

0.06 to 110 kW at 400/415 V: type 1 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker		Contactor
400/415 V			440 V			500 V			Reference	Setting range of thermal trips	Reference (2)
P	I _e	I _q (1)	P	I _e	I _q (1)	P	I _e	I _q (1)		A	
kW	A	kA	kW	A	kA	kW	A	kA			
0.06	0.2	50	0.06	0.19	50	—	—	—	GV2 ME02	0.16...0.25	LC1 K06 or LC1 D09
0.09	0.3	50	0.09	0.28	50	—	—	—	GV2 ME03	0.25...0.40	LC1 K06 or LC1 D09
			0.12	0.37	50						
0.12	0.44	50	—	—	—	—	—	—	GV2 ME04	0.40...0.63	LC1 K06 or LC1 D09
0.18	0.6	50	0.18	0.55	50	—	—	—			
0.25	0.85	50	0.25	0.76	50				GV2 ME05	0.63...1	LC1 K06 or LC1 D09
0.37	1.1	50	0.37	0.99	50						
—	—	—	—	—	—	0.37	0.88	50	GV2 ME06	1...1.6	LC1 K06 or LC1 D09
0.55	1.5	50	0.55	1.36	50	0.55	1.2	50			
—	—	—	—	—	—	0.75	1.5	50	GV2 ME06	1...1.6	LC1 K06 or LC1 D09
0.75	1.9	50	0.75	1.68	50	—	—	—	GV2 ME07	1.6...2.5	LC1 K06 or LC1 D09
—	—	—	1.1	2.37	50	1.1	2.2	50			
1.1	2.7	50	—	—	—	1.5	2.9	50/50	GV2 ME08	2.5...4	LC1 K06 or LC1 D09
1.5	3.6	50	1.5	3.06	50	2.2	3.9				
2.2	4.9	50	2.2	4.42	50	—	—	—	GV2 ME10	4...6.3	LC1 K06 or LC1 D09
—	—	—	3	5.77	50	3	5.2	50			
3	6.5	50	—	—	—	4	6.8	10	GV2 ME14	6...10	LC1 K09 or LC1 D09
4	8.5	50	4	7.9	15	5.5	9.2	10			
5.5	11.5	15	5.5	10.4	8	7.5	12.4	6	GV2 ME16	9...14	LC1 K12 or LC1 D12
7.5	15.5	15	7.5	13.7	8	9	13.9	6	GV2 ME20	13...18	LC1 D18
—	—	—	9	16.9	8	—	—	—			
9	18.1	15	11	20.1	6	11	17.6	4	GV2 ME21	17...23	LC1 D25
11	22	15	—	—	—	15	23	4	GV2 ME22	20...25	LC1 D25
15	29	10	15	26.5	6	18.5	28	4	GV2 ME32	24...32	LC1 D32
18.5	35	50	18.5	32.8	50	22	33	10	GV3 P40	30...40	LC1 D40A
22	41	50	22	39	50	30	44	10	GV3 P50	37...50	LC1 D50A
37	55	50	37	51.5	50	37	53	10	GV3 P65	48...65	LC1 D65A
—	—	—	37	64	25	45	64	18	GV7 RE80	48...80	LC1 D65A
37	66	15	45	76	10	55	78	4	GV3 ME80	56...80	LC1 D80
37	66	25	45	76	25	55	78	18	GV7 RE80	48...80	LC1 D80
45	80	25	—	—	—	—	—	—	GV7 RE100	60...100	LC1 D95
—	—	—	50	90	25	—	—	—	GV7 RE100	60...100	LC1 D115
55	97	25	—	—	—	75	106	30	GV7 RE150	90...150	LC1 D115
75	132	35	75	125	35	90	128	30	GV7 RE150	90...150	LC1 D150
—	—	—	90	146	35	—	—	—	GV7 RE150	90...150	LC1 F185
90	160	35	—	—	—	110	156	30	GV7 RE220	132...220	LC1 F185
—	—	—	—	—	—	132	184	30	GV7 RE220	132...220	LC1 F265
—	—	—	110	178	35	160	224	30			
110	195	35	132	215	35	—	—	—	GV7 RE220	132...220	LC1 F225

(1) The breaking performance of circuit-breakers **GV2 ME** can be increased by adding a current limiter **GV1 L3**, see page 3/11.

(2) For reversing operation, replace the prefix LC1 with LC2.

0.06 to 110 kW at 400/415 V: type 2 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker	Setting range of thermal trips	Contactor
400/415 V			440 V			500 V			Reference		Reference (2)
P	I _e	I _q (1)	P	I _e	I _q (1)	P	I _e	I _q (1)		A	
kW	A	kA	kW	A	kA	kW	A	kA			
0.06	0.2	130	0.06	0.19	130	—	—	—	GV2 P02 or GV2 ME02	0.16...0.25	LC1 D09
—	—	—	0.09	0.28	130	—	—	—	GV2 P03 or GV2 ME03	0.25...0.4	LC1 D09
0.09	0.3	130	0.12	0.37	130	—	—	—	—	—	—
0.12	0.44	130	—	—	—	—	—	—	GV2 P04 or GV2 ME04	0.4...0.63	LC1 D09
0.18	0.6	130	0.18	0.55	130	—	—	—	—	—	—
0.25	0.85	130	0.25	0.76	130	—	—	—	GV2 P05 or GV2 ME05	0.63...1	LC1 D09
0.37	1.1	130	0.37	0.99	130	—	—	—	—	—	—
—	—	—	—	—	—	0.37	0.88	130	GV2 P06 or GV2 ME06	1...1.6	LC1 D09
0.55	1.5	130	0.55	1.36	130	0.55	1.2	130	—	—	—
—	—	—	—	—	—	0.75	1.5	130	GV2 P06 or GV2 ME06	1...1.6	LC1 D09
0.75	1.9	130	0.75	1.68	130	—	—	—	GV2 P07 or GV2 ME07	1.6...2.5	LC1 D09
—	—	—	1.1	2.37	130	1.1	2.2	130	—	—	—
1.1	2.7	130	—	—	—	1.5	2.9	130	GV2 P08 or GV2 ME08	2.5...4	LC1 D09
1.5	3.6	130	1.5	3.06	130	2.2	3.9	130	—	—	—
—	—	—	—	—	—	—	—	—	GV2 P10 or GV2 ME10	4...6.3	LC1 D09
2.2	4.9	130	—	—	—	—	—	—	—	—	—
—	—	—	2.2	4.42	50	—	—	—	GV2 ME10	4...6.3	LC1 D09
—	—	—	3	5.77	50	3	5.2	50	—	—	—
—	—	—	2.2	4.42	130	—	—	—	GV2 P10	4...6.3	LC1 D09
—	—	—	3	5.77	130	3	5.2	130	—	—	—
3	6.5	130	—	—	—	—	—	—	GV2 P14 or GV2 ME14	6...10	LC1 D09
4	8.5	130	—	—	—	—	—	—	—	—	—
—	—	—	4	7.9	15	4	6.8	10	GV2 ME14	6...10	LC1 D09
—	—	—	—	—	—	5.5	9.2	10	—	—	—
—	—	—	—	—	—	4	6.8	50	GV2 P14	6...10	LC1 D12
—	—	—	4	7.9	130	5.5	9.2	50	—	—	—
5.5	11.5	130	5.5	10.4	50	7.5	12.4	42	GV2 P16 or GV2 ME16	9...14	LC1 D25
—	—	—	7.5	13.7	50	9	13.9	42	—	—	—
7.5	15.5	50	9	16.9	20	—	—	—	GV2 P20 or GV2 ME20	13...18	LC1 D25
9	18.1	50	11	20.1	20	11	17.6	10	GV2 P21 or GV2 ME21	17...23	LC1 D25
11	22	50	—	—	—	—	—	—	GV2 P22 or GV2 ME22	20...25	LC1 D25
—	—	—	—	—	—	15	23	10	GV2 P22	20...25	LC1 D32
15	29	35	15	26.5	25	18.5	28	10	GV2 P32 or GV2 ME32	25...40	LC1 D32
18.5	35	50	—	—	—	—	—	—	GV3 P40	30...40	LC1 D50A
—	—	—	18.5	32.8	50	22	33	10	GV3 P40	30...40	LC1 D65A
22	41	50	—	—	—	—	—	—	GV3 P50	37...50	LC1 D50A
—	—	—	22	39	50	30	44	10	GV3 P50	37...50	LC1 D65A
37	55	50	37	51.5	50	—	—	—	GV3 P65	48...65	LC1 D65A
—	—	—	—	—	—	37	53	10	GV3 P65	48...65	LC1 D80
—	—	—	22	39	65	—	—	—	GV7 RS40	25...40	LC1 D80
—	—	—	—	—	—	30	44	50	GV7 RS50	30...50	LC1 D80
—	—	—	—	—	—	37	53	50	GV7 RS80	48...80	LC1 D80
22	41	70	—	—	—	—	—	—	GV7 RS50	30...50	LC1 D80
30	55	70	30	51.5	65	—	—	—	GV7 RS80	48...80	LC1 D80
37	66	70	37	64	65	—	—	—	GV7 RS80	48...80	LC1 D80
—	—	—	45	76	65	—	—	—	GV7 RS80	48...80	LC1 D80
—	—	—	—	—	—	45	64	50	GV7 RS80	48...80	LC1 D115
—	—	—	—	—	—	55	78	50	GV7 RS80	48...80	LC1 D115
45	80	70	—	—	—	—	—	—	GV7 RS100	60...100	LC1 D115
—	—	—	55	90	65	—	—	—	—	—	—
55	97	70	75	125	65	—	—	—	GV7 RS150	90...150	LC1 D150
75	132	70	90	146	65	90	128	50	—	—	—
90	160	70	110	178	65	110	156	50	GV7 RS220	132...220	LC1 F185
110	195	70	132	215	65	—	—	—	GV7 RS220	132...220	LC1 F225
—	—	—	—	—	—	132	184	50	GV7 RS220	132...220	LC1 F265
—	—	—	—	—	—	160	224	50	—	—	—

(1) The breaking performance of circuit-breakers GV2 P can be increased by adding a current limiter GV1 L3, see page 3/11.

(2) Combinations with circuit-breaker GV2 ME are type 2 coordinated only at 400/415 V and 440 V.

(3) For reversing operation, replace the prefix LC1 with LC2.

0.06 to 250 kW at 400/415 V: type 1 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker			Contactor	Thermal overload relay	
400/415 V			440 V			500 V			Reference	Rating	I _{rm} (1)	Reference (2)	Reference	Setting range
P	I _e	I _q	P	I _e	I _q	P	I _e	I _q		A	A			A
kW	A	kA	kW	A	kA	kW	A	kA						
0.06	0.2	50	0.06	0.19	50	–	–	–	GV2 LE03	0.4	5	LC1 K06	LR2 K0302	0.16...0.23
–	–	–	0.09	0.28	50	–	–	–	GV2 LE03	0.4	5	LC1 K06	LR2 K0303	0.23...0.36
0.09	0.3	50	0.12	0.37	50	–	–	–	GV2 LE03	0.4	5	LC1 K06	LR2 K0304	0.36...0.54
0.12	0.44	50	–	–	–	–	–	–	GV2 LE04	0.63	8	LC1 K06	LR2 K0304	0.36...0.54
0.18	0.6	50	0.18	0.55	50	–	–	–	GV2 LE04	0.63	8	LC1 K06	LR2 K0305	0.54...0.8
–	–	–	0.25	0.76	50	–	–	–	GV2 LE05	1	13	LC1 K06	LR2 K0305	0.54...0.8
0.25	0.85	50	–	–	–	–	–	–	GV2 LE05	1	13	LC1 K06	LR2 K0306	0.8...1.2
0.37	1.1	50	0.37	1	50	0.37	0.88	50	GV2 LE05	1	13	LC1 K06	LR2 K0306	0.8...1.2
0.55	1.5	50	0.55	1.36	50	0.55	1.2	50	GV2 LE06	1.6	22.5	LC1 K06	LR2 K0307	1.2...1.8
–	–	–	–	–	–	0.75	1.5	50	GV2 LE06	1.6	22.5	LC1 K06	LR2 K0307	1.2...1.8
–	–	–	0.75	1.68	50	–	–	–	GV2 LE07	2.5	33.5	LC1 K06	LR2 K0307	1.2...1.8
0.75	1.9	50	–	–	–	–	–	–	GV2 LE07	2.5	33.5	LC1 K06	LR2 K0308	1.8...2.6
1.1	2.7	50	1.1	2.37	50	1.1	2.2	50	GV2 LE07	2.5	33.5	LC1 K06	LR2 K0308	1.8...2.6
1.5	3.6	50	1.5	3.06	50	1.5	2.9	50	GV2 LE08	4	51	LC1 K06	LR2 K0310	2.6...3.7
–	–	–	–	–	–	2.2	3.9	50	GV2 LE08	4	51	LC1 K06	LR2 K0312	3.7...5.5
2.2	4.9	50	2.2	4.4	50	3	5.2	50	GV2 LE10	6.3	78	LC1 K06	LR2 K0312	3.7...5.5
–	–	–	3	5.77	50	–	–	–	GV2 LE10	6.3	78	LC1 K06	LR2 K0314	5.5...8
–	–	–	4	7.9	15	–	–	–	GV2 LE14	10	138	LC1 K09	LR2 K0314	5.5...8
3	6.5	50	–	–	–	4	6.8	10	GV2 LE14	10	138	LC1 K09	LR2 K0314	5.5...8
4	8.5	50	–	–	–	–	–	–	GV2 LE14	10	138	LC1 K09	LR2 K0316	8...11.5
5.5	11.5	15	5.5	10.4	8	7.5	12.4	6	GV2 LE16	14	170	LC1 K12	LR2 K0321	10...14
–	–	–	7.5	13.7	8	9	13.9	6	GV2 LE16	14	170	LC1 D18	LRD 21	12...18
7.5	15.5	15	9	16.9	8	–	–	–	GV2 LE20	18	223	LC1 D18	LRD 21	12...18
9	18.1	15	–	–	–	11	17.6	4	GV2 LE22	25	327	LC1 D25	LRD 22	16...24
11	22	15	11	20.1	6	15	23	4	GV2 LE22	25	327	LC1 D25	LRD 22	16...24
15	29	10	15	26.5	6	18.5	28	4	GV2 LE32	32	416	LC1 D32	LRD 32	23...32
18.5	35	50	18.5	32.5	50	22	33	10	GV3 L40	40	560	LC1 D40A	LRD 340	30...40
22	41	50	22	39	50	30	44	10	GV3 L50	50	700	LC1 D50A	LRD 350	37...50

(1) I_{rm}: setting current of the magnetic trip.

(2) For reversing operation, replace the prefix LC1 with LC2.

0.06 to 250 kW at 400/415 V: type 1 coordination (continued)														
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker			Contactor	Thermal overload relay	
400/415 V			440 V			500 V			Reference	Rating	I _{rm} (1)	Reference (2)	Reference	Setting range
P	I _e	I _q	P	I _e	I _q	P	I _e	I _q		A	A			A
kW	A	kA	kW	A	kA	kW	A	kA						
37	55	50	37	51.5	50	37	53	10	GV3 L65	65	910	LC1 D65A	LRD 365	48...65
–	–	–	37	64	50	37	53	10	GV3 L65	65	910	LC1 D65A	LRD 365	48...65
–	–	–	–	–	–	45	64	50	GV3 L65	65	910	LC1 D80	LRD 3361	48...65
37	66	70	45	76	65	55	78	25	NS80HMA	80	1040	LC1 D80	LRD 3363	63...80
45	80	(3)	–	–	–	–	–	–	NS100●MA (3)	100	1300	LC1 D95	LRD 3365	80...104
–	–	–	–	–	–	50	90	(3)	NS100●MA (3)	100	1200	LC1 D115	LRD 4365	80...104
–	–	–	–	–	–	75	106	(3)	NS160●MA (3)	150	1500	LC1 D115	LRD 4367	95...120
55	97	(3)	–	–	–	–	–	–	NS160●MA (3)	150	1350	LC1 D115	LRD 4367	95...120
75	132	(3)	75	125	(3)	90	128	(3)	NS160●MA (3)	150	1800	LC1 D150	LRD 4369	110...140
–	–	–	90	146	(3)	–	–	–	NS160●MA (3)	150	1950	LC1 F185	LR9 F5371	132...220
90	160	(3)	–	–	–	110	156	(3)	NS250●MA (3)	220	2200	LC1 F185	LR9 F5371	132...220
110	195	(3)	–	–	–	–	–	–	NS250●MA (3)	220	2640	LC1 F225	LR9 F5371	132...220
–	–	–	110	178	(3)	–	–	–	NS250●MA (3)	220	2420	LC1 F225	LR9 F5371	132...220
–	–	–	–	–	–	132	184	(3)	NS250●MA (3)	220	2640	LC1 F265	LR9 F5371	132...220
–	–	–	132	215	(3)	–	–	–	NS250●MA (3)	220	2860	LC1 F265	LR9 F5371	132...220
132	230	(3)	–	–	–	–	–	–	NS400●MA (3)	320	3200	LC1 F265	LR9 F7375	200...330
–	–	–	–	–	–	160	224	(3)	NS400●MA (3)	320	2860	LC1 F265	LR9 F7375	200...330
–	–	–	160	256	(3)	–	–	–	NS400●MA (3)	320	3520	LC1 F330	LR9 F7375	200...330
160	280	(3)	200	321	(3)	–	–	–	NS400●MA (3)	320	4160	LC1 F330	LR9 F7375	200...330
–	–	–	–	–	–	200	280	(3)	NS400●MA (3)	320	3840	LC1 F330	LR9 F7375	200...330
–	–	–	–	–	–	220	310	(3)	NS400●MA (3)	320	4160	LC1 F400	LR9 F7379	300...500
200	350	(3)	220	353	(3)	–	–	–	NS630●MA (3)	500	5000	LC1 F400	LR9 F7379	300...500
–	–	–	250	401	(3)	–	–	–	NS630●MA (3)	500	5550	LC1 F400	LR9 F7379	300...500
–	–	–	–	–	–	250	344	(3)	NS630●MA (3)	500	5000	LC1 F400	LR9 F7379	300...500
220	388	(3)	–	–	–	–	–	–	NS630●MA (3)	500	5500	LC1 F400	LR9 F7379	300...500
250	430	(3)	280	470	(3)	315	432	(3)	NS630●MA (3)	500	6000	LC1 F500	LR9 F7379	300...500
–	–	–	–	–	–	355	488	(3)	NS630●MA (3)	500	6500	LC1 F500	LR9 F7381	380...630

(1) I_{rm}: setting current of the magnetic trip.

(2) For reversing operation, replace the prefix LC1 with LC2.

(3) Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I _q (kA)	NS100●MA	NS160●MA and NS250●MA	NS400●MA and NS630●MA
400/415 V	25	70	70
440 V	25	65	65
500 V	18	50	50
660/690 V	8	10	20
Code	N	H	L

0.06 to 250 kW at 400/415 V: type 2 coordination															
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker			Contactor		Thermal overload relay	
400/415 V			440 V			500 V			Reference	Rating	I _{rm} (1)	Reference (2)	Reference	Setting range	
P	I _e	I _q	P	I _e	I _q	P	I _e	I _q							
kW	A	kA	kW	A	kA	kW	A	kA		A	A			A	
0.06	0.2	130	0.06	0.19	130	–	–	–	GV2 L03 or LE03	0.4	5	LC1 D09	L RD 02	0.16...0.25	
0.09	0.3	130	0.09	0.28	130	–	–	–	GV2 L03 or LE03	0.4	5	LC1 D09	L RD 03	0.25...0.40	
–	–	–	0.12	0.37	130	–	–	–							
0.12	0.44	130	–	–	–	–	–	–	GV2 L04 or LE04	0.63	8	LC1 D09	L RD 04	0.4...0.63	
0.18	0.6	130	0.18	0.55	130	–	–	–							
0.25	0.85	130	0.25	0.76	130	–	–	–	GV2 L05 or LE05	1	13	LC1 D09	L RD 05	0.63...1	
0.37	1.1	130	0.37	0.99	130	–	–	–							
–	–	–	–	–	–	0.37	0.88	130	GV2 L05 or LE05	1	13	LC1 D09	L RD 06	1...1.7	
0.55	1.5	130	–	–	–	0.55	1.2	130	GV2 L06 or LE06	1.6	22.5	LC1 D09	L RD 06	1...1.7	
–	–	–	0.55	1.36	130	0.75	1.5	130							
0.75	1.9	130	0.75	1.68	130	1.1	2.2	130	GV2 L07 or LE07	2.5	33.5	LC1 D09	L RD 07	1.6...2.5	
1.1	2.7	130	1.1	2.37	130	1.5	2.9	130	GV2 L08 or LE08	4	51	LC1 D09	L RD 08	2.5...4	
1.5	3.6	130	–	–	–	2.2	3.9	130							
–	–	–	1.5	3.06	130	–	–	–	GV2 L08 or LE08	4	51	LC1 D09	L RD 10	4...6	
2.2	4.9	130	–	–	–	–	–	–	GV2 L10 or LE10	6.3	78	LC1 D09	L RD 10	4...6	
–	–	–	–	–	–	3	5.2	13							
–	–	–	2.2	4.42	50	–	–	–	GV2 LE10	6.3	78	LC1 D09	L RD 10	4...6	
–	–	–	3	5.77	50	3	5.2	50							
–	–	–	2.2	4.42	130	–	–	–	GV2 L10	6.3	78	LC1 D09	L RD 10	4...6	
–	–	–	3	5.77	130	3	5.2	130							
3	6.5	130	–	–	–	–	–	–	GV2 L14 or LE14	10	10	LC1 D09	L RD 12	5.5...8	
–	–	–	–	–	–	4	6.8	10	GV2 LE14	10	138	LC1 D12	L RD 12	5.5...8	
–	–	–	–	–	–	4	6.8	50	GV2 L14	10	138	LC1 D12	L RD 12	5.5...8	
4	8.5	130	–	–	–	–	–	–	GV2 L14 or LE14	10	138	LC1 D09	L RD 14	7...10	
–	–	–	4	7.9	15	–	–	–	GV2 LE14	10	138	LC1 D09	L RD 14	7...10	
–	–	–	4	7.9	130	–	–	–	GV2 L14	10	138	LC1 D09	L RD 14	7...10	
–	–	–	–	–	–	5.5	9.2	10	GV2 LE14	10	138	LC1 D09	L RD 14	7...10	
–	–	–	–	–	–	5.5	9.2	50	GV2 L14	10	138	LC1 D09	L RD 14	7...10	
5.5	11.5	130	5.5	10.4	50	7.5	12.4	42	GV2 L16	14	170	LC1 D25	L RD 16	9...13	
–	–	–	7.5	13.7	50	–	–	–	GV2 L16	14	170	LC1 D25	L RD 21	12...18	
7.5	15.5	50	9	16.9	20	9	13.9	42	GV2 L20	18	223	LC1 D25	L RD 21	12...18	
9	18.1	50	–	–	–	–	–	–	GV2 L22	25	327	LC1 D25	L RD 22	16...24	
11	22	50	11	20.1	20	–	–	–							
–	–	–	–	–	–	11	17.6	10	GV2 L22	25	327	LC1 D32	L RD 22	16...24	
–	–	–	–	–	–	15	23	10							
15	29	50	15	26.5	50	–	–	–	GV3 L32	32	448	LC1 D40A	L RD 332	23...32	
–	–	–	–	–	–	18.5	28	10	GV3 L32	32	448	LC1 D65A	L RD 332	23...32	

(1) I_{rm}: setting current of the magnetic trip.

(2) For reversing operation, replace the prefix LC1 with LC2.

0.06 to 250 kW at 400/415 V: type 2 coordination (continued)														
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit-breaker			Contactor	Thermal overload relay	
400/415 V			440 V			500 V			Reference	Rating	I _{rm} (1)	Reference (2)	Reference	Setting range
P	I _e	I _q	P	I _e	I _q	P	I _e	I _q		A	A			A
kW	A	kA	kW	A	kA	kW	A	kA						
18.5	35	50	–	–	–	–	–	–	GV3 L40	40	560	LC1 D50A	LRD 340	30...40
–	–	–	18.5	32.5	50	–	–	–	GV3 L40	40	560	LC1 D65A	LRD 340	30...40
22	41	50	–	–	–	–	–	–	GV3 L50	50	700	LC1 D50A	LRD 350	37...50
–	–	–	22	39	50	30	44	10	GV3 L50	50	700	LC1 D65A	LRD 350	37...50
37	55	50	37	51.5	50	–	–	–	GV3 L65	65	910	LC1 D65A	LRD 365	48...65
–	–	–	37	64	50	37	53	10	GV3 L65	65	910	LC1 D80	LRD 3359	48...65
37	66	70	45	76	65	–	–	–	NS80HMA	80	1000	LC1 D80	LRD 3363	63...80
–	–	–	–	–	–	55	78	(3)	NS100●MA (3)	100	1040	LC1 D80	LRD 3363	63...80
45	80	(3)	55	90	(3)	–	–	–	NS100●MA (3)	100	1300	LC1 D115	LR9 D5367	60...100
55	97	(3)	–	–	–	–	–	–	NS160●MA (3)	150	1500	LC1 D115	LR9 D5369	90...150
–	–	–	–	–	–	75	106	(3)	NS160●MA (3)	150	1050	LC1 D115	LR9 D5369	90...150
75	132	(3)	75	125	(3)	–	–	–	NS160●MA (3)	150	1950	LC1 D150	LR9 D5369	90...150
–	–	–	90	146	(3)	–	–	–	NS160●MA (3)	150	1950	LC1 D150	LR9 D5369	90...150
–	–	–	–	–	–	90	128	(3)	NS160●MA (3)	150	1200	LC1 D150	LR9 D5369	90...150
90	160	(3)	110	178	(3)	–	–	–	NS250●MA (3)	220	2420	LC1 F185	LR9 F5371	132...220
–	–	–	–	–	–	110	156	(3)	NS250●MA (3)	220	1540	LC1 F185	LR9 F5371	132...220
110	195	(3)	–	–	–	–	–	–	NS250●MA (3)	220	2860	LC1 F225	LR9 F5371	132...220
–	–	–	132	215	(3)	132	184	(3)	NS250●MA (3)	220	2200	LC1 F265	LR9 F5371	132...220
132	230	(3)	160	256	(3)	–	–	–	NS400●MA (3)	320	3520	LC1 F265	LR9 F7375	200...330
–	–	–	–	–	–	160	224	(3)	NS400●MA (3)	320	2200	LC1 F265	LR9 F7375	200...330
160	280	(3)	–	–	–	–	–	–	NS400●MA (3)	320	4000	LC1 F330	LR9 F7375	200...330
–	–	–	200	321	(3)	–	–	–	NS400●MA (3)	320	4000	LC1 F330	LR9 F7379	300...500
–	–	–	–	–	–	200	280	(3)	NS400●MA (3)	320	3500	LC1 F400	LR9 F7375	200...330
–	–	–	–	–	–	220	310	(3)	NS400●MA (3)	320	3500	LC1 F400	LR9 F7379	300...500
–	–	–	220	353	(3)	–	–	–	NS630●MA (3)	500	5500	LC1 F400	LR9 F7379	300...500
200	350	(3)	250	401	(3)	–	–	–	NS630●MA (3)	500	4500	LC1 F500	LR9 F7379	300...500
–	–	–	–	–	–	250	344	(3)	NS630●MA (3)	500	4500	LC1 F500	LR9 F7379	300...500
–	–	–	–	–	–	315	432	(3)	NS630●MA (3)	500	6250	LC1 F500	LR9 F7379	300...500
220	388	(3)	–	–	–	–	–	–	NS630●MA (3)	500	6250	LC1 F500	LR9 F7379	300...500
250	430	(3)	–	–	–	–	–	–	NS630●MA (3)	500	6250	LC1 F500	LR9 F7379	300...500
–	–	–	–	–	–	355	488	(3)	NS630●MA (3)	500	5000	LC1 F630	LR9 F7381	380...630

(1) I_{rm}: setting current of the magnetic trip.

(2) For reversing operation, replace the prefix LC1 with LC2.

(3) Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I _q (kA)	NS100●MA	NS160●MA and NS250●MA	NS400●MA and NS630●MA
400/415 V	25	70	36
440 V	25	65	35
500 V	18	50	30
660/690 V	8	10	8
Code	N	H	N

0.06 to 55 kW at 400/415 V: type 1 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Fuse carrier (1) (basic block)	aM fuses		Contactor	Thermal overload relay class 10	
400/415 V		440 V		500 V		Reference	Size	Rating	Reference (2)	Reference	Setting range
P	Ie	P	Ie	P	Ie						
kW	A	kW	A	kW	A			A			A
0.06	0.2	0.06	0.19	–	–	LS1 D32	10 x 38	2	LC1 K06	LR2 K0302	0.16...0.23
–	–	0.09	0.28	–	–	LS1 D32	10 x 38	2	LC1 K06	LR2 K0303	0.23...0.36
0.09	0.3	–	–	–	–						
0.12	0.44	0.12	0.37	–	–	LS1 D32	10 x 38	2	LC1 K06	LR2 K0304	0.36...0.54
0.18	0.6	0.18	0.55	–	–						
–	–	0.25	0.76	–	–	LS1 D32	10 x 38	2	LC1 K06	LR2 K0305	0.54...0.8
0.25	0.85	–	–	–	–						
0.37	1.1	0.37	1	0.37	0.88	LS1 D32	10 x 38	2	LC1 K06	LR2 K0306	0.8...1.2
0.55	1.5	0.55	1.36	0.55	1.2						
–	–	0.75	1.68	0.75	1.5	LS1 D32	10 x 38	2	LC1 K06	LR2 K0307	1.2...1.8
0.75	1.9	–	–	1.1	2.2						
1.1	2.7	1.1	2.37	1.5	2.9	LS1 D32	10 x 38	4	LC1 K06	LR2 K0308	1.8...2.6
1.5	3.6	1.5	3.06	–	–	LS1 D32	10 x 38	4	LC1 K06	LR2 K0310	2.6...3.7
2.2	4.9	–	–	2.2	3.9						
–	–	–	–	3	5.2	LS1 D32	10 x 38	6	LC1 K06	LR2 K0312	3.7...5.5
–	–	2.2	4.42	–	–	LS1 D32	10 x 38	8	LC1 K06	LR2 K0312	3.7...5.5
3	6.5	3	5.77	4	6.8	LS1 D32	10 x 38	8	LC1 K09	LR2 K0314	5.5...8
4	8.5	4	7.9	5.5	9.2	LS1 D32	10 x 38	12	LC1 K09	LR2 K0316	8...11.5

(1) For breaking under load, add a rotary switch-disconnector.

(2) For reversing operation, replace the prefix LC1 with LC2.

0.06 to 55 kW at 400/415 V: type 1 coordination (continued)											
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Fuse carrier (1) (basic block)	aM fuses		Contactor	Thermal overload relay classe 10	
400/415 V		440 V		500 V		Reference	Size	Rating	Reference (2)	Reference	Setting range
P	I _e	P	I _e	P	I _e						
kW	A	kW	A	kW	A			A			A
5.5	11.5	5.5	10.4	7.5	12.4	LS1 D32	10 x 38	16	LC1 K12	LR2 K0321	10...14
7.5	15.5	7.5	13.7	9	13.9	LS1 D32	10 x 38	16	LC1 D18	LRD 21	12...18
–	–	9	16.9	–	–	LS1 D32	10 x 38	20	LC1 D25	LRD 21	12...18
9	18.1	–	–	11	17.6	GK1 EK	14 x 51	25	LC1 D25	LRD 22	16...24
11	22	11	20.1	15	23						
15	29	15	26.5	18.5	28	GK1 EK	14 x 51	32	LC1 D32	LRD 32	23...32
18.5	35	18.5	32.8	22	33	GK1 EK	14 x 51	40	LC1 D40	LRD 3355	30...40
22	41	22	39	30	44	GK1 FK	22 x 58	50	LC1 D50	LRD 3357	37...50
–	–	30	51.5	–	–	GK1 FK	22 x 58	80	LC1 D50	LRD 3359	48...65
–	–	–	–	37	53	GK1 FK	22 x 58	80	LC1 D65	LRD 3359	48...65
30	55	37	64	–	–	GK1 FK	22 x 58	80	LC1 D65	LRD 3361	55...70
–	–	–	–	45	64	GK1 FK	22 x 58	80	LC1 D80	LRD 3361	55...70
37 (3)	66	45	76	–	–	GK1 FK	22 x 58	100	LC1 D80	LRD 3363	63...80
45	80	–	–	55	78	GK1 FK	22 x 58	100	LC1 D95	LRD 3365	80...93
–	–	55	90	–	–	GK1 FK	22 x 58	125	LC1 D115	LRD 4365	80...104
55	97	–	–	75	106	GK1 FK	22 x 58	125	LC1 D115	LRD 4367	95...120

(1) For breaking under load, add a rotary switch-disconnector.

(2) For reversing operation, replace the prefix LC1 with LC2.

(3) 400 V maximum.

0.06 to 315 kW at 400/415 V: type 2 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Switch-disconnector	aM fuses		Contactor	Thermal overload relay classe 10	
400/415 V		440 V		500 V		Reference (1)	Size	Rating	Reference (2)	Reference	Setting range
P	I _e	P	I _e	P	I _e						
kW	A	kW	A	kW	A			A			A
0.06	0.2	0.06	0.19	—	—	GS1 DD	10 x 38	2	LC1 D09	LRD 02	0.16...0.25
—	—	0.09	0.28	—	—	GS1 DD	10 x 38	2	LC1 D09	LRD 03	0.25...0.4
0.09	0.3	—	—	—	—						
0.12	0.44	0.12	0.37	—	—	GS1 DD	10 x 38	2	LC1 D09	LRD 04	0.4...0.63
0.18	0.6	0.18	0.55	—	—						
—	—	0.25	0.76	—	—	GS1 DD	10 x 38	2	LC1 D09	LRD 05	0.63...1
0.25	0.85	—	—	0.37	0.88						
0.37	1.1	0.37	1	0.55	1.2						
0.55	1.5	0.55	1.36	0.75	1.5	GS1 DD	10 x 38	2	LC1 D09	LRD 06	1...1.7
0.75	1.9	0.75	1.68	—	—						
—	—	1.1	2.37	1.1	2.2	GS1 DD	10 x 38	4	LC1 D09	LRD 07	1.6...2.5
1.1	2.7	—	—	1.5	2.9						
1.5	3.6	1.5	3.06	2.2	3.9	GS1 DD	10 x 38	4	LC1 D09	LRD 08	2.5...4
2.2	4.9	2.2	4.42	3	5.2	GS1 DD	10 x 38	6	LC1 D09	LRD 10	4...6
3	6.5	3	5.77	4	6.8	GS1 DD	10 x 38	8	LC1 D09	LRD 12	5.5...8
4	8.5	4	7.9	5.5	9.2	GS1 DD	10 x 38	10	LC1 D09	LRD 14	7...10
5.5	11.5	5.5	10.4	7.5	12.4	GS1 DD	10 x 38	16	LC1 D12	LRD 16	9...13
7.5	15.5	7.5	13.7	9	13.9	GS1 DD	10 x 38	16	LC1 D18	LRD 21	12...18
—	—	9	16.9	—	—	GS● F	14 x 51	20	LC1 D25	LRD 21	12...18
9	18.1	11	20.1	11	17.6						
11	22	—	—	15	23	GS● F	14 x 51	25	LC1 D25	LRD 22	16...24
15	29	15	26.5	18.5	28	GS● F	14 x 51	3	LC1 D32	LRD 32	23...32
18.5	35	18.5	32.8	22	33	GS● F	14 x 51	40	LC1 D40A	LRD 340	30...40
22	41	22	39	30	44	GS● J	22 x 58	50	LC1 D50A	LRD 350	37...50
—	—	30	51.5	—	—	GS● J	22 x 58	80	LC1 D65A	LRD 365	48...65
—	—	—	—	37	53	GS● J	22 x 58	80	LC1 D65A	LRD 365	48...65
30	55	37	64	—	—	GS● J	22 x 58	80	LC1 D65A	LRD 365	48...65
—	—	—	—	45	64	GS● J	22 x 58	80	LC1 D95	LRD 3361	55...70
37	66	45	76	—	—	GS● J	22 x 58	100	LC1 D80	LRD 3363	63...80
—	—	—	—	55	78	GS● J	22 x 58	100	LC1 D115	LR9 D5367	60...100
45	80	—	—	—	—	GS● J	22 x 58	100	LC1 D95	LRD 3365	80...93
55	97	55	90	75	106	GS● L	T0	125	LC1 D150	LR9 D5369	90...150
75	132	75	125	90	128	GS● L	T0	160	LC1 D150	LR9 D5369	90...150
90	160	90	146	110	156	GS● N	T1	200	LC1 F185	LR9 F5371	132...220
110	195	110	178	132	184	GS● N	T1	250	LC1 F225	LR9 F5371	132...220
132	230	132	215	160	224	GS● QQ	T2	315	LC1 F265	LR9 F7375	200...330
—	—	160	256	—	—	GS● QQ	T2	315	LC1 F330	LR9 F7375	200...330
160	280	200	321	200	280	GS● QQ	T2	400	LC1 F330	LR9 F7375	200...330
—	—	—	—	220	310	GS● QQ	T2	400	LC1 F400	LR9 F7375	200...330
200	350	—	—	—	—						
220	388	220	353	250	344	GS2 S	T3	500	LC1 F400	LR9 F7379	300...500
250	430	250	401	—	—	GS2 S	T3	500	LC1 F500	LR9 F7379	300...500
—	—	—	—	315	432						
—	—	—	—	355	488	GS2 S	T3	630	LC1 F500	LR9 F7381	380...630
315	540	315	505	—	—	GS2 S	T3	630	LC1 F630	LR9 F7381	380...630
—	—	355	549	—	—						
—	—	400	611	400	552	GS2 V	T4	800	LC1 F630	LR9 F7381	380...630

(1) GS●: GS1 for direct operator or GS2 for external operator.

(2) For reversing operation, replace the prefix LC1 with LC2.

0.75 to 400 kW at 690 V: type 2 coordination							
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3		Switch-disconnector	aM fuses		Contactor	Thermal overload relay classe 10	
P	I _e	Reference (1)	Size	Rating	Reference (2)	Reference	Setting range
kW	A			A			A
0.75	1.1	GS● F	14 x 51	2	LC1 D09	LRD 06	1...1.6
1.1	1.6	GS● F	14 x 51	2	LC1 D09	LRD 06	1...1.6
1.5	2.1	GS● F	14 x 51	4	LC1 D09	LRD 07	1.6...2.5
2.2	2.8	GS● F	14 x 51	4	LC1 D09	LRD 08	2.5...4
3	3.8	GS● F	14 x 51	6	LC1 D09	LRD 08	2.5...4
4	4.9	GS● F	14 x 51	6	LC1 D09	LRD 10	4...6
5.5	6.7	GS● F	14 x 51	8	LC1 D09	LRD 12	5.5...8
7.5	8.9	GS● F	14 x 51	10	LC1 D25	LRD 16	9...13
11	12.8	GS● F	14 x 51	16	LC1 D25	LRD 16	9...13
15	17	GS● F	14 x 51	20	LC1 D25	LRD 22	16...24
18.5	21	GS● F	14 x 51	25	LC1 D32	LRD 22	16...24
22	24	GS● F	14 x 51	32	LC1 D40A	LRD 332	23...32
30	32	GS● F	14 x 51	40	LC1 D40A	LRD 340	30...40
37	39	GS● F	14 x 51	50	LC1 D65A	LRD 350	37...50
45	47	GS● J	22 x 58	63	LC1 D80	LR2 D3357	37...50
55	57	GS● J	22 x 58	80	LC1 D115	LR2 D3359	48...65
75	77	GS● KK	T00	100	LC1 D115	LR2 D3363	63...80
90	93	GS● KK	T00	125	LC1 D150	LR9 D5369	90...150
110	113	GS● KK	T00	125	LC1 F185	LR9 D5369	90...150
132	134	GS● L	T0	160	LC1 F265	LR9 F5371	132...220
160	162	GS● N	T1	200	LC1 F265	LR9 F5371	132...220
200	203	GS● N	T1	250	LC1 F330	LR9 F7375	200...330
220	224	GS● QQ	T2	250	LC1 F400	LR9 F7375	200...330
250	250	GS● QQ	T2	315	LC1 F400	LR9 F7375	200...330
315	313	GS● QQ	T2	355	LC1 F500	LR9 F7379	300...500
355	354	GS● QQ	T2	400	LC1 F630	LR9 F7379	300...500
400	400	GS2 S	T3	500	LC1 F630	LR9 F7379	300...500

(1) GS●: GS1 for direct operator or GS2 for external operator.

(2) For reversing operation, replace the prefix LC1 with LC2.