

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 (2)
P	I _e	I _{rD} (1)	I _q (2)	P	I _e	I _{rD} (1)	I _q (2)			
kW	A	A	kA	kW	A	A	kA		A	
1.5	3.5	2	50	1.5	3.06	1.8	50	GV2 ME08	2.5...4	LC3 K06
2.2	5	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	8.4	4.9	50	4	7.9	4.6	15			
5.5	11	6.4	15	5.5	10.4	6	8	GV2 ME16	9...14	LC3 K06
7.5	14.8	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	21	12	15	–	–	–	–	GV2 ME22	20...25	LC3 D12A
15	28.5	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 P40	30...40	LC3 D18A
–	–	–	–	22	39	23	50	GV3 P50	37...50	LC3 D18A
22	42	24	50	30	51.5	30	50	GV3 P50	37...50	LC3 D32A
30	57	33	50	30	51.5	30	50	GV3 P65	48...65	LC3 D32A
37	69	40	50	37	64	37	50	GV3 P65	48...65	LC3 D40
37	69	40	25	37	64	37	25	GV7 RE80	48...80	LC3 D40
–	–	–	–	45	76	44	10	GV3 ME80	56...80	LC3 D50
–	–	–	–	45	76	44	25	GV7 RE80	48...80	LC3 D50
45	81	47	25	–	–	–	–	GV7 RE100	60...100	LC3 D50
55	100	58	25	55	90	52	25			
75	135	78	35	75	125	72	35	GV7 RE150	90...150	LC3 D80
–	–	–	–	90	146	84	35	GV7 RE150	90...150	LC3 D115
90	165	95	35	–	–	–	–	GV7 RE220	132...220	LC3 D115
110	200	115	35	110	178	103	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 24509/5.

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 0/60 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	3.5	130	1.5	3.06	130	GV2 P08	2.5...4	3 x LC1 D09
2.2	5	130	2.2	4.42	130	GV2 P10	4...6.3	3 x LC1 D18
–	–	–	3	5.77	130	GV2 P10	4...6.3	3 x LC1 D18
3	6.5	130	–	–	–	GV2 P14	6...10	3 x LC1 D18
4	8.4	130	4	7.9	130	GV2 P14	6...10	3 x LC1 D18
5.5	11	130	5.5	10.4	50	GV2 P16	9...14	3 x LC1 D25
–	–	–	7.5	13.7	50	GV2 P16	9...14	3 x LC1 D25
7.5	14.8	50	9	16.9	20	GV2 P20	13...18	3 x LC1 D25
9	18.1	50	11	20.1	20	GV2 P21	17...23	3 x LC1 D25
11	21	50	–	–	–	GV2 P22	20...25	3 x LC1 D25
15	28.5	50	15	26.5	50	GV3 P32	23...32	3 x LC1 D80
18.5	35	50	18.5	32.8	50	GV3 P40	30...40	3 x LC1 D80
–	–	–	22	39	50	GV3 P40	30...40	3 x LC1 D80
22	42	50	–	–	–	GV3 P50	37...50	3 x LC1 D80
30	57	50	30	51.5	50	GV3 P65	48...65	3 x LC1 D80
37	69	70	37	64	65	GV7 RS80	48...80	3 x LC1 D80
–	–	–	45	76	65	GV7 RS80	48...80	3 x LC1 D80
45	81	70	–	–	–	GV7 RS100	60...100	3 x LC1 D115
55	100	70	55	90	65	GV7 RS100	60...100	3 x LC1 D115
75	135	70	75	125	65	GV7 RS150	90...150	3 x LC1 D150
–	–	–	90	146	65	GV7 RS150	90...150	3 x LC1 D150
90	165	70	110	178	65	GV7 RS220	132...220	3 x LC1 F185
110	200	70	132	215	65	GV7 RS220	132...220	3 x LC1 F225

(1) The breaking performance of circuit-breakers GV2 P can be increased by adding a current limiter GV1 L3, see page 24509/5.