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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									Reference	Setting range of thermal trips	Reference (2)
440 V			500 V								
P	le	Iq (1)	P	le	Iq (1)	P	le	Iq (1)			
kW	A	kA	kW	A	kA	kW	A	kA	A		
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 0.12	0.28 0.37	50 50	–	–	–	GV2 ME03	0.25...0.40	LC1 K06 or LC1 D09
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										Circuit-breaker Reference	Setting range of thermal trips A	Contactor Reference (2)
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3												
400/415 V			440 V			500 V						
P	I _e	I _q (1)	P	I _e	I _q (1)	P	I _e	I _q (1)				
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.

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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

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	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 LE06	1.6	22.5	LC1 K06	LR2 K0307	1.2...1.8
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 LE07	2.5	33.5	LC1 K06	LR2 K0307	1.2...1.8
-	-	-	0.75	1.68	50	-	-	-	GV2 LE07	2.5	33.5	LC1 K06	LR2 K0308	1.8...2.6
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 LE08	4	51	LC1 K06	LR2 K0310	2.6...3.7
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							
kW	A	kA	kW	A	kA	kW	A	kA	A	A	A	A	A		
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	130
440 V	25	65	130
500 V	18	50	70
660/690 V	8	10	35
Code	N	H	L

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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

400/415 V									Circuit-breaker			Contactor	Thermal overload relay	
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	LRD 02	0.16...0.25
0.09	0.3	130	0.09	0.28	130	-	-	-	GV2 L03 or LE03	0.4	5	LC1 D09	LRD 03	0.25...0.40
-	-	-	0.12	0.37	130	-	-	-						
0.12	0.44	130	-	-	-	-	-	-	GV2 L04 or LE04	0.63	8	LC1 D09	LRD 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	LRD 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	LRD 06	1...1.7
0.55	1.5	130	-	-	-	0.55	1.2	130	GV2 L06 or LE06	1.6	22.5	LC1 D09	LRD 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	LRD 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	LRD 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	LRD 10	4...6
2.2	4.9	130	-	-	-	-	-	-	GV2 L10 or LE10	6.3	78	LC1 D09	LRD 10	4...6
-	-	-	-	-	-	3	5.2	13						
-	-	-	2.2	4.42	50	-	-	-	GV2 LE10	6.3	78	LC1 D09	LRD 10	4...6
-	-	-	3	5.77	50	3	5.2	50						
-	-	-	2.2	4.42	130	-	-	-	GV2 L10	6.3	78	LC1 D09	LRD 10	4...6
-	-	-	3	5.77	130	3	5.2	130						
3	6.5	130	-	-	-	-	-	-	GV2 L14 or LE14	10	10	LC1 D09	LRD 12	5.5...8
-	-	-	-	-	-	4	6.8	10	GV2 LE14	10	138	LC1 D12	LRD 12	5.5...8
-	-	-	-	-	-	4	6.8	50	GV2 L14	10	138	LC1 D12	LRD 12	5.5...8
4	8.5	130	-	-	-	-	-	-	GV2 L14 or LE14	10	138	LC1 D09	LRD 14	7...10
-	-	-	4	7.9	15	-	-	-	GV2 LE14	10	138	LC1 D09	LRD 14	7...10
-	-	-	4	7.9	130	-	-	-	GV2 L14	10	138	LC1 D09	LRD 14	7...10
-	-	-	-	-	-	5.5	9.2	10	GV2 LE14	10	138	LC1 D09	LRD 14	7...10
-	-	-	-	-	-	5.5	9.2	50	GV2 L14	10	138	LC1 D09	LRD 14	7...10
5.5	11.5	130	5.5	10.4	50	7.5	12.4	42	GV2 L16	14	170	LC1 D25	LRD 16	9...13
-	-	-	7.5	13.7	50	-	-	-	GV2 L16	14	170	LC1 D25	LRD 21	12...18
7.5	15.5	50	9	16.9	20	9	13.9	42	GV2 L20	18	223	LC1 D25	LRD 21	12...18
9	18.1	50	-	-	-	-	-	-	GV2 L22	25	327	LC1 D25	LRD 22	16...24
11	22	50	11	20.1	20	-	-	-						
-	-	-	-	-	-	11	17.6	10	GV2 L22	25	327	LC1 D32	LRD 22	16...24
-	-	-	-	-	-	15	23	10						
15	29	50	15	26.5	50	-	-	-	GV3 L32	32	448	LC1 D40A	LRD 332	23...32
-	-	-	-	-	-	18.5	28	10	GV3 L32	32	448	LC1 D65A	LRD 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						
kW	A	kA	kW	A	kA	kW	A	kA	A	A			A	
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	4500	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	130
440 V	25	65	130
500 V	18	50	70
660/690 V	8	10	35
Code	N	H	L

1

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) Reference	aM fuses		Contactor Reference (2)	Thermal overload relay class 10	
400/415 V		440 V		500 V			Size	Rating		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	–	–	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	–	–	–	–	LS1 D32	10 x 38 2	LC1 K06	LR2 K0304	0.36...0.54	
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	–	–	LS1 D32	10 x 38 2	LC1 K06	LR2 K0305	0.54...0.8	
–	–	0.25	0.76	–	–	LS1 D32	10 x 38 2	LC1 K06	LR2 K0305	0.54...0.8	
0.25	0.85	–	–	–	–	LS1 D32	10 x 38 2	LC1 K06	LR2 K0306	0.8...1.2	
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	LS1 D32	10 x 38 2	LC1 K06	LR2 K0307	1.2...1.8	
–	–	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	LS1 D32	10 x 38 4	LC1 K06	LR2 K0308	1.8...2.6	
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	LS1 D32	10 x 38 6	LC1 K06	LR2 K0312	3.7...5.5	
–	–	–	–	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	le	P	le	P	le						
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						
11	22	11	20.1	15	23	GK1 EK	14 x 51	25	LC1 D25	LRD 22	16...24
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.

1

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 Reference (1)	aM fuses		Contactor Reference (2)	Thermal overload relay classe 10	
400/415 V		440 V		500 V			Size	Rating		Reference	Reference
P	I _e	P	I _e	P	I _e	A			A		
kW	A	kW	A	kW	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		Contactors	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.

1

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

Maximum operating rate: LC3 K: 12 starts/hour; LC3 D: 30 starts/hour.
Maximum starting time: 30 seconds.

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3								Circuit-breaker	Star-delta contactors	
400/415 V				440 V				Reference	Setting range of thermal trips	Reference
P	I _e	I _{rD} (1)	I _q (2)	P	I _e	I _{rD} (1)	I _q (2)		A	
kW	A	A	kA	kW	A	A	kA			
1.5	3.6	2	50	1.5	3.06	1.8	50	GV2 ME08	2.5...4	LC3 K06
2.2	4.9	2.9	50	2.2	4.42	2.6	50	GV2 ME10	4...6.3	LC3 K06
–	–	–	–	3	5.77	3.3	50			
3	6.5	3.8	50	–	–	–	–	GV2 ME14	6...10	LC3 K06
4	8.5	4.9	50	4	7.9	4.6	15			
5.5	11.5	6.4	15	5.5	10.4	6	8	GV2 ME16	9...14	LC3 K06
7.5	15.5	8.6	15	7.5	13.7	7.9	8	GV2 ME20	13...18	LC3 K09
–	–	–	–	9	16.9	9.8	8	GV2 ME20	13...18	LC3 D12A
9	18.1	10	15	11	20.1	12	6	GV2 ME21	17...23	LC3 D12A
11	22	12	15	–	–	–	–	GV2 ME22	20...25	LC3 D12A
15	29	17	10	15	26.5	15	6	GV2 ME32	24...32	LC3 D18A
18.5	35	20	50	18.5	32.8	19	50	GV3 P40	30...40	LC3 D18A
–	–	–	–	22	39	23	50	GV3 P50	37...50	LC3 D32A
22	41	24	50	30	51.5	30	50	GV3 P50	37...50	LC3 D32A
30	55	33	50	30	51.5	30	50	GV3 P65	48...65	LC3 D32A
37	66	40	50	37	64	37	50	GV3 P65	48...65	3 x LC1 D40A (3)
37	66	40	25	37	64	37	25	GV7 RE80	48...80	3 x LC1 D40A (3)
–	–	–	–	45	76	44	10	GV3 ME80	56...80	2 x LC1 D50A + 1 x LC1 D40A (3)
–	–	–	–	45	76	44	25	GV7 RE80	48...80	2 x LC1 D50A + 1 x LC1 D40A (3)
45	80	47	25	–	–	–	–	GV7 RE100	60...100	2 x LC1 D50A + 1 x LC1 D40A (3)
55	97	58	25	55	90	52	25			
75	132	78	35	75	125	72	35	GV7 RE150	90...150	LC3 D80
–	–	–	–	90	146	84	35	GV7 RE150	90...150	LC3 D115
90	160	95	35	110	178	103	35	GV7 RE220	132...220	LC3 D115
110	195	115	35	–	–	–	–			
–	–	–	–	132	215	124	35	GV7 RE220	132...220	LC3 D150

(1) I_{rD}: current in the motor windings in delta connection.

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

(3) For mounting 3 contactors **LC1 D●●A**, star-delta starter kit **LAD 9SD3** must be ordered separately, see page 5/76.

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

Maximum operating rate: LC1 D: 30 starts/hour; LC1 F: 12 starts/hour.

Maximum starting time: LC1 D: 30 seconds; LC1 F: 20 seconds.

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3						Circuit-breaker		Star-delta contactors
400/415 V			440 V			Reference	Setting range of thermal trips	Reference
P	I _e	I _q	P	I _e	I _q (1)		A	
kW	A	kA	kW	A	kA			
1.5	3.6	130	1.5	3.06	130	GV2 P08	2.5...4	3 x LC1 D09 (2)
2.2	4.9	130	2.2	4.42	130	GV2 P10	4...6.3	3 x LC1 D18 (3)
–	–	–	3	5.77	130	GV2 P10	4...6.3	3 x LC1 D18 (3)
3	6.5	130	–	–	–	GV2 P14	6...10	3 x LC1 D18 (3)
4	8.5	130	4	7.9	130	GV2 P14	6...10	3 x LC1 D18 (3)
5.5	11.5	130	5.5	10.4	50	GV2 P16	9...14	3 x LC1 D25 (3)
–	–	–	7.5	13.7	50	GV2 P16	9...14	3 x LC1 D25 (3)
7.5	15.5	50	9	16.9	20	GV2 P20	13...18	3 x LC1 D25 (3)
9	18.1	50	11	20.1	20	GV2 P21	17...23	3 x LC1 D25 (3)
11	22	50	–	–	–	GV2 P22	20...25	3 x LC1 D25 (3)
15	29	50	15	26.5	50	GV3 P32	23...32	3 x LC1 D40A (4)
18.5	35	50	–	–	–	GV3 P40	30...40	2 x LC1 D50A + 1 x LC1 D40A (3)
–	–	–	18.5	32.8	50	GV3 P40	30...40	2 x LC1 D65A + 1 x LC1 D40A (4)
22	41	50	–	–	–	GV3 P50	37...50	2 x LC1 D50A + 1 x LC1 D40A (3)
–	–	–	22	39	50	GV3 P50	37...50	2 x LC1 D65A + 1 x LC1 D40A (4)
30	55	50	30	51.5	50	GV3 P65	48...65	2 x LC1 D65A + 1 x LC1 D40A (4)
37	66	70	37	64	65	GV7 RS80	48...80	3 x LC1 D80 (5)
–	–	–	45	76	65	GV7 RS80	48...80	3 x LC1 D80 (5)
45	80	70	–	–	–	GV7 RS100	60...100	3 x LC1 D115 (6)
55	97	70	55	90	65	GV7 RS100	60...100	3 x LC1 D115 (6)
75	132	70	75	125	65	GV7 RS150	90...150	3 x LC1 D150 (6)
–	–	–	90	146	65	GV7 RS150	90...150	3 x LC1 D150 (6)
90	160	70	110	178	65	GV7 RS220	132...220	3 x LC1 F185 (7)
110	195	70	132	215	65	GV7 RS220	132...220	3 x LC1 F225 (7)

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

(2) For mounting 3 contactors **LC1 D09**, star-delta starter kit **LAD 91217** must be ordered separately, see page 5/76.

(3) For mounting 3 contactors **LC1 D18** or **LC1 D25**, star-delta starter kit **LAD 93217** must be ordered separately, see page 5/76.

(4) For mounting 3 contactors **LC1 D65A**, star-delta starter kit **LAD 9SD3** must be ordered separately, see page 5/76.

(5) For mounting 3 contactors **LC1 D80**, star-delta starter kit **LA9 D8017** must be ordered separately, see page 5/76.

(6) For mounting 3 contactors **LC1 D115** or **LC1 D150**, see page 1/41

(7) For mounting 3 contactors **LC1 F185** or **LC1 F225**, see pages 1/47 and 1/49

1

1.5 to 315 kW at 400/415 V: type 1 coordination

Maximum operating rate: LC3 K and LC3 F: 12 starts/hour; LC3 D: 30 starts/hour.
Maximum starting time: LC3 K and LC3 D: 30 seconds; LC3 F: 20 seconds.

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3								Circuit-breaker			Star-delta contactors	Thermal overload relay	
400/415 V				440 V				Reference	Rating	I _{rm} (2)	Reference	Reference	Setting range
P	I _e	I _{rD} (1)	I _q	P	I _e	I _{rD} (1)	I _q		A	A			A
kW	A	A	kA	kW	A	A	kA						
–	–	–	–	1.5	3.06	1.8	50	GV2 LE08	4	51	LC3 K06	LR2 K0308	1.8...2.6
1.5	3.6	2	50	2.2	4.42	3	50	GV2 LE10	6.3	78	LC3 K06	LR2 K0310	2.6...3.7
2.2	4.9	3	50	3	5.77	3	50	GV2 LE14	10	138	LC3 K06	LR2 K0312	3.7...5.5
3	6.5	4	50	–	–	–	–	GV2 LE10	6.3	78	LC3 K06	LR2 K0312	3.7...5.5
–	–	–	–	4	7.9	5	50	GV2 LE14	10	138	LC3 K06	LR2 K0312	3.7...5.5
4	8.5	5	50	–	–	–	–	GV2 LE14	10	138	LC3 K06	LR2 K0314	5.5...8
–	–	–	–	5.5	10.4	6	15	GV2 LE16	14	170	LC3 K06	LR2 K0314	5.5...8
5.5	11.5	6	15	–	–	–	–	GV2 LE16	14	170	LC3 K09	LR2 K0316	8...11.5
–	–	–	–	7.5	13.7	8	8	GV2 LE20	18	223	LC3 K09	LR2 K0316	8...11.5
7.5	15.5	9	15	–	–	–	–	GV2 LE16	14	170	LC3 D12A	LRD 16	9...13
–	–	–	–	9	16.9	1	8	GV2 LE22	25	327	LC3 K12	LR2 K0316	8...11.5
9	18.1	10	15	–	–	–	–	GV2 LE20	18	223	LC3 K12	LR2 K0321	10...14
–	–	–	–	11	20.1	12	8	GV2 LE22	25	327	LC3 K12	LR2 K0321	10...14
11	22	12	15	–	–	–	–	GV2 LE22	25	327	LC3 D18A	LRD 21	12...18
–	–	–	–	15	26.5	15	6	GV2 LE32	32	384	LC3 D18A	LRD 21	12...18
15	29	16	10	–	–	–	–	GV3 L40	40	560	LC3 D18A	LRD 22	16...24
18.5	35	20	50	18.5	32.8	19	50	GV3 L50	50	700	LC3 D32A	LRD 32	23...32
22	41	24	50	22	39	23	50	GV3 L65	65	910	LC3 D32A	LRD 32	23...32
–	–	–	–	30	51.5	30	50	GV3 L65	65	910	LC3 D32A	LRD 35	30...38
30	55	33	50	–	–	–	–	NS80HMA	80	640	3 x LC1 D40A (4)	LRD 340	30...40
–	–	–	–	37	64	37	50	NS80HMA	80	640	2 x LC1 D50A + 1 x LC1 D40A (4)	LRD 350	37...50
–	–	–	–	45	76	44	65	NS80HMA	80	800	2 x LC1 D65A + 1 x LC1 D40A (4)	LRD 365	48...65
–	–	–	–	55	90	52	65	NS80HMA	80	640	3 x LC1 D40A (4)	LRD 365	48...65
37	66	40	70	–	–	–	–	NS160●MA (3)	150	1200	LC3 D80	LRD 3363	63...80
–	–	–	–	75	125	72	(3)	NS100●MA (3)	100	800	2 x LC1 D50A + 1 x LC1 D40A (4)	LRD 350	37...50
45	80	47	(3)	–	–	–	–	NS100●MA (3)	100	1200	2 x LC1 D65A + 1 x LC1 D40A (4)	LRD 365	48...65
55	97	58	(3)	–	–	–	–	NS160●MA (3)	150	1200	LC3 D80	LRD 3363	63...80
75	132	78	(3)	–	–	–	–	NS160●MA (3)	150	1200	LC3 D115	LRD 4365	80...104
–	–	–	–	90	146	85	(3)	NS250●MA (3)	220	1760	LC3 D115	LRD 4365	80...104
90	160	96	(3)	110	178	103	(3)	NS250●MA (3)	220	1760	LC3 D150	LRD 4369	110...140
–	–	–	–	132	215	125	(3)	NS400●MA (3)	320	2240	LC3 D150	LR9 D5369	90...150
110	195	116	(3)	–	–	–	–	NS400●MA (3)	320	2240	LC3 F225	LR9 F5371	132...220
–	–	–	–	160	256	148	(3)	NS400●MA (3)	320	2560	LC3 D150	LR9 F5371	110...140
132	230	139	(3)	–	–	–	–	NS400●MA (3)	320	2560	LC3 F185	LR9 F5371	132...220
160	280	165	(3)	–	–	–	–	NS630●MA (3)	500	3150	LC3 F225	LR9 F5371	132...220
200	350	204	(3)	220	353	204	(3)	NS630●MA (3)	500	3500	LC3 F265	LR9 F7375	200...330
220	388	225	(3)	250	401	233	(3)	NS630●MA (3)	500	4000	LC3 F330	LR9 F7375	200...330
280	480	278	(3)	–	–	–	–	NS630●MA (3)	500	4000	LC3 F330	LR9 F7375	200...330
–	–	–	–	315	505	295	(3)	C801●+STR35ME	800	4500	LC3 F330	LR9 F7375	200...330
315	540	322	(3)	355	518	300	(3)	C801●+STR35ME	800	5000	LC3 F400	LR9 F7379	300...500
–	–	–	–	375	575	334	(3)	C801●+STR35ME	800	5000	LC3 F400	LR9 F7379	300...500

(1) I_{rD}: current in the motor windings in delta connection.

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

(3) Products marketed under the Merlin Gerin brand. Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I _q (kA)	NS100●MA		NS160●MA, NS250●MA		NS400●MA, NS630●MA		C801●+STR35ME	
400/415 V	25	70	36	70	70	130	70	150
440 V	25	65	35	65	65	130	65	100
Code	E	S	E	S	H	L	H	L

1.5 to 250 kW at 400/415 V: type 2 coordination

Maximum operating rate: LC3 D: 30 starts/hour; LC3 F: 12 starts/hour.

Maximum starting time: LC3 D: 30 seconds; LC3 F: 20 seconds.

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Circuit-breaker			Star-delta contactors	Thermal overload relay	
400/415 V			440 V			Reference	Rating	I _{rm} (1)	Reference	Reference	Setting range
P kW	I _e A	I _q kA	P kW	I _e A	I _q kA		A	A			A
1.5	3.6	130	1.5	3.06	130	GV2 L08	4	51	3 x LC1 D18	LRD 08	2.5...4
2.2	4.9	130	2.2	4.42	130	GV2 L10	6.3	78	3 x LC1 D18	LRD 10	4...6
3	6.5	130	3	5.77	130						
–	–	–	4	7.9	20	GV2 L14	10	138	3 x LC1 D18	LRD 14	7...10
4	8.5	130	–	–	–	GV2 L14	10	138	3 x LC1 D18	LRD 16	9...13
5.5	11.5	50	5.5	10.4	20	GV2 L16	14	170	3 x LC1 D25	LRD 16	9...13
7.5	15.5	50	7.5	13.7	20	GV2 L20	18	223	3 x LC1 D25	LRD 21	12...18
–	–	–	9	16.9	20	GV2 L22	25	327	3 x LC1 D25	LRD 21	12...18
9	18.1	50	–	–	–	GV2 L22	25	327	3 x LC1 D25	LRD 22	16...24
11	22	50	11	20.1	20						
15	29	50	15	26.5	50	GV3 L32	32	448	3 x LC1 D40A (2)	LRD 332	23...32
18.5	35	50	–	–	–	GV3 L40	40	560	2 x LC1 D50A + 1 x LC1 D40A (2)	LRD 340	30...40
–	–	–	18.5	32.8	50	GV3 L40	40	560	2 x LC1 D65A + 1 x LC1 D40A (2)	LRD 340	30...40
22	41	50	–	–	–	GV3 L50	50	700	2 x LC1 D50A + 1 x LC1 D40A (2)	LRD 350	37...50
–	–	–	22	39	50	GV3 L50	50	700	2 x LC1 D65A + 1 x LC1 D40A (2)	LRD 350	37...50
30	55	50	30	51.5	50	GV3 L65	65	910	2 x LC1 D65A + 1 x LC1 D40A (2)	LRD 365	48...65
–	–	–	37	64	50	GV3 L65	65	910	3 x LC1 D80	LRD 3359	48...65
37	66	70	45	76	65	NS80HMA	80	640	3 x LC1 D80	LRD 3363	63...80
45	80	(2)	55	90	(2)	NS100●MA (2)	100	800	3 x LC1 D115	LR9 D5367	60...100
55	97	(2)	–	–	–	NS160●MA (2)	150	1200	3 x LC1 D115	LR9 D5369	90...150
–	–	–	75	125	(2)	NS160●MA (2)	150	1200	3 x LC1 D150	LR9 D5369	90...150
75	132	(2)	90	146	(2)	NS160●MA (2)	150	1200	3 x LC1 D150	LR9 D5369	90...150
90	160	(2)	110	178	(2)	NS250●MA (2)	220	1760	3 x LC1 F185	LR9 F5371	132...220
110	195	(2)	–	–	–	NS250●MA (2)	220	1760	3 x LC1 F225	LR9 F5371	132...220
–	–	–	132	215	(2)	NS250●MA (2)	220	1760	3 x LC1 F225	LR9 F7375	200...330
132	230	(2)	160	256	(2)	NS400●MA (2)	320	2240	3 x LC1 F265	LR9 F7375	200...330
160	280	(2)	–	–	–	NS400●MA (2)	320	2560	3 x LC1 F330	LR9 F7375	200...330
–	–	–	200	321	(2)	NS400●MA (2)	320	2880	3 x LC1 F330	LR9 F7379	300...500
200	350	(2)	220	353	(2)	NS630●MA (2)	500	3150	3 x LC1 F400	LR9 F7379	300...500
220	388	(2)	250	401	(2)	NS630●MA (2)	500	3500	3 x LC1 F400	LR9 F7379	300...500
250	430	(2)	–	–	–	NS630●MA (2)	500	4000	3 x LC1 F500	LR9 F7379	300...500

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

(2) Products marketed under the Merlin Gerin brand. Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I _q (kA)	NS100●MA	NS160●MA, NS250●MA	NS400●MA, NS630●MA
400/415 V	25	70	130
440 V	25	65	130
Code	E	S	L

1

1.5 to 315 kW at 400/415 V: type 1 coordination

Maximum operating rate: LC3 K and LC3 F: 12 starts/hour; LC3 D: 30 starts/hour.
Maximum starting time: LC3 K and LC3 D: 30 seconds; LC3 F: 20 seconds.

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3								Fuse carrier (basic block)	aM fuses		Star-delta contactors	Thermal overload relay	
400/415 V				440 V				Reference	Size	Rating	Reference	Reference	Setting range
P	I _e	I _{rD} (1)	I _q	P	I _e	I _{rD} (1)	I _q						
kW	A	A	kA	kW	A	A	kA		A			A	
1.5	3.5	2	50	1.5	3.06	2	50	LS1 D32	10 x 38	4	LC3 K06	LR2 K0308	1.8...2.6
2.2	5	3	50	-	-	-	-	LS1 D32	10 x 38	6	LC3 K06	LR2 K0310	2.6...3.7
-	-	-	-	2.2	4.42	3	50	LS1 D32	10 x 38	8	LC3 K06	LR2 K0310	2.6...3.7
-	-	-	-	3	5.77	3	50	LS1 D32	10 x 38	8	LC3 K06	LR2 K0312	3.7...5.5
3	6.5	4	50	-	-	-	-	LS1 D32	10 x 38	8	LC3 K06	LR2 K0312	3.7...5.5
4	8.4	5	50	4	7.9	5	50	LS1 D32	10 x 38	12	LC3 K06	LR2 K0312	3.7...5.5
5.5	11	6	50	5.5	10.4	6	50	LS1 D32	10 x 38	16	LC3 K06	LR2 K0314	5.5...8
7.5	14.8	9	50	7.5	13.7	8	50	LS1 D32	10 x 38	16	LC3 K09	LR2 K0316	8...11.5
9	18.1	10	100	9	16.9	10	50	LS1 D32	10 x 38	20	LC3 D12A	LRD 16	9...13
11	21	12	100	11	20.1	12	100	GK1 EK	14 x 51	25	LC3 D12A	LRD 16	9...13
15	28.5	16	100	15	26.5	15	100	GK1 EK	14 x 51	32	LC3 D18A	LRD 21	12...18
18.5	35	20	100	18.5	32.8	19	100	GK1 EK	14 x 51	40	LC3 D18A	LRD 22	16...24
-	-	-	-	22	39	23	100	GK1 FK	22 x 58	50	LC3 D18A	LRD 22	16...24
22	42	24	100	-	-	-	-	GK1 FK	22 x 58	50	LC3 D32A	LRD 32	23...32
-	-	-	-	30	51.5	30	100	GK1 FK	22 x 58	63	LC3 D32A	LRD 32	23...32
30	57	33	100	37	64	37	100	GK1 FK	22 x 58	80	LC3 D40	LRD 3355	30...40
37	69	40	100	-	-	-	-	GK1 FK	22 x 58	80	LC3 D40	LRD 3357	37...50
-	-	-	-	45	76	44	100	GK1 FK	22 x 58	80	LC3 D50	LRD 3357	37...50
45	81	47	100	-	-	-	-	GK1 FK	22 x 58	100	LC3 D50	LRD 3357	37...50
-	-	-	-	55	90	52	100	GS● K	22 x 58	100	LC3 D50	LRD 3359	48...65
55	100	58	100	-	-	-	-	GS● K	22 x 58	125	LC3 D50	LRD 3361	55...70
75	135	78	100	75	125	72	100	GS● L	T0	160	LC3 D80	LRD 3363	63...80
-	-	-	-	90	146	84	100	GS● L	T0	160	LC3 D115	LRD 4365	80...104
90	165	95	100	-	-	-	-	GS● N	T1	200	LC3 D115	LRD 4367	95...120
110	200	115	100	110	178	103	100	GS● N	T1	200	LC3 D115	LRD 4367	95...120
132	240	139	100	132	215	124	100	GS● QQ	T2	250	LC3 D150	LRD 4369	110...140
160	285	165	100	160	256	148	100	GS● QQ	T2	315	LC3 F185	LR9 F5371	132...220
-	-	-	-	200	321	185	100	GS● QQ	T2	400	LC3 F225	LR9 F5369	132...220
220	388	225	100	-	-	-	-	GS● QQ	T2	400	LC3 F265	LR9 F7375	200...330
-	-	-	-	250	401	233	100	GS2 S	T3	500	LC3 F265	LR9 F7375	200...330
280	480	278	100	-	-	-	-	GS2 S	T3	500	LC3 F330	LR9 F7375	200...330
-	-	-	-	315	505	293	100						
315	555	322	100	355	518	300	100	GS2 S	T3	630	LC3 F330	LR9 F7375	200...330
-	-	-	-	375	575	334	100	GS2 S	T3	630	LC3 F400	LR9 F7379	300...500

(1) I_{rD}: current in the motor windings in delta connection.

1.5 to 355 kW at 400/415 V: type 2 coordination

Maximum operating rate: LC1 D: 30 starts/hour; LC1 F: 12 starts/hour.

Maximum starting time: LC1 D: 30 seconds; LC1 F: 20 seconds.

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Switch-disconnector-fuse Reference	aM fuses		Star-delta contactors Reference	Thermal overload relay	
400/415 V			440 V				Size	Rating		Reference	Reference
P	le	Iq	P	le	Iq						
kW	A	kA	kW	A	kA			A			A
1.5	3.5	50	1.5	3.06	50	GS1 DD	10 x 38	4	3 x LC1 D09	LRD 08	2.5...4
2.2	5	50	2.2	4.42	50	GS1 DD	10 x 38	6	3 x LC1 D09	LRD 10	4...6
3	6.5	50	3	5.77	50	GS1 DD	10 x 38	8	3 x LC1 D09	LRD 12	5.5...8
4	8.4	50	4	7.9	50	GS1 DD	10 x 38	10	3 x LC1 D09	LRD 14	7...10
5.5	11	50	5.5	10.4	50	GS1 DD	10 x 38	16	3 x LC1 D12	LRD 16	9...13
7.5	14.8	50	7.5	13.7	50	GS1 DD	10 x 38	16	3 x LC1 D18	LRD 21	12...18
9	18.1	100	9	16.9	100						
11	21	100	11	20.1	100	GS● F	14 x 51	25	3 x LC1 D25	LRD 22	16...24
15	28.5	100	15	26.5	100	GS● F	14 x 51	32	3 x LC1 D32	LRD 32	23...32
18.5	35	100	18.5	32.8	100	GS● F	14 x 51	40	3 x LC1 D40	LRD 3355	30...40
22	42	100	22	39	100	GS● F	22 x 58	50	3 x LC1 D50	LRD 3357	37...50
30	57	100	30	51.5	100	GS● J	22 x 58	80	3 x LC1 D65	LRD 3361	55...70
37	69	100	37	64	100	GS● J	22 x 58	80	3 x LC1 D80	LRD 3363	63...80
–	–	–	45	76	100	GS● J	22 x 58	80	3 x LC1 D80	LRD 3365	80...93
45	81	100	–	–	–	GS● J	22 x 58	100	3 x LC1 D115	LR9 D5367	60...100
–	–	–	55	90	100	GS● L	T0	125	3 x LC1 D115	LR9 D5369	90...150
55	100	100	–	–	–	GS● L	T0	125	3 x LC1 D150	LR9 D5369	90...150
–	–	–	75	125	100	GS● L	T0	160	3 x LC1 D150	LR9 D5369	90...150
75	135	100	–	–	–	GS● L	T0	160	3 x LC1 F185	LR9 D5369	90...150
90	165	100	90	146	100	GS● N	T1	200	3 x LC1 F185	LR9 F5371	132...220
110	200	100	110	178	100	GS● N	T1	250	3 x LC1 F225	LR9 F5371	132...220
132	240	100	132	215	100	GS● QQ	T2	315	3 x LC1 F265	LR9 F7375	200...330
160	285	100	160	256	100	GS● QQ	T2	315	3 x LC1 F330	LR9 F7375	200...330
–	–	–	200	321	100	GS● QQ	T2	400	3 x LC1 F330	LR9 F7379	300...500
200	352	100	220	353	100						
220	388	100	250	401	100	GS2 S	T3	500	3 x LC1 F400	LR9 F7379	300...500
250	437	100	–	–	–	GS2 S	T3	500	3 x LC1 F500	LR9 F7379	300...500
315	555	100	315	505	100	GS2 S	T3	630	3 x LC1 F630	LR9 F7381	380...630
–	–	–	355	549	100						
–	–	–	400	611	100	GS2 V	T4	800	3 x LC1 F630	LR9 F7381	380...630
355	605	100	–	–	–	GS2 V	T4	800	3 x LC1 F780	LR9 F7381	380...630

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0.06 to 375 kW at 415 V: type 2 coordination

Standard power ratings of 3-phase
motors 50/60 Hz in category AC-3

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Switch-disconnector-fuse	BS fuses		Contactor	Thermal overload relay	
415 V		440 V		500 V		Reference	Size	Rating	Reference (1)	Reference	Setting range
P	I _e	P	I _e	P	I _e						
kW	A	kW	A	A	kA			A			A
0.06	0.22	0.06	0.19	–	–	GS1 DDB	A1	NIT 2	LC1 D09	LRD 02	0.16...0.25
–	–	0.09	0.28	–	–	GS1 DDB	A1	NIT 2	LC1 D09	LRD 03	0.25...0.4
0.09	0.36	–	–	–	–						
0.12	0.42	0.12	0.37	–	–	GS1 DDB	A1	NIT 2	LC1 D09	LRD 04	0.4...0.63
0.18	0.6	0.18	0.55	–	–	GS1 DDB	A1	NIT 2	LC1 D09	LRD 05	0.63...1
–	–	0.25	0.76	–	–	GS1 DDB	A1	NIT 4	LC1 D09	LRD 05	0.63...1
0.25	0.88	0.37	1	0.37	1						
0.37	1	0.55	1.36	0.55	1.2						
0.55	1.5	0.75	1.68	0.75	1.5	GS1 DDB	A1	NIT 6	LC1 D09	LRD 06	1...1.7
0.75	2	–	–	–	–	GS1 DDB	A1	NIT 10	LC1 D09	LRD 07	1.6...2.5
–	–	–	–	1.5	2.6	GS1 DDB	A1	NIT 10	LC1 D09	LRD 08	2.5...4
1.5	3.5	1.5	3.06	2.2	3.8	GS1 DDB	A1	NIT 16	LC1 D09	LRD 08	2.5...4
2.2	5	2.2	4.42	3	5	GS1 DDB	A1	NIT 16	LC1 D09	LRD 10	4...6
3	6.5	3	5.77	4	6.5	GS1 DDB	A1	NIT 20	LC1 D09	LRD 12	5.5...8
4	8.4	4	7.9	5.5	9	GS1 DDB	A1	NIT 20	LC1 D09	LRD 14	7...10
5.5	11	5.5	10.4	7.5	12	GS1 DDB	A1	NIT 20M25	LC1 D12	LRD 16	9...13
7.5	14	7.5	13.7	9	13.9	GS1 DDB	A1	NIT 20M32	LC1 D18	LRD 21	12...18
9	18.1	9	16.9	–	–	GS2 GB	A2	TIA 32M35	LC1 D18	LRD 21	12...18
11	21	11	20	11	18.4						
–	–	–	–	15	23	GS2 GB	A2	TIA 32M50	LC1 D25	LRD 22	16...24
15	28.5	15	26.5	–	–	GS2 GB	A2	TIA 32M63	LC1 D32	LRD 32	23...32
–	–	–	–	22	33	GS2 GB	A3	TIS 63M80	LC1 D40	LRD 3355	30...40
22	42	22	39	30	45	GS2 GB	A3	TIS 63M100	LC1 D50	LRD 3357	37...50
–	–	30	51.5	–	–	GS2 GB	A3	TIS 63M100	LC1 D50	LRD 3359	48...65
30	57	–	–	–	–	GS2 GB	A3	TIS 63M100	LC1 D65	LRD 3359	48...65
–	–	45	76	45	65	GS2 LLB	A4	TCP 100M125	LC1 D80	LRD 3363	63...80
45	81	–	–	55	80	GS2 LLB	A4	TCP 100M125	LC1 D95	LRD 3365	80...93
55	100	–	–	–	–	GS2 LLB	A4	TCP 100M160	LC1 D115	LR9 D5369	90...150
–	–	55	90	–	–	GS2 LLB	A4	TCP 100M160	LC1 D115	LR9 D5367	60...100
–	–	–	–	80	116	GS2 LB	B2	TF 200	LC1 D150	LR9 D5369	90...150
80	138	80	132	–	–	GS2 LB	B2	TF 200M250	LC1 D150	LR9 D5369	90...150
–	–	–	–	100	143						
–	–	–	–	110	156	GS2 LB	B2	TF 200M250	LC1 F185	LR9 F5371	132...220
100	182	100	162	–	–	GS2 MMB	B2	TF 200M250	LC1 F185	LR9 F5371	132...220
110	196	110	178	–	–	GS2 MMB	B2	TF 200M315	LC1 F225	LR9 F5371	132...220
–	–	–	–	140	200	GS2 NB	B3	TKF 315M355	LC1 F265	LR9 F5371	132...220
140	250	140	226	160	220	GS2 NB	B3	TKF 315M355	LC1 F265	LR9 F7375	200...330
160	285	160	256	–	–	GS2 QQB	B4	TKF 315M355	LC1 F330	LR9 F7375	200...330
–	–	–	–	220	310	GS2 QQB	B4	TMF 400	LC1 F400	LR9 F7379	300...500
220	388	220	353	257	362	GS2 QQB	B4	TMF 400M450	LC1 F400	LR9 F7379	300...500
–	–	–	–	270	380	GS2 SB	C2	TTM 500	LC1 F500	LR9 F7379	300...500
257	450	257	412	–	–						
270	460	270	433	–	–	GS2 SB	C2	TTM 500	LC1 F500	LR9 F7381	380...630
375	610	375	577	375	508						
–	–	–	–	425	556	GS2 SB	C2	TTM 630	LC1 F630	LR9 F7381	380...630

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

1.5 to 375 kW at 415 V: type 2 coordination

Maximum operating rate: LC1 D: 30 starts/hour; LC1 F: 12 starts/hour.

Maximum starting time: LC1 D: 30 seconds; LC1 F: 20 seconds.

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Switch-disconnector-fuse	BS fuses		Contactor	Thermal overload relay	
415 V			440 V				Reference	Size		Rating	Reference
P	le	Iq	P	le	Iq			A			A
kW	A	kA	kW	A	kA						
1.5	3.5	50	1.5	3.06	50	GS1 DDB	A1	NIT 16	3 x LC1 D09	LRD 08	2.5...4
2.2	5	50	2.2	4.42	50	GS1 DDB	A1	NIT 16	3 x LC1 D09	LRD 10	4...6
3	6.5	50	3	5.77	50	GS1 DDB	A1	NIT 20	3 x LC1 D09	LRD 12	5.5...8
4	8.4	50	4	7.9	50	GS1 DDB	A1	NIT 20	3 x LC1 D09	LRD 14	7...10
5.5	11	50	5.5	10.4	50	GS1 DDB	A1	NIT 20M25	3 x LC1 D12	LRD 16	9...13
7.5	14.8	50	7.5	13.7	50	GS1 DDB	A1	NIT 20M32	3 x LC1 D18	LRD 21	12...18
9	18.1	50	9	16.9	50	GS2 GB	A2	TIA 32M35	3 x LC1 D18	LRD 21	12...18
11	21	50	11	20.1	50	GS2 GB	A2	TIA 32M50	3 x LC1 D25	LRD 22	16...24
15	28.5	50	15	26.5	50	GS2 GB	A2	TIA 32M63	3 x LC1 D32	LRD 32	23...32
22	42	50	22	39	50	GS2 GB	A3	TIS 63M80	3 x LC1 D40	LRD 3355	30...40
–	–	–	30	51.5	50	GS2 GB	A3	TIS 63M100	3 x LC1 D50	LRD 3359	48...65
30	57	50	–	–	–	GS2 GB	A3	TIS 63M100	3 x LC1 D65	LRD 3359	48...65
45	81	50	45	76	50	GS2 LLB	A4	TCP 100M125	3 x LC1 D80	LRD 3363	63...80
55	100	80	55	90	80	GS2 LLB	A4	TCP 100M160	3 x LC1 D115	LR9 D5369	90...150
80	138	80	80	132	80	GS2 LB	B2	TF 200M250	3 x LC1 D150	LR9 D5369	90...150
100	182	80	100	162	80	GS2 MMB	B2	TF 200M250	3 x LC1 F185	LR9 F5371	132...220
110	196	80	110	178	80	GS2 MMB	B2	TF 200M315	3 x LC1 F225	LR9 F5371	132...220
140	250	80	140	226	80	GS2 NB	B3	TFK 315M355	3 x LC1 F265	LR9 F7375	200...330
160	285	80	160	256	80	GS2 QQB	B3	TFK 315M355	3 x LC1 F330	LR9 F7375	200...330
220	388	80	220	353	80	GS2 QQB	B4	TMF 400M450	3 x LC1 F400	LR9 F7379	300...500
257	450	80	257	412	80	GS2 SB	C2	TTM 500	3 x LC1 F500	LR9 F7379	300...500
270	460	80	270	433	80						
375	610	80	375	577	80	GS2 SB	C2	TTM 630	3 x LC1 F630	LR9 F7381	380...630