

BSFT and BSTT Basic AC Induction Motor Soft starters

The BSxT soft starters accelerate and decelerate (BSFT only) simple AC induction motor loads smoothly, save energy and reduce system wear and tear.

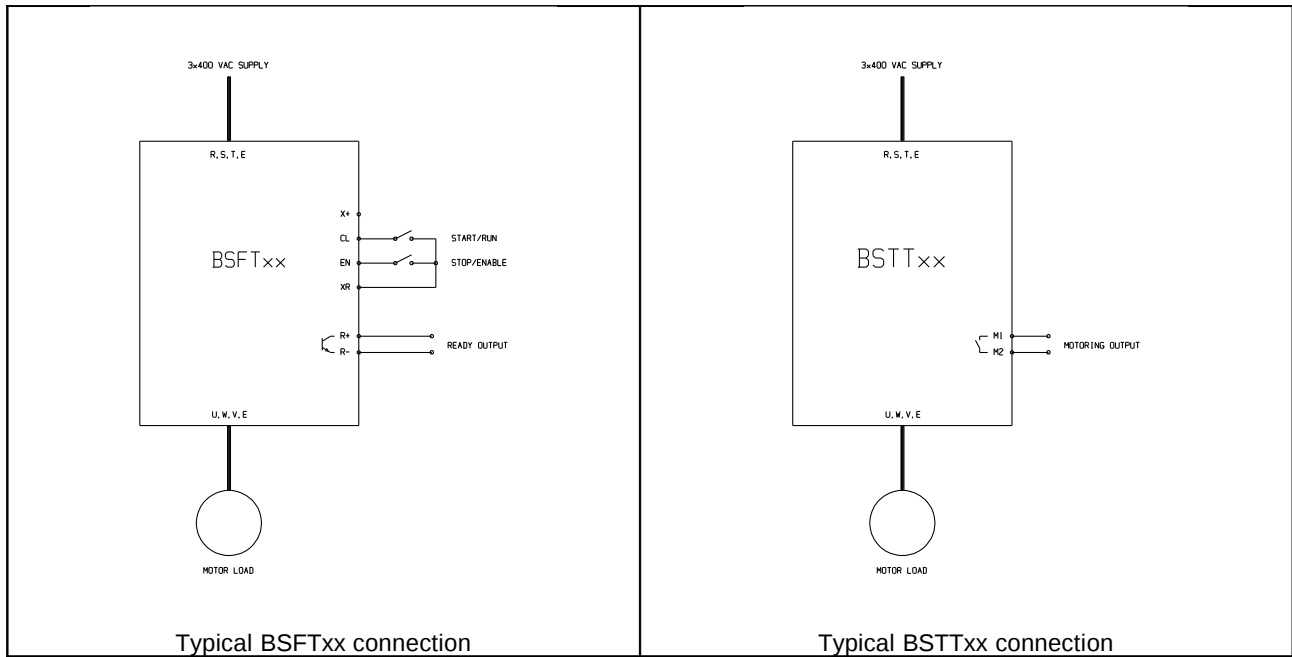


BSTT 11KW soft starter.

They are all partly protected, digitally-controlled and programmable units. They are simple to install and are effectively employed in low cost applications driving:

- Transport systems (conveyors, escalators, roller tables etc.) for low inertia loads,
- Pumps and compressors,
- Hydraulic lift pumps,
- Inelastic transmissions (gear trains, high-ratio belt systems etc.), and
- Fans and ventilators.

BSxT Features	
Power circuit	Starting current and cooling circuit design provides for 55-75 A (starting, per phase), 13-16 HP/10-12 kW loads. The employed 1200 VDC power circuit allows use in up to 3x430 VAC systems.
Integrated bypass relay	Internal relay bypasses the solid state switches to minimize losses.
Electronic protection	Overvoltage, undervoltage, against noise, faults and disturbances in the supply, phase sequence and integrity, internal temperature.
Control method	BSFT is controlled via two, "Run" and "Enable", galvanically isolated inputs, BSTT is activated after power-up.
Ramp profiles	Linear torque, boosted torque, linear voltage (BSTT only), sine voltage (BSTT only).
DIP switch selectable parameters	Ramp profile, deceleration (BSFT only), starting value (30-65%), ramp duration (1-4 s) and activation delay.
Isolated control output	Galvanically isolated "Ready" (BSFT) or "Motoring" (BSTT).
Power supply	Small 24 VDC power supply available to power a local sensor or other automation device.
"Bookcase" enclosure	Installation-friendly, space-saving "bookcase", robust enclosure.
Self-powered from the 3x400 VAC line	Control circuit is powered from the 3x400 VAC line.



Characterizing Features of the BSFT and BSTT Models at 3x400 VAC

Model	Motor power, Delta connected, HP/kW	Motor power, Inside Delta connected, HP/kW	Maximum starting current, A	Motoring phase current, A	Maximum number of starts/hour
BSFT10	14/10	24/17	55	19	Unlimited
BSTT11	15/11	26/19	55	22	60
BSFT12	16/12	27/20	75	25	Unlimited

Ordering Information

Model	Description
BSFT10	10 KW Basic Soft Start-Stop
BSFT12	12 KW Basic Soft Start-Stop
BSTT11	11 KW Basic Soft Start

Supplied by