

### Operational current and power conforming to IEC ( $\theta \leq 60\text{ }^{\circ}\text{C}$ )

Contactor size			LC1/ LP1 K06	LC1/ LP1 K09	LC1 K12	LC1 K16	LC1 D09	LC1 D12	LC1 D18	LC1 D25	LC1 D32	LC1 D38	LC1 D40
Maximum operational current in AC-3	$\leq 440\text{ V}$	<b>A</b>	6	9	12	16	9	12	18	25	32	38	40
Rated operational power P (standard motor power ratings)	220/240 V	<b>kW</b>	1.5	2.2	3	3	2.2	3	4	5.5	7.5	9	11
	380/400 V	<b>kW</b>	2.2	4	5.5	7.5	4	5.5	7.5	11	15	18.5	18.5
	415 V	<b>kW</b>	2.2	4	5.5	7.5	4	5.5	9	11	15	18.5	22
	440 V	<b>kW</b>	3	4	5.5	7.5	4	5.5	9	11	15	18.5	22
	500 V	<b>kW</b>	3	4	4	5.5	5.5	7.5	10	15	18.5	18.5	22
	660/690 V	<b>kW</b>	3	4	4	4	5.5	7.5	10	15	18.5	18.5	30
	1000 V	<b>kW</b>	–	–	–	–	–	–	–	–	–	–	22

### Maximum operating rate in operating cycles/hour (1)

On-load factor	Operational power	LC1 D09	LC1 D12	LC1 D18	LC1 D25	LC1 D32	LC1 D38	LC1 D40
$\leq 85\%$	P	–	–	–	–	1200	1200	1000
	0.5 P	–	–	–	–	3000	3000	2500
$\leq 25\%$	P	–	–	–	–	1800	1800	1200

### Operational current and power conforming to UL, CSA ( $\theta \leq 60\text{ }^{\circ}\text{C}$ )

Contactor size			LC1/ LP1 K06	LC1/ LP1 K09	LC1/ LP1 K12	LC1 D09	LC1 D12	LC1 D18	LC1 D25	LC1 D32	LC1 D38	LC1 D40
Maximum operational current in AC-3	$\leq 440\text{ V}$	<b>A</b>	6	9	12	9	12	18	25	32	–	40
Rated operational power P (standard motor power ratings 60 Hz)	200/208 V	<b>HP</b>	1.5	2	3	2	3	5	7.5	10	–	10
	230/240 V	<b>HP</b>	1.5	3	3	2	3	5	7.5	10	–	10
	460/480 V	<b>HP</b>	3	5	7.5	5	7.5	10	15	20	–	30
	575/600 V	<b>HP</b>	3	5	10	7.5	10	15	20	25	–	30

(1) Depending on the operational power and the on-load factor ( $\theta \leq 60\text{ }^{\circ}\text{C}$ ).

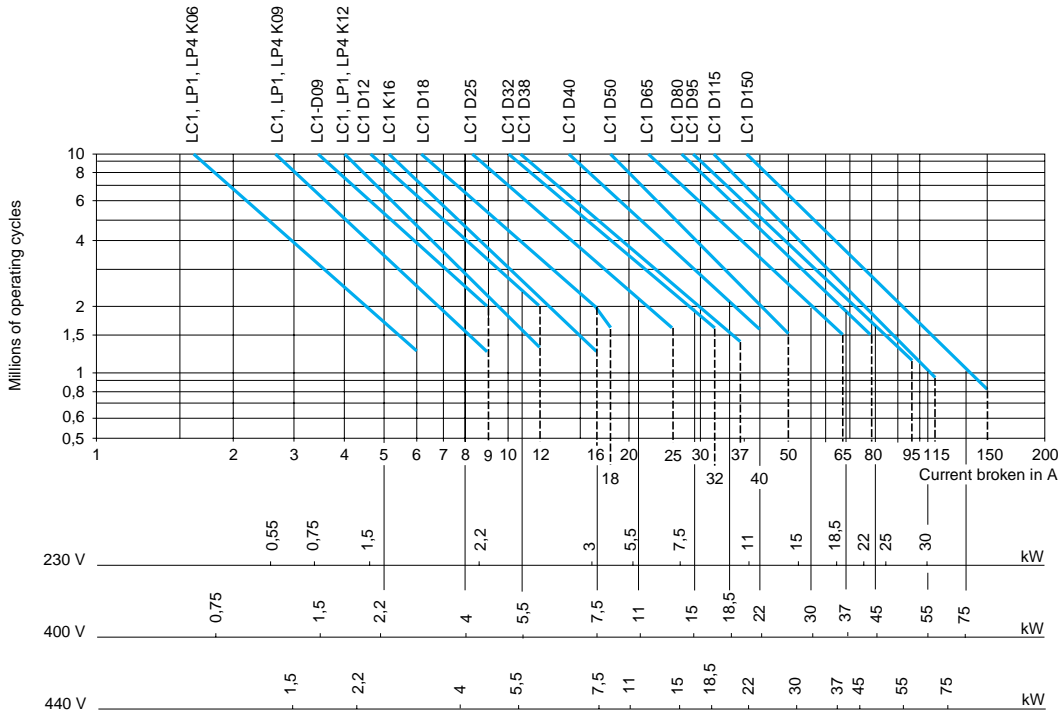
LC1 D50	LC1 D65	LC1 D80	LC1 D95	LC1 D115	LC1 D150	LC1 F185	LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800	LC1 BL	LC1 BM	LC1 BP	LC1 BR
50	65	80	95	115	150	185	225	265	330	400	500	630	780	800	750	1000	1500	1800
15	18.5	22	25	30	40	55	63	75	100	110	147	200	220	250	220	280	425	500
22	30	37	45	55	75	90	110	132	160	200	250	335	400	450	400	500	750	900
25	37	45	45	59	80	100	110	140	180	220	280	375	425	450	425	530	800	900
30	37	45	45	59	80	100	110	140	200	250	295	400	425	450	450	560	800	900
30	37	55	55	75	90	110	129	160	200	257	355	400	450	450	500	600	750	900
33	37	45	45	80	100	110	129	160	220	280	335	450	475	475	560	670	750	900
30	37	45	45	65	75	100	100	147	160	185	335	450	450	450	530	530	670	750

LC1 D50	LC1 D65	LC1 D80	LC1 D95	LC1 D115	LC1 D150	LC1 F185	LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800	LC1 BL	LC1 BM	LC1 BP	LC1 BR
1000	1000	750	750	750	750	750	750	750	750	500	500	500	500	500	120	120	120	120
2500	2500	2000	2000	2000	1200	2000	2000	2000	2000	1200	1200	1200	1200	600	120	120	120	120
1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	600	600	120	120	120	120

LC1 D50	LC1 D65	LC1 D80	LC1 D95	LC1 D115	LC1 D150	LC1 F185	LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800
50	65	80	95	115	150	185	225	265	330	400	500	630	780	800
15	20	30	30	30	40	50	60	60	75	100	150	250	-	350
15	20	30	30	40	50	60	75	75	100	125	200	300	450	400
40	50	60	60	75	100	125	150	150	200	250	400	600	900	900
40	50	60	60	100	125	150	150	200	250	300	500	800	-	900

### Selection according to required electrical durability, in category AC-3 (Ue ≤ 440 V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.  
 The current broken (Ic) in category AC-3 is equal to the rated operational current (Ie) of the motor.



Operational power in kW-50 Hz.

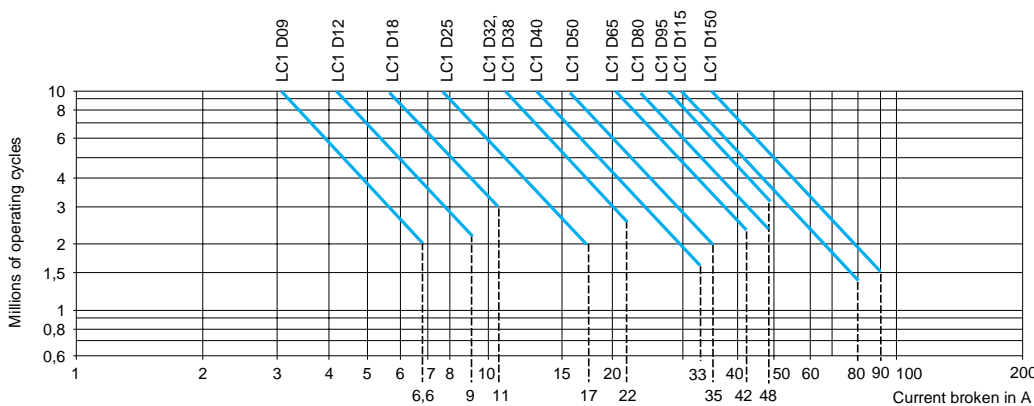
**Example :**

Asynchronous motor with P = 5.5 kW - Ue = 400 V - Ie = 11 A - Ic = Ie = 11 A  
 or asynchronous motor with P = 5.5 kW - Ue = 415 V - Ie = 11 A - Ic = Ie = 11 A  
 3 million operating cycles required.

The above selection curves show the contactor rating needed: LC1 D18.

### Selection according to required electrical durability, in category AC-3 (Ue = 660/690 V) (1)

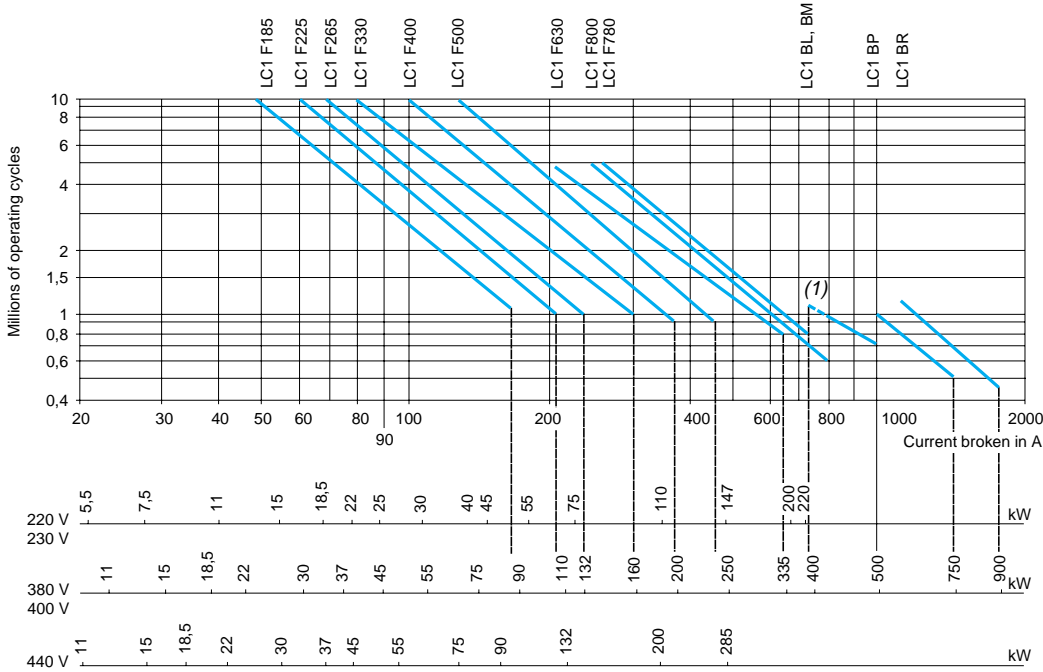
Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.  
 The current broken (Ic) in category AC-3 is equal to the rated operational current (Ie) of the motor.



(1) For Ue = 1000 V use the 660/690 V curves, but do not exceed the operational current at the operational power indicated for 1000 V.

### Selection according to required electrical durability, in category AC-3 (Ue ≤ 440 V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.  
The current broken (Ic) in category AC-3 is equal to the rated operational current (Ie) of the motor.



Operational power in kW-50 Hz.

**Example :**

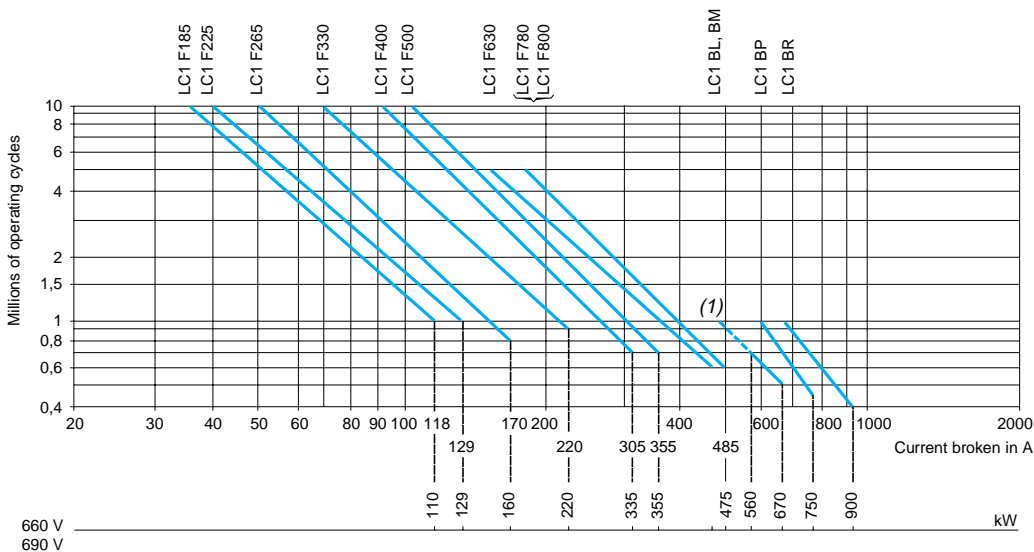
Asynchronous motor with P = 132 kW - Ue = 380 V - Ie = 245 A - Ic = Ie = 245 A  
or asynchronous motor with P = 132 kW - Ue = 415 V - Ie = 240 A - Ic = Ie = 240 A  
1.5 million operating cycles required.

The above selection curves show the contactor rating needed: LC1 F330.

(1) The dotted lines are only applicable to LC1 BL contactors.

### Selection according to required electrical durability, in category AC-3 (Ue = 660/690 V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.  
The current broken (Ic) in category AC-3 is equal to the rated operational current (Ie) of the motor.



**Example :**

Asynchronous motor with P = 132 kW - Ue = 660 V - Ie = 140 A - Ic = Ie = 140 A  
1.5 million operating cycles required.

The above selection curves show the contactor rating needed: LC1 F330.

(1) The dotted lines are only applicable to LC1 BL contactors.