

0.18 to 22 kW at 690 V: type 2 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3			Limiter block	Circuit breaker			Contactor	Thermal overload relay	
690 V			Product type	Product type	Ir setting ⁽¹⁾	Irm ⁽¹⁾	Product type	Product type	Setting range
P	Ie	Iq							
kW	A	kA			A	A			A
0.18	0.35	100	—	GV2L03	0.4	5	LC1D09	LRD03	0.25...0.4
0.25	0.49	100	—	GV2L04	0.63	8	LC1D09	LRD04	0.4...0.63
0.37	0.64	100	—	GV2L05	1	13	LC1D09	LRD05	0.63...1
0.55	0.87	100	—	GV2L05	1	13	LC1D09	LRD05	0.63...1
0.75	1.1	100	—	GV2L06	1.6	22.5	LC1D09	LRD06	1...1.6
1.1	1.6	100	—	GV2L06	1.6	22.5	LC1D09	LRD06	1...1.6
1.5	2.1	65	LA9LB920 ⁽²⁾	GV2L07	2.5	33.5	LC1D25	LRD07	1.6...2.5
2.2	2.8	65	LA9LB920 ⁽²⁾	GV2L08	4	51	LC1D25	LRD08	2.5...4
3	3.8	65	LA9LB920 ⁽²⁾	GV2L08	4	51	LC1D25	LRD08	2.5...4
4	4.9	65	LA9LB920 ⁽²⁾	GV2L10	6.3	78	LC1D25	LRD10	4...6
5.5	6.7	65	LA9LB920 ⁽²⁾	GV2L14	10	138	LC1D32	LRD12	5.5...8
7.5	8.9	65	LA9LB920 ⁽²⁾	GV2L14	10	138	LC1D32	LRD14	7...10
9	10.6	65	LA9LB920 ⁽²⁾	GV2L16	14	170	LC1D32	LRD16	9...13
11	12.8	65	LA9LB920 ⁽²⁾	GV2L16	14	170	LC1D32	LRD16	9...13
15	17	65	LA9LB920 ⁽²⁾	GV2L20	18	223	LC1D32	LRD21	12...18
18.5	21	65	LA9LB920 ⁽²⁾	GV2L22	25	327	LC1D32	LRD22	16...24
22	24	65	LA9LB920 ⁽²⁾	GV2L22	25	327	LC1D32	LRD32	23...32
22	24	65	LA9LB920 ⁽²⁾	GV2L32	32	416	LC1D40A	LRD332	23...32

(1) This setting is a general guidance, Ir and Irm should be adjusted according to motor characteristics and conditions of use.

(2) For more information about the current limiter LA9LB920, see pages A4/31 and A4/61.

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	Irm ⁽¹⁾	Reference ⁽²⁾	Reference	Setting range
P	Ie	Iq	P	Ie	Iq	P	Ie	Iq						
kW	A	kA	kW	A	kA	kW	A	kA		A	A			A
18.5	35	50	—	—	—	—	—	—	GV3L40	40	560	LC1D50A	LRD340	30...40
—	—	—	18.5	32.5	50	—	—	—	GV3L40	40	560	LC1D65A	LRD340	30...40
22	41	50	—	—	—	—	—	—	GV3L50	50	700	LC1D50A	LRD350	37...50
—	—	—	22	39	50	30	44	10	GV3L50	50	700	LC1D65A	LRD350	37...50
30	55	50	30	51.5	50	37	53	10	GV3L65	65	910	LC1D65A	LRD365	48...65
37	66	50	—	—	—	—	—	—	GV3L73	73	1120	LC1D80A	LRD380	62...80
45	60	50	—	—	—	—	—	—	GV3L80	80	1120	LC1D95	LRD3363	63...80
—	—	—	37	64	70	—	—	—	GV4L80	80	880	LC1D65A	LRD365	48...65
37	66	100	45	76	70	(4)	(4)	(4)	GV4L80	80	1040	LC1D80	LRD3363	63...80
45	80	100	55	90	70	(4)	(4)	(4)	GV4L115	115	1380	LC1D115	LR9D5367	60...100
55	97	100	—	—	—	(4)	(4)	(4)	GV4L115	115	1495	LC1D115	LR9D5369	90...150
—	—	—	—	—	—	55	78	(3)	NSX100●MA ⁽³⁾	100	1040	LC1D80	LRD3363	63...80
45	80	(3)	55	90	(3)	—	—	—	NSX100●MA ⁽³⁾	100	1300	LC1D115	LR9D5367	60...100
55	97	(3)	—	—	—	—	—	—	NSX160●MA ⁽³⁾	150	1500	LC1D115	LR9D5369	90...150
—	—	—	—	—	—	75	106	(3)	NSX160●MA ⁽³⁾	150	1950	LC1D115	LR9D5369	90...150
75	132	(3)	75	125	(3)	—	—	—	NSX160●MA ⁽³⁾	150	1950	LC1D150	LR9D5369	90...150
—	—	—	90	146	(3)	—	—	—	NSX160●MA ⁽³⁾	150	1950	LC1D150	LR9D5369	90...150
—	—	—	—	—	—	90	128	(3)	NSX160●MA ⁽³⁾	150	1200	LC1D150	LR9D5369	90...150