

Blue-Thunder® Serie

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Stick Welding
Power Source



Quick Specs



Applications

Mining Fabrication
Structural Fabrication
Trailer Fabrication
Container Repairs
Maintenance Repair

Process

Stick

Input Power:

253/403: 3 Phase, 230/380-400 VAC 50 Hz

343/443: 3 Phase, 230/380-400/520 VAC 50 Hz

Rated Output:

253: 220 A at 29 VDC 35% DC

343: 320 A at 33 VDC 35% DC

403: 403 A at 36 VDC 35% DC

443: 420 A at 37 VDC 45% DC

Weight:

253: 80,0 kg **403:** 115,0 kg

343: 105,0 kg **443:** 175,0 kg

The Power of Blue.®

Lifting Eyelets

Provide a safe means of lifting the powersource.

Fan cooled design

Provides efficient cooling in the most demanding environments.

Industrial Rated Components & Construction designed to provide long lasting, trouble free performance.

Industrial Running Gear,

design for a variety of terrain. New rubber tires provide smooth and easy maneuverability.

Superior performance arc control technology

provides the operator with a smooth, low spatter class leading arc suitable for a wide variety of applications.



Industrial SMAW System with:

- Large, welding parameter display
- EZ-set, amperage control
- Electrode diameter guide
- Lifting eyelets
- H/Duty Running gear
- Handle/cable carrier
- Robust, reliable construction

Easy-To-Use Interface

Allows the operator to select the correct welding amperage range to suit the desired electrode.

Ergonomic Design

Angled controls & low friction rack system make reading and adjustment of welding current easier.

Quick Connect Weld Terminals

provides simple and convenient & robust connection of weld cables.



Power source is warranted for 3 years, parts and labour.
Original main power rectified parts are warranted for 5 years.



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Specifications



Model	Rated Output @ 35% Duty cycle	Amperage Range	Max. OCV	Amps Input at rated output, 50 Hz 230/380-400 VAC	Amps Input at rated output, 50 Hz 380-/520 VAC	Dimensions	Weight
253	220 A /29 VDC	30-220	59-66 VDC	36/21 A		H: 650 mm W: 410 mm D: 980 mm	80 kg
343	320 A /33 VDC	50-320	56-68 VDC	55/32 A	32/23 A		105 kg
403	400 A /36 VDC	60-400	66-73 VDC	73/42 A			115 kg
443	420 A /37 VDC (@ 45%)	60-420	70-78 VDC	80/47 A	47/34 A	H: 730 mm W: 520 mm D: 1150 mm	175 kg

Ordering Information

Power Source	Stock No.	Description
Blue-Thunder 253	029 016 230	230/400 VAC 3 Phase, 50 Hz
Blue-Thunder 343	029 016 232	230/400 VAC 3 Phase, 50 Hz
Blue-Thunder 343	029 016 233	380/520 VAC 3 Phase, 50 Hz
Blue-Thunder 403	029 016 234	230/400 VAC 3 Phase, 50 Hz
Blue-Thunder 443	029 016 236	230/400 VAC 3 Phase, 50 Hz
Blue-Thunder 443	029 016 237	380/520 VAC 3 Phase, 50 Hz
Accessories		
Welding cable sets, including electrode holder and clamp, Dinse connectors	058 066 041	Welding cable set, length 5 m, 50 mm ²
	058 066 042	Welding cable set, length 10 m, 50 mm ²
	058 066 043	Welding cable set, length 15 m, 50 mm ²
	058 066 044	Welding cable set, length 20 m, 50 mm ²
	058 066 045	Welding cable set, length 5 m, 70 mm ²
	058 066 046	Welding cable set, length 10 m, 70 mm ²
	058 066 047	Welding cable set, length 15 m, 70 mm ²
	058 066 048	Welding cable set, length 20 m, 70 mm ²