

Extended features inside Compact Soft Starters

ASTAT XB - XBm - XL



ASTAT XB - XBm - XL

Welcome to the new
digital soft starters!
GE ASTAT family

ASTAT XB and XBm

The GE ASTAT family of Low Voltage Soft Starters is pleased to welcome the new **XB** and **XBm** series in the power range from 18 to 200A, 7.5 to 110 kW at 400Vac, 10 to 180HP at 460Vac, with a wide voltage range of 200 to 575Vac

Perfect for applications like Pump, Fans, Compressors, Conveyors,...

These new series are compact and cost effective soft starter solution, simple operation, with a built-in bypass function and conformal coated as standard. Easy DIN-rail mounting for sizes up to 60A, 30kW/50HP at 460Vac, 2-wire or 3-wire start/stop control and excellent starting duty (4 x In for 6 seconds). Heavy starting ratings at 4x In for 20 seconds. Compatible with grounded delta power systems.

The ASTAT XBm is a Constant Current system with current measurement and control. It provides a range of motor protection functions in addition to soft start and soft stop. Protections include motor overload, phase loss and excess start time, along with a programmable relay.

Features:

- ✓ Compact design
- ✓ Built-in bypass
- ✓ Friendly use
- ✓ Conformal coated PCBs (3C2)
- ✓ DIN-rail mounting up to 30kW at 400Vac, 50HP at 460Vac
- ✓ Motor protections (XBm series)
- ✓ Remote operator kit available as option



(1) In progress



ASTAT XL

New digital soft starter **XL** series in the power range from 23 to 1600A, 11 to 850kW at 400Vac, 15 to 1340HP at 460Vac, with a wide voltage range of 200 to 690Vac

Perfect for applications like Pump, Fans, Compressors, Conveyors, Mixers, Mills, Centrifuges,...

These new series has an intuitive user-friendly keypad, with four-line multi-language text (8 languages: English, German, French, Spanish, Portuguese, Italian, Chinese and Russian), Real-time graphs of motor operating performance and 3 types of Setup menus: Standard, Extended and Quick. It can record the last 8 trips, up to 99 events log.

The ASTAT XL is a Constant Current and Current Ramp but also able to control acceleration. According to your application, you can select between early, constant or late acceleration/deceleration.

Features:

- ✓ Compact design
- ✓ Built-in bypass (up to 1000A)
- ✓ User friendly programming and feedback
- ✓ Conformal coated PCBs (3C2)
- ✓ Automatically detects in-line or inside delta connection
- ✓ Adjustable busbars for both top and bottom entry above 360A, 200kW at 400Vac, 300HP at 460Vac
- ✓ Motor protections
- ✓ DC injection braking distributed over the 3 phases



(1) In progress



Order codes

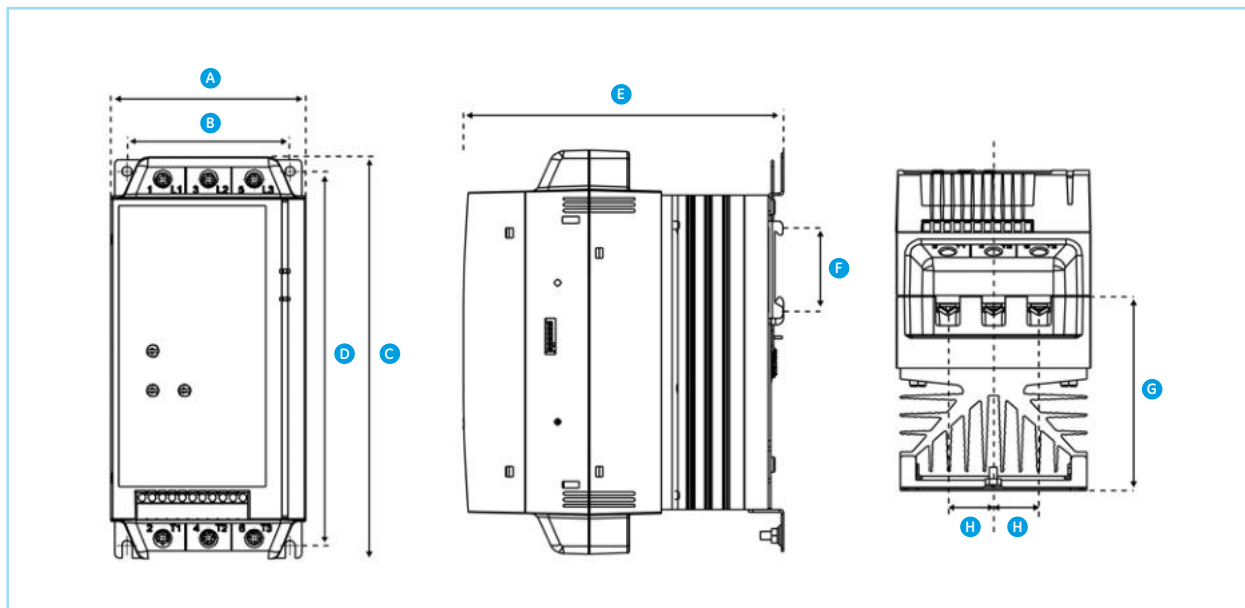
				Mains voltage: 200 to 440Vac ; Control voltage: 110 to 240Vac ⁽¹⁾				Mains voltage: 200 to 575Vac ; Control voltage: 110 to 240Vac ⁽¹⁾			
NORMAL DUTY		HEAVY DUTY		ASTAT XB		ASTAT XBm		ASTAT XB		ASTAT XBm	
				Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
AC53b 4-6:354		AC53b 4-20:340									
40°C	50°C	40°C	50°C								
18A	17A	17A	15A	QS11B018XA1	872411	QC11B018XA1	872869	QS31B018XA1	872078	QC31B018XA1	872153
34A	32A	30A	28A	QS11B034XA1	872858	QC11B034XA1	872870	QS31B034XA1	872080	QC31B034XA1	872154
42A	40A	36A	33A	QS11B042XA1	872859	QC11B042XA1	872871	QS31B042XA1	872085	QC31B042XA1	872155
48A	44A	40A	36A	QS11B048XA1	872861	QC11B048XA1	872872	QS31B048XA1	872090	QC31B048XA1	872159
60A	55A	49A	45A	QS11B060XA1	872862	QC11B060XA1	872873	QS31B060XA1	872099	QC31B060XA1	872173
AC53b 4-6:594		AC53b 4-20:580									
40°C	50°C	40°C	50°C								
75A	68A	65A	59A	QS11B075XA1	872863	QC11B075XA1	872874	QS31B075XA1	872118	QC31B075XA1	872175
85A	78A	73A	67A	QS11B085XA1	872864	QC11B085XA1	872875	QS31B085XA1	872123	QC31B085XA1	872183
100A	100A	96A	87A	QS11B100XA1	872865	QC11B100XA1	872876	QS31B100XA1	872124	QC31B100XA1	872184
140A	133A	120A	110A	QS11B140XA1	872866	QC11B140XA1	872877	QS31B140XA1	872125	QC31B140XA1	872185
170A	157A	142A	130A	QS11B170XA1	872867	QC11B170XA1	872878	QS31B170XA1	872135	QC31B170XA1	872186
200A	186A	165A	152A	QS11B200XA1	872868	QC11B200XA1	872879	QS31B200XA1	872146	QC31B200XA1	872187

(1) control voltage: 24Vac/dc is also available, please consult GE.
Above values are for altitude < 1000m/3300ft

ASTAT XB and XBm Options

Description	Cat. No.	Ref. No.
Ethernet Communication module	QOEIP	872378
DeviceNet Communication module	QODEV	872379
Modbus RTU Communication module	QOMB	872383
Modbus TCP Communication module	QOMBTCP	872384
Profibus Communication module	QOPDP	872386
Profinet Communication module	QOPRT	872387
USB module	QOUSB	872388
Remote Control Panel	QORCPXB	872392
IP20 finger protection 140 to 200A	QOFPROTXB	872394

Dimensions ASTAT XB and XBm



Dimensions in mm (inch)

Model	A (Width)	B (Width)	C (Height)	D (Height)	E (Depth)	F	G	H	Weight kg (lb)
QS/QCxxB018X	98 (3.85)	82 (3.22)	201 (7.91)	188 (7.40)	165 (6.49)	55 (2.16)	90,5 (3.6)	23 (0.9)	2.1 (4.6)
QS/QCxxB034X									
QS/QCxxB042X									
QS/QCxxB048X									
QS/QCxxB060X	145 (5.70)	124 (4.88)	215 (8.46)	196 (7.71)	193 (7.59)		110,5 (4.4)	37 (1.5)	3.8 (8.4)
QS/QCxxB075X									
QS/QCxxB085X									
QS/QCxxB100X									
QS/QCxxB140X	200 (7.87)	160 (6.29)	240 (9.44)	216 (8.50)	214 (8.42)		114.5 (4.5)	51 (2.0)	6.1 (13.5)
QS/QCxxB170X									
QS/QCxxB200X									

Order codes

Order codes

Current ratings for bypass operation

In-line connection

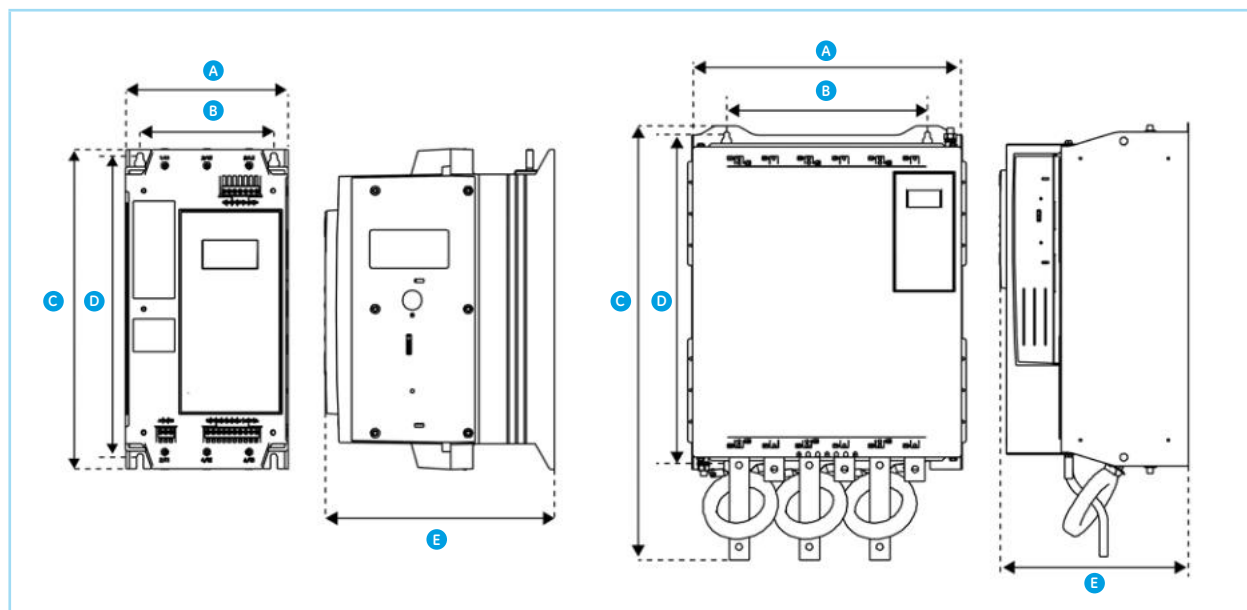
				Mains voltage: 200 to 525Vac ; Control voltage: 110 to 240Vac ⁽¹⁾		Mains voltage: 380 to 690Vac ; Control voltage: 110 to 240Vac ⁽¹⁾	
LIGHT DUTY	NORMAL DUTY	HEAVY DUTY	SEVERE DUTY	ASTAT XL		ASTAT XL	
				Cat. No.	Ref. No.	Cat. No.	Ref. No.
AC53b 3.0-10:350	AC53b 3.5-15:345	AC53b 4.0-20:340	AC53b 4.5-30:330				
40°C							
23A	20A	17A	15A	QL21B023DA1	872221	QL41B023DA1	872337
43A	37A	31A	26A	QL21B043DA1	872239	QL41B043DA1	872338
50A	44A	37A	30A	QL21B050DA1	872241	QL41B050DA1	872339
53A	53A	46A	37A	QL21B053DA1	872243	QL41B053DA1	872340
AC53b 3.0-10:390	AC53b 3.5-15:385	AC53b 4.0-20:580	AC53b 4.5-30:570				
40°C							
76A	64A	55A	47A	QL21B076DA1	872245	QL41B076DA1	872342
97A	82A	69A	58A	QL21B097DA1	872246	QL41B097DA1	872343
100A	88A	74A	61A	QL21B100DA1	872247	QL41B100DA1	872344
105A	105A	95A	78A	QL21B105DA1	872248	QL41B105DA1	872346
145A	123A	106A	90A	QL21B145DA1	872249	QL41B145DA1	872347
170A	145A	121A	97A	QL21B170DA1	872256	QL41B170DA1	872351
200A	189A	160A	134A	QL21B200DA1	872258	QL41B200DA1	872352
220A	210A	178A	148A	QL21B220DA1	872274	QL41B220DA1	872353
255A	231A	201A	176A	QL21B255DA1	872276	QL41B255DA1	872354
255A	231A	201A	176A	QL21X255DA1	872312	QL41X255DA1	872364
350A	329A	284A	244A	QL21B350DA1	872284	QL41B350DA1	872356
360A	360A	310A	263A	QL21X360DA1	872318	QL41X360DA1	872365
380A	380A	359A	299A	QL21X380DA1	872320	QL41X380DA1	872366
425A	411A	355A	305A	QL21B425DA1	872292	QL41B425DA1	872357
430A	430A	368A	309A	QL21X430DA1	872322	QL41X430DA1	872368
500A	445A	383A	326A	QL21B500DA1	872294	QL41B500DA1	872358
580A	492A	425A	364A	QL21B580DA1	872296	QL41B580DA1	872359
620A	620A	540A	434A	QL21X620DA1	872324	QL41X620DA1	872369
650A	650A	561A	455A	QL21X650DA1	872328	QL41X650DA1	872370
700A	592A	512A	438A	QL21B700DA1	872302	QL41B700DA1	872360
790A	790A	714A	579A	QL21X790DA1	872330	QL41X790DA1	872371
820A	705A	606A	516A	QL21B820DA1	872303	QL41B820DA1	872361
920A	804A	684A	571A	QL21B920DA1	872304	QL41B920DA1	872362
930A	930A	829A	661A	QL21X930DA1	872332	QL41X930DA1	872372
1000A	936A	796A	664A	QL21B1K0DA1	872306	QL41B1K0DA1	872363
1200A	1200A	1200A	1071A	QL21X1K2DA1	872333	QL41X1K2DA1	872373
1410A	1410A	1319A	1114A	QL21X1K4DA1	872334	QL41X1K4DA1	872374
1600A	1600A	1600A	1353A	QL21X1K6DA1	872336	QL41X1K6DA1	872376

(1) control voltage: 24Vac/dc is also available, please consult GE.
Above values are for altitude < 1000m/3300ft

ASTAT XL Options

Description	Cat. No.	Ref. No.
Ethernet Communication module	QOEIP	872378
DeviceNet Communication module	QODEV	872379
Modbus RTU Communication module	QOMB	872383
Modbus TCP Communication module	QOMBTCP	872384
Profibus Communication module	QOPDP	872386
Profinet Communication module	QOPRT	872387
USB module	QOUSB	872388
Remote Control Panel	QORCPXL	872391
IP20 finger protection 145 to 220A	QOFPROTXL2	872395
IP20 finger protection 255 to 425A	QOFPROTXL3	872396
IP20 finger protection 500 to 1000A	QOFPROTXL4	872399

Dimensions ASTAT XL



Dimensions in mm (inch)

Model	A (Width)	B (Width)	C (Height)	D (Height)	E (Depth)	Weight kg (lb)
QLxxB0023D	150 (5.9)	124 (4.9)	295 (11.6)	278 (10.9)	183 (7.2)	4.1 (9.0)
QLxxB0043D						
QLxxB0050D					213 (8.4)	4.4 (9.7)
QLxxB0053D						
QLxxB0076D						
QLxxB0097D	275 (10.8)	250 (9.8)	438 (17.2)	380 (15.0)	248 (9.8)	4.9 (10.8)
QLxxB0100D						
QLxxB0105D					296 (11.7)	13.6 (30.0)
QLxxB0145D						13.8 (30.4)
QLxxB0170D						
QLxxB0200D	424 (16.7)	376 (14.8)	440 (17.3)	392 (15.4)	293 (11.5)	14.6 (32.2)
QLxxB0220D						
QLxxB0255D					296 (11.7)	26 (57.3)
QLxxB0350D						29.4 (64.8)
QLxxB0425D						
QLxxB0500D	433 (17.0)	320 (12.6)	640 (25.2)	600 (23.6)	293 (11.5)	49 (108.0)
QLxxB0580D						
QLxxB0700D					296 (11.7)	62.5 (137.8)
QLxxB0820D						
QLxxB0920D						63 (138.9)
QLxxB1000D	390 (15.4)	320 (12.6)	460 (18.1)	400 (15.7)	278 (10.9)	
QLxxX0255D						23 (50.7)
QLxxX0360D					301 (11.9)	36 (79.4)
QLxxX0380D						
QLxxX0430D						
QLxxX0620D	430 (16.9)	320 (12.6)	689 (27.1)	522 (20.6)	362 (14.3)	39.5 (87.1)
QLxxX0650D						
QLxxX0790D					362 (14.3)	51.5 (113.5)
QLxxX0930D						128.5 (283.3)
QLxxX1200D						
QLxxX1410D	574 (22.6)	500 (19.7)	860 (33.9)	727 (28.6)	362 (14.3)	130 (286.6)
QLxxX1600D						140 (308.6)

Order codes

GE Industrial Solutions is a first class global supplier of low and medium voltage products including wiring devices, residential and industrial electrical distribution components, automation products, enclosures and switchboards. Demand for the company's products comes from wholesalers, installers, panelboard builders, contractors, OEMs and utilities worldwide.

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