

Bulletin 150
Soft Starters
Product Selection

Smart Motor Controllers SMC-3

- 1...480/831 A Range
- Soft Start
- Current Limit Start
- Selectable Kick Start
- Selectable Soft Stop
- Built-In Overload Protection
- Built-In SCR Bypass
- For in-line or inside-the-delta configurations



Up to 480V AC

Line Connection		Delta Connection		100...240V 50/60 Hz Control	24V AC/DC Control
Current Rating **	Motor Power @ 400V AC †	Current Rating **	Motor Power @ 400V AC †		
[A]	[kW]	[A]	[kW]	Cat. No.	Cat. No.
1...3	1.1	1.7...5.1	0.55...2.2	150-C3NBD	150-C3NBR
3...9	4	5.1...16	2.2...7.5	150-C9NBD	150-C9NBR
5.3...16	7.5	9.1...27.6	4...11	150-C16NBD	150-C16NBR
6.3...19	7.5	10.9...32.8	4...15	150-C19NBD	150-C19NBR
9.2...27.7	11	14.3...43	5.5...22	150-C25NBD	150-C25NBR
10...30	15	17.3...52	7.5...22	150-C30NBD	150-C30NBR
12.3...37	18.5	21...64	7.5...30	150-C37NBD	150-C37NBR
14.3...43	22	25...74	11...37	150-C43NBD	150-C43NBR
20...60	30	34.6...104	15...55	150-C60NBD	150-C60NBR
28.3...85	45	50...147	22...75	150-C85NBD	150-C85NBR
27...108	55	47...187	90	150-C108NBD	150-C108NBR
34...135	75	59...234	132	150-C135NBD	150-C135NBR
67...201	95...110	116...348	160	150-C201NBD	150-C201NBR
84...251	95...132	145...435	250	150-C251NBD	150-C251NBR
106...317	95...160	183...549	315	150-C317NBD	150-C317NBR
120...361	110...200	208...625	355	150-C361NBD	150-C361NBR
160...480	160...250	277...831	450	150-C480NBD	150-C480NBR

Up to 600V AC

Line Connection		Delta Connection		100...240V 50/60 Hz Control	24V AC/DC Control
Current Rating **	Motor Power @ 525V AC †	Current Rating **	Motor Power @ 525V AC †		
[A]	[kW]	[A]	[kW]	Cat. No.	Cat. No.
1...3	1.5	1.7...5.1	0.75...3	150-C3NCD	150-C3NCR
3...9	5.5	5.1...16	3...7.5	150-C9NCD	150-C9NCR
5.3...16	7.5	9.1...27.6	5.5...15	150-C16NCD	150-C16NCR
6.3...19	11	10.9...32.8	5.5...22	150-C19NCD	150-C19NCR
9.2...27.7	15	14.3...43	7.5...22	150-C25NCD	150-C25NCR
10...30	18.5	17.3...52	11...30	150-C30NCD	150-C30NCR
12.3...37	22	21...64	11...37	150-C37NCD	150-C37NCR
14.3...43	22	25...74	15...45	150-C43NCD	150-C43NCR
20...60	37	84.6...104	22...55	150-C60NCD	150-C60NCR
28.3...85	55	50...147	30...90	150-C85NCD	150-C85NCR
27...108	75	47...187	132	150-C108NCD	150-C108NCR
34...135	90	59...234	160	150-C135NCD	150-C135NCR
67...201	75...132	116...348	250	150-C201NCD	150-C201NCR
84...251	90...160	145...435	315	150-C251NCD	150-C251NCR
106...317	100...200	183...549	400	150-C317NCD	150-C317NCR
120...361	132...250	208...625	450	150-C361NCD	150-C361NCR
160...480	200...315	277...831	560	150-C480NCD	150-C480NCR

* Motor FLA and motor running current must fall within the running current range of the device to operate properly.
 ** From series letter "B", these units can be used in the inside the delta wiring with a current range 1.73 x higher.
 † Calculated using 350 % over current during starting.