

# Smart Motor Controllers — STC™ Starting Torque Controller

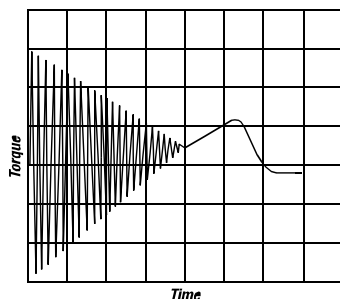
## Product Selection

### Single-Phase Selection — Open Type

Current Rating (A)	kW	HP	Cat. No.
<b>110...120V AC, 50/60 Hz</b>			
11	0.75	0.5	154-A11NL
16	1.1	1	154-A16NL
22	1.5	1.5	154-A22NL
<b>200...240V AC, 50/60 Hz</b>			
11	1.5	1.5	154-A11NA
16	2.2	2	154-A16NA
22	3	3	154-A22NA

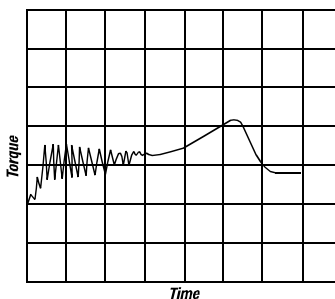
### Three-Phase Selection — Open Type

Current Rating (A)	kW	HP	Cat. No.
<b>200V AC, 60 Hz</b>			
11	—	3	154-A11NA
16	—	3	154-A16NA
22	—	5	154-A22NA
<b>230V AC, 50/60 Hz</b>			
11	2.2	3	154-A11NA
16	4	5	154-A16NA
22	5.5	7.5	154-A22NA
<b>380...480V AC, 50/60 Hz</b>			
11	4	7.5	154-A11NB
16	7.5	10	154-A16NB
22	11	15	154-A22NB
<b>500...575V AC, 50/60 Hz</b>			
11	5.5	10	154-A11NC
16	7.5	10	154-A16NC
22	11	20	154-A22NC



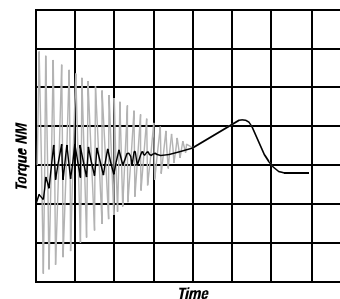
#### Typical Across-the-Line Response

The figure above shows how starting torque surge during motor starting can cause damage to the motor and to driver equipment.



#### STC™ Response

The figure above shows how the STC controller is effective in decreasing the magnitude of starting torque surges.



#### Comparison of Across-the-Line Response versus STC™ Response

The figure above shows the comparison of the STC controller versus a typical across-the-line start.