

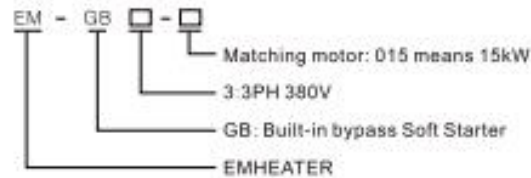
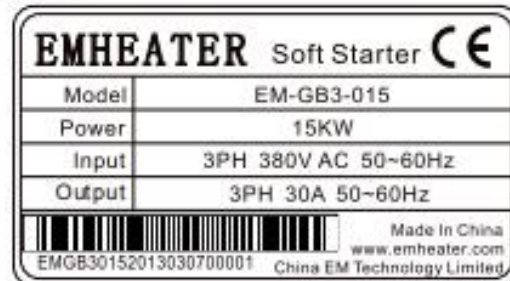
1. EM-GB Series Soft starter

1.1 Soft starter overview

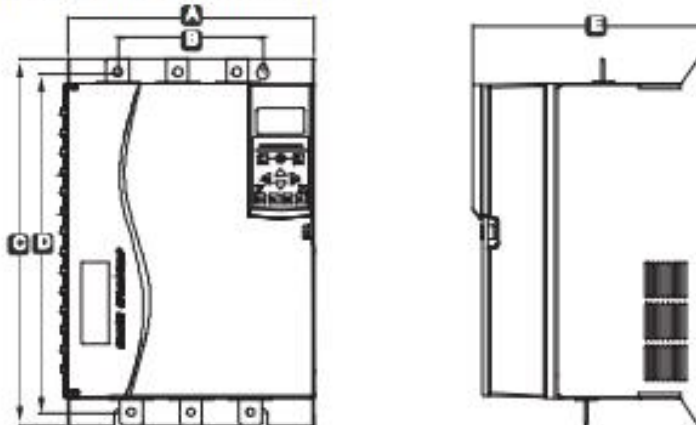
Soft starter overview:

This soft starter is an advanced digital soft starter solution for motors from 11kW to 600kW. Provides a complete range of motor and system protection features to ensure reliable performance even in the toughest installation environments.

1.2 Model Description



1.3 Specifications and Dimensions



Model	Rated Power	Rated Current	Dimensions(mm)					N.W.
	(KW)	(A)	A	B	C	D	E	(Kg)
EM-GB-011	11	22	152	92	312	269	215	5.2
EM-GB-015	15	30						
EM-GB-018	18.5	37						

Model	Rated Power	Rated Current	Dimensions(mm)					N.W.
	(KW)	(A)	A	B	C	D	E	(Kg)
EM-GB-022	22	44						
EM-GB-030	30	60						
EM-GB-037	37	75						
EM-GB-045	45	90	152	92	312	269	215	5.2
EM-GB-055	55	110						
EM-GB-075	75	150						
EM-GB-090	90	180	275	160	410	390	265	18.3
EM-GB-115	115	230						
EM-GB-132	132	264	443	320 160*2	600	540	290	35.8
EM-GB-160	160	320						
EM-GB-200	200	400						
EM-GB-250	250	500						
EM-GB-280	280	560						
EM-GB-315	315	630						
EM-GB-355	355	710						

1.4 Feature List

Selectable soft starting profiles

Adaptive Control
Constant Current
Current Ramp

Customisable protection

Motor overload
Excess Start Time
Undercurrent
Instantaneous overcurrent
Current imbalance
Mains frequency
Input Trip
Motor thermistor
Power circuit
Phase sequence

Selectable soft stopping profiles

Coast To Stop
Timed voltage ramp soft stop
Adaptive Control
Brake

Models for all connection requirements

23 A~1000 A (nominal)
380~415 VAC
Internally bypassed
In-line or inside delta connection

Extensive input and output options

Remote control inputs (3 fixed, 2 programmable)
Relay outputs (1 fixed, 3 programmable)
Analog output
Built-in PT100 RTD input
Optional expansion cards

Optional features for advanced applications

Input/output expansion
RTD and Ground fault protection
Communication modules: Modbus, Modbus RTU

Easy-to-read display with comprehensive feedback

Removable keypad
Multi-language feedback
Date and time stamped event logging
Operational counters (number of starts, hours-run, kWh)
Performance monitoring (current, voltage, power factor, kWh)
User-programmable monitoring screen