

Smart-Boost™ Rotary Converters

SB-15

Quick Specs

See back for complete specs

Single Phase Input Voltage: 208 - 245 Volts

3 Phase Rated Output: 208 - 245 Volts

Minimum Single Phase Circuit: 40 Amps

Best Performance Single Motor Start: 7.5HP

Recommended 3 Phase Sizing: 18 Amps

Voltage Balance: Based on input +/-5-10%

Professional. Powerful. Affordable. Smart-Boost™ offers much more than you would expect from a phase converter. Unparalleled starting power for the toughest starting applications.



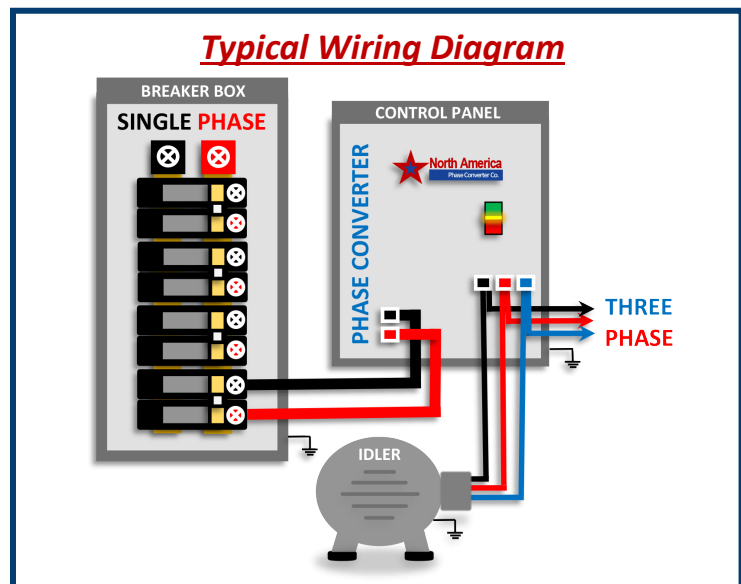
Control Panel Features

- 600% Motor Starting Boost Current
- Built-In Motor Starter with Start/ Stop Push Button Switch
- Digitally Controlled with Solid State Switches
- Complete Phase Power Failure Protection
- Power "ON" Indicator Light
- Voltage Differential Technology
- 10 Year Parts / Lifetime Labor Warranty
- Made In the USA

Idler Generator Features

- Custom Designed Rotary Generators
- Low Impedance/High Efficiency Design
- Custom Copper Windings and Rotor
- Made by ABB / Baldor Electric USA
- Available in ODP and TEFC
- Shielded Windings
- Made In the USA

Typical Wiring Diagram



North America Phase Converter Co.
2728 South 163rd Street
New Berlin, WI 53151
877-545-2926
NorthAmericaPhaseConverters.com



Model	
Brand	NAPCES
Line	Smart-Boost™
Model #	SB-15
General Specifications	
Horse Power (HP)	15
Kilo-watt (kW)	11.4
Frequency (Hz)	60
Generator Type	ODP
Enclosure Type	NEMA 1 (Indoor)
Generator Frame	254
Single Phase Electrical Specifications	
Voltage Input	208-245
Minimum Fuse Size	40
Minimum Circuit Breaker Size	40
Maximum Fuse Size	80
Maximum Circuit Breaker Size	80
Minimum Wire Input	8 AWG
Idle Amperage	4.24
Three Phase Electrical Specifications	
Voltage Output	208-245 based on input voltage
Output Amperage	38
Voltage Balance	10%
Minimum Wire to Generator	8 AWG
Minimum Wire to Load	8 AWG or based on load
Dimensions & Weights	
Enclosure (H X W X D)	17" X 12" X 8"
Idler (Approx.) Length X Diameter	14.5" X 9.5"
Approx. Total Shipping Weight	186 lbs.

The SB-15 Smart-Boost™ Phase Converter is best sized for:	
Easy / Light Motor Loads - up to 10HP	
<i>Examples of Easy Loads: Table Saw, Milling Machine, Drill Press</i>	
Medium Motor Loads - up to 10HP	
<i>Examples of Medium Loads: Belt Sander, Grinder, Mixer</i>	
Hard Motor Loads - up to 7.5HP	
<i>Examples of Hard Loads: Gearhead Lathe, Dust Collector, Fan</i>	
Very Hard Motor Load - up to 7.5HP	
<i>Examples of Very Hard Motor Loads: Air Compressor, Sub. Pump</i>	
CNC, Resistive and Inductive Loads - up to 18 Amps @240 volts	

Sizing Notes SB-15

- For light/easy motor loads:** Size rotary phase converter 1.25 times larger than the motor load
- For medium motor loads:** Size rotary phase converter 1.5 times larger than the motor load
- For heavy/hard motor loads:** Size rotary phase converter double the size of motor load
- For very hard motor loads:** Size rotary phase converter double the size of motor load
- For CNC, resistive and inductive loads:** Consider *Smart-Phase™* Converters



Built-In Motor Stater with Start / Stop Switch



Solid State Controller with Zero Degree Power Switches (Thyristors)



Complete 3 Phase Power Guard Protection