPECIFICATION SHEET

ACTOM

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QL Series

QL3 Range of Aluminium LV Motors 4 Pole Motors Standard Efficiency (IE 1) - IEC 60034 - 30

Output kW	Frame Size	Type QL3	Speed r/min	Pole	Current at 400 V A	FLT Nm	Efficiency (%) 4/4	Power Factor 4/4	D.O.L		BDT p.u.	Motor Mass kg
0.12	63	060	1310	4	0.42	0.9	57.0	0.72	Starting Torque	pu Current	2.2	4.4
0.18	63	063	1310	4	0.59	1.3	60.0	0.73	2.1	4.4	2.2	4.9
0.25	71	070	1330	4	0.75	1.8	65.0	0.74	2.1	5.2	2.2	6
0.37	71	073	1330	4	1.06	2.7	67.0	0.75	2.1	5.2	2.2	6.5
0.55	80	080	1390	4	1.49	3.8	71.0	0.75	2.4	5.2	2.3	10
0.75	80	083	1390	4	1.93	5.2	73.0	0.76	2.3	6.0	2.3	11
1.1	90S	090	1400	4	2.75	7.5	75.0	0.77	2.3	6.0	2.3	15
1.5	90L	093	1400	4	3.5	10.2	78.0	0.79	2.3	6.0	2.3	17
2.2	100L	101	1430	4	4.9	14.7	80.0	0.81	2.3	7.0	2.3	21
3	100L	102	1430	4	6.4	20.0	82.0	0.82	2.3	7.0	2.3	24
4	112M	112	1440	4	8.4	26.5	84.0	0.82	2.3	7.0	2.3	30
5.5	112M	115	1440	4	11.5	36.5	84.0	0.82	2.3	7.0	2.3	38
5.5	132S	130	1440	4	11.1	36.5	85.0	0.83	2.3	7.0	2.3	47
7.5	132M	133	1440	4	14.8	49.7	87.0	0.84	2.3	7.0	2.3	55
9.2	132M	135	1400	4	19.1	62.8	87.0	0.84	2.3	7.0	2.3	60
11	160M	163	1460	4	21.2	71.9	88.0	0.84	2.2	7.0	2.3	97
15	160L	166	1460	4	28.6	98.1	89.0	0.85	2.2	7.5	2.3	113

QL3 Range of Aluminium LV Motors 6 Pole Motors Standard Efficiency (IE 1) - IEC 60034 - 30

Output kW	Frame Size	Type QL3	Speed r/min	Pole	Current at 400 V A	FLT Nm	Efficiency (%) 4/4	Power Factor 4/4	D.O.L		BDT p.u.	Motor Mass kg
0.18	71	070	850	6	0.70	2.0	56.0	0.66	Starting Torque	pu Current	2.0	6.7
0.25	71	073	850	6	0.90	2.8	59.0	0.68	1.9	4.0	2.0	7.3
0.37	80	080	890	6	1.24	4.0	62.0	0.70	1.9	4.7	2.0	9.1
0.55	80	083	890	6	1.70	5.9	65.0	0.72	1.9	4.7	2.1	10
0.75	90S	090	910	6	2.18	7.9	69.0	0.72	2.0	5.5	2.1	15
1.1	90L	093	910	6	3.02	11.5	72.0	0.73	2.0	5.5	2.1	17
1.5	100L	102	940	6	3.74	15.2	76.0	0.75	2.0	5.5	2.1	21
2.2	112M	112	940	6	5.32	22.3	79.0	0.76	2.0	6.5	2.1	28
3	132S	130	960	6	7.0	29.8	81.0	0.76	2.1	6.5	2.1	44
4	132M	133	960	6	9.3	39.8	82.0	0.76	2.1	6.5	2.1	50
5.5	132M	134	960	6	12.3	54.7	84.0	0.77	2.1	6.5	2.1	59
7.5	160M	163	970	6	16.2	73.8	86.0	0.77	2.0	6.5	2.1	93
11	160L	166	970	6	23.0	108.3	87.5	0.78	2.0	6.5	2.1	116

Locked Rotor Ratios -
Power Factor -
Output -
Speed -
Frame -

Pu Value
Power Factor under different conditions
Rated Output (kW)
Motor Rated speed (r/min)
IEC Frame Size

FLT -
BDT -
LRT -
Type -
Efficiency -

Full Load torque (Nm)
Break Down Torque
Locked Rotor Time (seconds)
Range Type
Efficiency under different conditions

BRANCH CONTACT DETAILS

Johannesburg 010 202 3300
Germiston 011 418 9600
Cape Town 021 510 0710
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Sales 010 202 3400
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