

Blue-Thunder[®] series

Stick Welding
Power Source



Quick Specs



Applications
Mining fabrication
Structural fabrication
Trailer fabrication
Container repairs
Maintenance
Repair

Process
Stick (SMAW)

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 Amps at 29 VDC, 35% Duty Cycle 343: 320 Amps at 33 VDC, 35% Duty Cycle 403: 403 Amps at 36 VDC, 35% Duty Cycle 443: 420 Amps at 37 VDC, 45% Duty Cycle
Weight:	253: 80.0 Kg 343: 105.0 Kg 403: 115.0 Kg 443: 175.0 Kg

The Power of Blue.

[®] **Superior performance arc control technology** provides the operator with a smooth, low spatter class leading arc suitable for a wide variety of applications.

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

New Industrial Running Gear, design for a variety of terrain. New rubber tires provide smooth and easy maneuverability.



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

New Easy-To-Use Interface

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

New 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.



Specifications



Model	Rated Output @ 35% Duty cycle	Max. OCV	Amperage Range	Amps Input at rated output, 50/60 Hz 230/380-400VAC	Nominal netroom 50 Hz 38-/520 VAC	Dimensions (mm) L X W x H
253	220 A / 29 VDC	59-66 VDC	30-220	36/21 Amps	32/23 Amps	980 x 410 x 650
343	320 A / 33 VDC	56-68 VDC	50-320	55/32 Amps		980 x 410 x 650
403	400 A / 36 VDC	66-73 VDC	60-400	73/42 Amps		980 x 410 x 650
443	420 A / 37 VDC (@ 45%)	70-78 VDC	60-420	80/47 Amps	47/34 Amps	1150 x 520 x 730

Ordering Information

Power source	Stock No.	Description
Blue-Thunder® 253	029016230	230/400 VAC, 3 Phase, 50 Hz
Blue-Thunder® 343	029016232	230/400 VAC, 3 Phase, 50 Hz
Blue-Thunder® 343	029016233	380/520 VAC, 3 Phase, 50 Hz
Blue-Thunder® 403	029016234	230/400 VAC, 3 Phase, 50 Hz
Blue-Thunder® 443	029016236	230/400 VAC, 3 Phase, 50 Hz
Blue-Thunder® 443	029016237	380/520 VAC, 3 Phase, 50 Hz
Accessories		
Welding cable sets, including electrode holder and clamp, Dinse connectors	058066041	5 m 50mm ²
	058066042	10 m 50mm ²
	058066043	15 m 50mm ²
	058066044	20 m 50mm ²
	058066045	5 m 70mm ²
	058066046	10 m 70mm ²
	058066047	15 m 70mm ²
	058066048	20 m 70mm ²

