

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	3.5	2	50	2.2	4.42	3	50	GV2 LE10	6.3	78	LC3 K06	LR2 K0310	2.6...3.7
2.2	5	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	8.4	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	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	14.8	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 D18A	LRD 21	12...18
11	21	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	28.5	16	10	–	–	–	–	GV3 P40	40	560	LC3 D18A	LRD 22	16...24
18.5	35	20	50	18.5	32.8	19	50	GV3 P40	40	560	LC3 D18A	LRD 22	16...24
–	–	–	–	22	39	23	50	GV3 P50	50	700	LC3 D32A	LRD 32	23...32
22	42	24	50	–	–	–	–	GV3 P65	65	910	LC3 D32A	LRD 32	23...32
–	–	–	–	30	51.5	30	50	GV3 P65	65	910	LC3 D32A	LRD 35	30...38
30	57	33	50	–	–	–	–	GV3 P65	65	910	LC3 D40	LRD 3355	30...40
–	–	–	–	37	64	37	50	NS80HMA	80	640	LC3 D40	LRD 3357	37...50
–	–	–	–	45	76	44	65	NS80HMA	80	800	LC3 D50	LRD 3359	48...65
–	–	–	–	55	90	52	65	NS80HMA	80	640	LC3 D40	LRD 3359	48...65
37	69	40	70	–	–	–	–	NS160●MA (3)	150	1200	LC3 D80	LRD 3363	63...80
–	–	–	–	75	125	72	(3)	NS100●MA (3)	100	800	LC3 D50	LRD 3357	37...50
45	81	47	(3)	–	–	–	–	NS100●MA (3)	100	1200	LC3 D50	LRD 3361	55...70
55	100	58	(3)	–	–	–	–	NS160●MA (3)	150	1200	LC3 D80	LRD 3363	63...80
75	135	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	165	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	200	116	(3)	–	–	–	–	NS630●MA (3)	500	3150	LC3 F225	LR9 F5371	132...220
–	–	–	–	160	256	148	(3)	NS400●MA (3)	320	2240	LC3 D150	LRD 4369	110...140
132	240	139	(3)	–	–	–	–	NS400●MA (3)	320	2560	LC3 F185	LR9 F5371	132...220
160	285	165	(3)	–	–	–	–	NS630●MA (3)	500	3150	LC3 F225	LR9 F5371	132...220
200	352	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)	–	–	–	–	C801●+STR35ME	800	4500	LC3 F330	LR9 F7375	200...330
–	–	–	–	315	505	295	(3)	C801●+STR35ME	800	5000	LC3 F400	LR9 F7379	300...500
315	555	322	(3)	355	518	300	(3)						
–	–	–	–	375	575	334	(3)						

(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
440 V	25	65	35	65
Code	E	S	E	S
			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	I _e	I _q	P	I _e	I _q		A	A			A
kW	A	kA	kW	A	kA						
1.5	3.5	130	1.5	3.06	130	GV2 L08	4	51	3 x LC1 D18	LRD 08	2.5...4
2.2	5	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	8.4	130	–	–	–	GV2 L14	10	138	3 x LC1 D18	LRD 16	9...13
5.5	11	50	5.5	10.4	20	GV2 L16	14	170	3 x LC1 D25	LRD 16	9...13
7.5	14.8	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	21	50	11	20.1	20						
15	28.5	50	15	26.5	50	GV3 L32	32	448	3 x LC1 D40	LRD 3353	23...32
18.5	35	50	18.5	32.8	50	GV3 L40	40	560	3 x LC1 D50	LRD 3355	30...40
22	42	50	22	39	50	GV3 L50	50	700	3 x LC1 D50	LRD 3357	37...50
30	57	50	30	51.5	50	GV3 L65	65	910	3 x LC1 D65	LRD 3359	48...65
–	–	–	37	64	50						
37	69	70	45	76	65	NS80HMA	80	640	3 x LC1 D80	LRD 3363	63...80
45	81	(2)	55	90	(2)	NS100●MA (2)	100	800	3 x LC1 D115	LR9 D5367	60...100
55	100	(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	135	(2)	90	146	(2)	NS160●MA (2)	150	1200	3 x LC1 D150	LR9 D5369	90...150
90	165	(2)	110	178	(2)	NS250●MA (2)	220	1760	3 x LC1 F185	LR9 F5371	132...220
110	200	(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	240	(2)	160	256	(2)	NS400●MA (2)	320	2240	3 x LC1 F265	LR9 F7375	200...330
160	285	(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	352	(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	437	(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	36	70	70	130
440 V	25	65	35	65	65	130
Code	E	S	E	S	H	L