

# Blue-Thunder<sup>®</sup> Series



Issued May 2007 • Index No. MN/77.1

**SMAW Arc Welding  
Power Source**



## Quick Specs

### Industrial Applications

Mining fabrication  
Structural Fabrication  
Trailer Fabrication  
Container Repairs  
Maintenance Repair

### Process

STICK (SMAW)  
Scratch TIG (GTAW)

### Input Power

253/403: 3 Phase, 230/380-400 VAC 50/60Hz  
343/443: 3 Phase, 230/380-400/520 VAC 50/60Hz

### Rated Output

253: 220Amps at 29 VDC, 35% Duty Cycle  
343: 320Amps at 33 VDC, 35% Duty Cycle  
403: 400Amps at 36 VDC, 35% Duty Cycle  
443: 420Amps at 37 VDC, 45% Duty Cycle

### Weight

253 Net: 80.0 Kg	Ship: 86.0 Kg
343 Net: 105.0 Kg	Ship: 111.0 Kg
403 Net: 115.0 Kg	Ship: 121.0 Kg
443 Net: 175.0 Kg	Ship: 181.0 Kg



## The Power of Blue.

### Lifting Eyelets

Provide a safe means of lifting the power source

### 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 tyres provide smooth and easy manoeuvrability.

**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

### NEW! Easy-To-Use User 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 & labour.  
Original main power rectifier parts are warranted for 5 years.



### ITW Welding Products Italy S.r.l.

Via Privata Iseo, 6/E  
20098 San Giuliano  
Milanese (MI)  
Italy

Tel: +39 02 982901  
Fax: +39 02 98281552  
E-mail: Miller@itw-welding.it

### Web Site

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

## Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Blue-Thunder® 253	029016230	230/400VAC 3 Phase, 50/60 Hz		
Blue-Thunder® 343	029016232	230/400VAC 3 Phase, 50/60 Hz		
Blue-Thunder® 343	029016233	380/520VAC 3 Phase, 50/60 Hz		
Blue-Thunder® 403	029016234	230/400VAC 3 Phase, 50/60 Hz		
Blue-Thunder® 443	029016236	230/400VAC 3 Phase, 50/60 Hz,		
Blue-Thunder® 443	029016237	380/520-VAC 3 Phase, 50/60 Hz		
<b>Accessories</b>				

Total Price Quoted:



Distributed By: