

Smart-Boost™ Rotary Converters

SB-25

Quick Specs

See back for complete specs

Single Phase Input Power - 208 - 245 Volts

Input Amperage Range - 70-125 Amps

Idler HP Rating - 25HP (7.42 kW)

3 Phase Rated Output - 208 - 245 Volts

3 Phase Output Amperage - 65 Amps

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

Professional. Powerful. Affordable. The 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 Made Rotary Phase Converter Generators
- Made by Baldor Electric USA
- Low Impedance/High Efficiency Design
- Available in ODP and TEFC
- Custom Copper Windings and Rotor
- Shielded Windings
- Made In the USA

Easy Installation



Installation made easy with removable back plate, open side walls, oversized wire connections and laser cut knockouts including one for a twist-lock outlet.



North America Phase Converter Co.
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| Model | |
|--|--------------------------------|
| Brand | NAPCES |
| Line | Smart-Boost™ |
| Model # | SB-25 |
| General Specifications | |
| Horse Power (HP) | 25 |
| Kilo-watt (kW) | 18.6 |
| Frequency (Hz) | 60 |
| Generator Type | ODP |
| Enclosure Type | NEMA 1 (Indoor) |
| Generator Frame | 256 |
| Single Phase Electrical Specifications | |
| Voltage Input | 208-245 |
| Minimum Fuse Size | 70 |
| Minimum Circuit Breaker Size | 70 |
| Maximum Fuse Size | 125 |
| Maximum Circuit Breaker Size | 125 |
| Minimum Wire Input | 4 AWG |
| Idle Amperage | 7.42 |
| Three Phase Electrical Specifications | |
| Voltage Output | 208-245 based on input voltage |
| Output Amperage | 65 |
| Voltage Balance | 5-10% |
| Minimum Wire to Generator | 4AWG |
| Minimum Wire to Load | 4 AWG or based on load |
| Dimensions & Weights | |
| Enclosure (H X W X D) | 24" X 18" X 8" |
| Idler (Approx.) Length X Diameter | 17.5" X 11.5" |
| Approx. Total Shipping Weight | 264 lbs. (ODP) |

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| The SB-10 Pro-Line Phase Converter is best sized for: |
| Easy / Light Motor Loads - up to 25 HP |
| <i>Examples of Easy Loads: Table Saw, Milling Machine, Drill Press</i> |
| Medium Motor Loads - up to 25 HP |
| <i>Examples of Medium Loads: Belt Sander, Grinder, Mixer</i> |
| Hard Motor Loads - up to 15 HP |
| <i>Examples of Hard Loads: Gearhead Lathe, Dust Collector, Fan</i> |
| Very Hard Motor Load - up to 12 HP |
| <i>Examples of Very Hard Motor Loads: Air Compressor, Sub. Pump</i> |
| CNC, Resistive and Inductive Loads - 40 Amps @240 Volts |

Sizing Notes SB-25

For light/easy motor loads: Size rotary phase converter that is closest to the total horsepower of your 3 phase loads

For medium motor loads: Size rotary phase converter that is closest to the total horsepower of your 3 phase loads

For heavy/hard motor loads: Size rotary phase converter 1.5 times larger than the motor load

For very hard motor loads: Size rotary phase converter double the size of motor load

For CNC, resistive and inductive loads: Size rotary phase converter double the size of load



Built-In Motor Stater with



Oversized Power Distribution Blocks for Easy Installation



Complete 3 Phase Power Guard Protection