

CIGWELD
Professional

Portable Welding Inverters



Introduction

CIGWELD Professional: When welding is your business

At CIGWELD we distinguish ourselves from our competition through superior featured, dependable products, technical innovation and excellence in customer service and technical support.

Our Professional Inverter range is proof of this commitment to deliver quality equipment that exceeds expectations. A wealth of features and options make this equipment the perfect choice for the serious welding professional.

The CIGWELD Portable Inverter range

The CIGWELD range of Inverter welding power supplies are fully featured and deliver outstanding arc characteristics thanks to advanced embedded microprocessor technology and digital control.















Equipped standard is a compliant VRD (voltage reduction device), which greatly improves operator safety in the field or workshop. This fully integrated VRD technology all but eliminates the risk of electric shock from the secondary welding circuit.

Combine all these market leading features into a compact, efficient, portable inverter design with a full range of packaged accessories and you have the ultimate fully featured professional range for construction, mining, shipbuilding, rental hire and other industrial applications.

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Symbol reference chart

	Suitable for Stick welding (MMAW)		Direct Current
	Suitable for TIG welding (GTAW)		Constant Current
	Suitable for MIG welding		Constant Voltage
	Suitable for Gouging (CAG)		Inverter
	Number of phases (input)		Maximum output current
	Input voltage		Power factor correction
	Pulse		High frequency start for improved TIG starting performance

400i Features and Benefits

Standards compliant VRD,
with visible ON/OFF LEDs

Digital hot start,
fully adjustable for optimum
arc starting and striking
characteristics with all
electrode types and diameters

**Embedded digital
microprocessor**
for functionality & control

- Self diagnostic
- Single index control knob
- Digital preview & welding
display

Generator friendly,
suitable for use on
appropriate engine driven
equipment

Voltage compensation,
input line voltage

Digital touch pad control

Thermal overload protection
for long life of internal
components

Programmable memory
Save/Load and recall
optimum welding parameters


8/14 pin socket

- Torch slider control
- Remote foot control
- Remote pendant control
- Wirefeeders (400i only)

Intelligent fan control
operates on-demand

**Exceptional arc
characteristics**

Standards compliance:

- EMC compliance  N1890
- AS1674.2 compliant
for Category A, B & C
environments
- AS60974.1
- IP 23S rating designed &
approved for outdoor use

**Designed for multi-layer
stacking**
with similar sized machines

Portable,
ultra lightweight, heavy duty
robust design & construction



250i Features and Benefits



TRANSMIG 175i



Specifications

Processes

MIG (GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)

Supply Voltage

240 volt AC +/-15%, 50/60Hz (15A plug)

Current Range

10 – 175 amps

Duty Cycle

MIG (GMAW/FCAW): 25%@175A, 22.8V (40°C, 10mins)

Stick (MMAW): 20%@175A, 27.0V (40°C, 10mins)

TIG (GTAW): 25%@175A, 17.0V (40°C, 10mins)

Recommended Generator

9 kVA for max. welding current

Power Source Weight

Power source: 14.6kg; Plant (packed): 23.0kg

Power Source Dimensions

Power source: 410mm(H) x 210mm(W) x 450mm(D)

Plant: 460mm(H) x 320mm(W) x 590mm(D)

Features

- Full multi process capabilities: GMAW/FCAW (MIG), MMAW (STICK), GTAW (TIG)
- Standards Compliant Voltage Reduction Device (VRD)
- Fully compliant to AS 60974.1
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- 3 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details



Plant Part No. W1005175

Ordering Information

TRANSMIG 175i power source	W1005177
TRANSMIG 175i plant	W1005175

Power Source Contents

TRANSMIG 175i inverter power source, shielding gas hose assembly, shoulder strap, operating manual



Power Source Part No. W1005177

The CIGWELD TRANSMIG 175i is a self contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

Plant Contents

Transmig 175i Inverter power source
Tweco Professional Fusion MIG Torch 3m
COMET Professional Argon regulator/flowmeter
Feed rolls: 0.6/0.8mm V groove (fitted); 1.0/1.2mm U groove; 0.8/0.9mm V knurled
Contact tips: 0.8mm (fitted); 0.6mm; 0.9mm; 1.0mm
Electrode holder with 4m lead
Work clamp with 4m lead
Shielding gas hose assembly
Shoulder strap
Product bag
Operating manual

Optional Accessories

Tweco Professional Fusion 250 MIG Torch 3m	W4013701
TIG Torch 17V, 4m lead, RTC	W4013800
Feed roll 0.6/0.8mm V groove (hard) fitted	7977036
Feed roll 0.9/1.2mm V groove (hard)	7977660
Feed roll 0.8/0.9mm U groove (soft)	7977731
Feed roll 1.0/1.2mm U groove (soft)	7977264
Feed roll 0.8/0.9mm V knurled (flux cored)	7977732
Feed roll 1.2/1.6mm V knurled (flux cored)	704277



TRANSMIG 200i

Specifications

Processes

MIG (GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)

Supply Voltage

240 volt AC +/-15%, 50/60Hz (15A plug)

Current Range

10 – 210 amps (MIG mode)

Duty Cycle

MIG (GMAW/FCAW): 210A@20%, 24.5V (40°C, 10mins)

Stick (MMAW): 200A@25%, 28V (40°C, 10mins)

TIG (GTAW): 200A@25%, 18V (40°C, 10mins)

Recommended Generator

7 kVA for max. welding current

Power Source Weight

26kg; Plant: 34kg

Power Source Dimensions

435mm(H) x 266mm(W) x 617mm(D)

Plant: 483mm(H) x 378mm(W) x 705mm(D)

Features

- Full multi process capabilities: GMAW/FCAW (MIG), MMAW (STICK), GTAW (TIG)
- Standards Compliant Voltage Reduction Device (VRD)
- PFC (Power Factor Correction)
- Fully compliant to AS 60974.1
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- 3 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details



Plant Part No. W1005200

Ordering Information

TRANSMIG 200i power source	W1005201
TRANSMIG 200i plant	W1005200

Power Source Contents

TRANSMIG 200i inverter power source, shielding gas hose assembly, operating manual



Power Source Part No. W1005201



The CIGWELD TRANSMIG 200i is a self contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), PFC (power factor correction), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

Plant Contents

Transmig 200i Inverter power source
Tweco Professional Fusion MIG Torch, 3m
COMET Professional Argon regulator/flowmeter
Feed Rolls: 0.6/0.8mm V Groove (fitted); 1.0/1.2mm V Groove; 1.0/1.2mm U Groove 0.8/0.9mm V Knurled; 1.2/1.6mm V Knurled
Contact tips: 0.8mm (fitted); 0.6mm; 0.9mm; 1.0mm
Electrode holder with 4m lead
Work clamp with 4m lead
Shielding gas hose assembly
Operating manual

Optional Accessories

Transmig Welding Equipment Trolley	W4015000
Transmig 200i Roll Cage Kit	W4015103
Tweco Professional Fusion 250 MIG Torch, 3m	W4013701
Tweco Professional No.2 MIG Torch, 3.6m	OTWX212/3035
TIG Torch 17V, gas valve, 4m lead	W4013801
TIG Torch 17V, gas valve, 4m lead, remote control	W4013800
Shielding Gas Hose assembly	W7004913
Feed roll 0.6/0.8mm V groove (hard) fitted	7977036
Feed roll 0.9/1.2mm V groove (hard)	7977660
Feed roll 0.8/0.9mm U groove (soft)	7977731
Feed roll 1.0/1.2mm U groove (soft)	7977264
Feed roll 0.8/0.9mm V knurled (flux cored)	7977732
Feed roll 1.2/1.6mm V knurled (flux cored)	704277

TRANSMIG 250i



Specifications

Processes

MIG (GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)

Supply Voltage

240 volt AC +/-15%, 50/60Hz (15A plug)**

Current Range

5 – 250 amps

Duty Cycle

MIG (GMAW/FCAW): 250A@40% (40°C, 10mins)

Stick (MMAW): 230A@40% (40°C, 10mins)

TIG (GTAW): 250A@40% (40°C, 10mins)

Recommended Generator

8.5 kVA for max. welding current

Power Source Weight

Power source: 29.5kg; Plant: 42kg

Power Source Dimensions

Power source: 440mm(H) x 260mm(W) x 600mm(D)

Plant: 630mm(H) x 378mm(W) x 705mm(D)

Features

- Full multi process capabilities: GMAW/FCAW (MIG), MMAW (STICK), GTAW (TIG)
- Standards Compliant Voltage Reduction Device (VRD)
- Fully compliant to AS 60974.1
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- PFC (Power Factor Correction)
- 3 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

For maximum duty cycle to be achieved, input plug and lead must be upgraded**



Plant Part No. W1003250

Ordering Information

TRANSMIG 250i power source	W1003251
TRANSMIG 250i plant	W1003250

Power Source Contents

TRANSMIG 250i inverter power source, shielding gas hose assembly, operating manual



Power Source Part No. W1003251

The CIGWELD TRANSMIG 250i is a self contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), PFC (power factor correction), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

Plant Contents

Transmig 250i Inverter power source
Tweco Professional Fusion 250 MIG Torch, 3.6m
COMET Professional Argon regulator/flowmeter
Feed Rolls: 0.9-1.2mm V Groove (fitted); 0.6-0.9mm V Groove; 1.2mm V Groove; 1.2mm U Groove; Pressure Roll 0.6-1.2mm (fitted)
Contact tips: 0.8mm, 0.9mm (fitted), 1.0mm, 1.2mm
Electrode holder with 4m lead
Work clamp with 4m lead
Shielding gas hose assembly
Operating manual

Optional Accessories

Transmig 2RT Wirefeeder	W3000500
Transmig Welding Equipment Trolley	W4015000
Transmig 250i Roll Cage Kit	W4015100
Tweco Professional Fusion 250 MIG Torch 3.6m, Euro	OTWF212X3035
Tweco Professional No.4 MIG Torch 3.6m, Euro	OTWX412/3545
TIG Torch 26, flex neck, 4m	W4014600
TIG Torch 26V, flex neck, gas valve, 4m	W4014601
TIG Torch Gas Control Kit (used with TIG Torch W4014600)	W4014200
Feed Roll 0.6-0.9mm V Groove (Hard)	W6001102
Feed Roll 1.0/1.2mm V Groove (Hard)	W6001103
Feed Roll 1.2mm V Knurled (Flux Cored)	W6001104
Feed Roll 1.6mm V Knurled (Flux Cored)	W6001105
Feed Roll 0.9mm U Groove (Soft)	W6001106
Feed Roll 1.0mm U Groove (Soft)	W6001107
Feed Roll 1.2mm U Groove (Soft)	W6001108



TRANSMIG 400i

Specifications

Processes

Lift TIG (GTAW); Stick (MMAW); MIG (GMAW)

Supply Voltage

415 volt, 3 phase, 50/60Hz

Current Range

5 – 400 amps

Duty Cycle

25% @ 400 amps (GTAW 40°C)

Recommended Generator

16 kVA for max. welding current

Power Source Weight

25kg

Power Source Dimensions

210 W x 420 H x 450 D mm

Features

- Compliant integrated Voltage Reduction Device
- Save/Load (Recall) weld programs
- Embedded micro-processor with digital controls
- Intelligent heat sensing fan operates on demand
- Easy to use digital display and panel control
- Exceptional DC welding characteristics
- MIG, Lift TIG & MMAW modes
- Fully adjustable weld parameters
- Intelligent self diagnostic control
- 2 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

Ordering Information

TRANSMIG 400i power source

710014

Power Source Contents

400i power source, 14 pin plug, 2 x 50mm dinse plugs, operating manual



Power Source Part No. 710014

The TRANSMIG 400i is a 415 volt, full digital control, DC MIG/ Stick/Lift TIG power source. Features include variable inductance, digital voltmeter and digital ammeter making this the ultimate unit designed for precision MIG welding of steel and other DC weldable materials. The unit also has an integrated Voltage Reduction Device (VRD) for improved operator safety.

Please refer to specifications at rear of brochure for comprehensive information

Optional Accessories

VAF-4 wirefeeder	705700
Tweco No.4 MIG gun	717201
Work lead (8m)	705161
Slide control	OTD10/2004
Hand pendant	OTD10/2005
Foot control	OTD10/2007
TIG Torch (4m)	424720401
Torch accessories kit	BGSAK2
Gas hose	700433
Flowmeter/regulator	301526
Lead set (8m)	646325
14 pin plug	7977710

TRANSTIG 200AC/DC



Specifications

Processes

Lift TIG, HF TIG (GTAW); Stick (MMAW)

Supply Voltage

240 volt, 1 phase, 50/60Hz

Current Range

5 – 200 amps (TIG)

Duty Cycle

20% @ 200 amps (GTAW, 40°C)

Recommended Generator

8.8 kVA for max. welding current

Power Source Weight

19kg

Power Source Dimensions

180 W x 360 H x 420 D mm

Features

- Compliant integrated Voltage Reduction Device
- Embedded micro-processor with digital controls
- Intelligent heat sensing fan operates on demand
- Easy to use digital display and panel control
- HF start TIG, Lift TIG & MMAW modes
- 2T, 4T with up/down slope and repeat function
- Intelligent self diagnostic control
- Save/Load (Recall) weld programs
- 2 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details



Plant Part No. 700735

Ordering Information

TRANSTIG 200AC/DC power source	700719
TRANSTIG 200AC/DC plant	700735

Power Source Contents

200AC/DC power source, 8 pin plug, 2 x 50mm
dinse plugs, operating manual



Power Source Part No. 700719

The TRANSTIG 200AC/DC is a 240 volt, full digital control, AC/DC Stick/Lift TIG, HF TIG Inverter power source. Featuring high frequency start, Lift TIG arc start, up/down slope, pulse on AC or DC, repeat (latch) function and spot mode, you've got the ultimate unit designed for precision TIG welding of aluminium, stainless steel and other AC/DC weldable materials. This unit also has an integrated VRD for improved operator safety when Stick (MMAW) welding steel and other AC/DC weldable materials.

Please refer to specifications at rear of brochure for comprehensive information.

Plant Contents

TRANSTIG 200AC/DC power source
26 series TIG Torch, 4m lead with remote current control
5m work lead
5m electrode holder
COMET Argon regulator, 0-55 l/min 2 gauge
Gas hose for TIG Torch
TIG accessory kit
Plant storage and carry case
Operation manual

Optional Accessories

Slide control	OTD10/4013
Hand pendant	OTD10/4014
Foot control	OTD10/4016
8 pin plug	UOA706900



TRANSTIG 300AC/DC

Specifications

Processes

Lift TIG, HF TIG (GTAW); Stick (MMAW)

Supply Voltage

415 volt, 3 phase, 50/60Hz

Current Range

5 – 300 amps

Duty Cycle

25 % @ 300 amps (GTAW 40°C)

Recommended Generator

16 kVA for max. welding current

Power Source Weight

24kg

Power Source Dimensions

210 W x 420 H x 450 D mm

Features

- Compliant integrated Voltage Reduction Device
- Save/Load (Recall) weld programs
- Embedded micro-processor with digital controls
- Intelligent heat sensing fan operates on demand
- Easy to use digital display and panel control
- HF start TIG, Lift TIG & MMAW modes
- 2T, 4T with up/down slope and repeat function
- Intelligent self diagnostic control
- 2 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

Ordering Information

TRANSTIG 300AC/DC power source

700723

Power Source Contents

300AC/DC power source, 14 pin plug, 2 x 50mm dinse plugs, 5/8"-18 UNF gas connection, operating manual



Power Source Part No. 700723

The TRANSTIG 300AC/DC is a 415 volt, full digital control, AC/DC Stick/Lift TIG, HF TIG power source. Featuring high frequency start, Lift TIG arc start, up/down slope, welding program save/recall, pulse on AC or DC, repeat (latch) function and spot mode, you've got the ultimate unit designed for precision TIG welding of aluminium, stainless steel and other AC/DC weldable materials. This unit also has an integrated VRD for improved operator safety when Stick (MMAW) welding steel and other AC/DC weldable materials.

Please refer to specifications at rear of brochure for comprehensive information.

Optional Accessories

Slide control	OTD10/2004
Hand pendant	OTD10/2005
Foot control	OTD10/2007
TIG Torch (4m)	528720401
Torch accessories kit	BGSAK2
Gas hose	700433
Flowmeter/regulator	301526
Lead set (8m)	646325
14 pin plug	7977710

TRANSARC 141VRD



Specifications

Processes

Lift TIG (GTAW); Stick (MMAW)

Supply Voltage

240 volt, 1 phase, 50/60Hz

Current Range

5 – 140 amps DC

Duty Cycle

60% @ 140 amps (Stick)

70% @ 140 amps (TIG)

Recommended Generator

8 kVA for max. welding current

Power Source Weight

8kg

Power Source Dimensions

230 W x 185 H x 310 D mm

Features

- Compliant integrated Voltage Reduction Device
- Designed for AS1674.2 category A, B & C environments; EMC compliant
- Embedded microprocessor with digital controls
- Exceptional DC welding characteristics
- Stick, Lift TIG & Pulse Lift TIG weld operations
- Single index control knob
- Compact, lightweight & portable
- 18 Month Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details



Power Source Part No. 625775

The TRANSARC 141 VRD is a single phase Stick (MMAW) and Lift TIG (GTAW) inverter welding power source that incorporates a Voltage Reduction Device (VRD) as a standard feature. The integral VRD in the manual arc welding mode offers much needed protection for the welding operator from electric shock during non-arcing times. Additionally, the application of state of the art digital and microprocessor technology ensures superior arc characteristics especially during the critical arc starting and re-strike phases.

Please refer to specifications at rear of brochure for comprehensive information.



Plant Part No. 625779

Ordering Information

TRANSARC 141 VRD power source	625775
TRANSARC 141 VRD plant	625779

Power Source Contents

141 VRD power source, operating manual

Plant Contents

141 VRD power source
5m work lead
5m electrode lead
Soft carry case
Operating manual

Optional Accessories

Manual arc lead set	646323
165 amp TIG Torch	404710402
TIG Torch accessories kit	BGSAK2
Torch gas hose kit (includes fittings)	700433
Flowmeter/regulator	301526
Dinse plug connector	705152
Work lead (4m)	700638
6 pin & earth plug	700738



TRANSARC 161VRD

Specifications

Processes

Lift TIG (GTAW); Stick (MMAW)

Supply Voltage

240 volt, 1 phase, 50/60Hz

Current Range

5 – 160 amps DC

Duty Cycle

60% @ 160 amps (Stick)

70% @ 160 amps (TIG)

Recommended Generator

8.5 kVA for max. welding current

Power Source Weight

8.5kg

Power Source Dimensions

230 W x 185 H x 310 D mm

Features

- Compliant integrated Voltage Reduction Device
- Designed for AS1674.2 category A, B & C environments; EMC compliant
- Embedded microprocessor with digital controls
- Exceptional DC welding characteristics
- Stick, Lift TIG & Pulse Lift TIG weld operations
- Single index control knob
- Compact, lightweight & portable
- 18 Month Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details



Power Source Part No. 625799

The TRANSARC 161 VRD is a single phase Stick (MMAW) and Lift TIG (GTAW) inverter welding power source that incorporates a Voltage Reduction Device (VRD) as a standard feature. The integral VRD in the manual arc welding mode offers much needed protection for the welding operator from electric shock during non-arcing times. Additionally, the application of state of the art digital and microprocessor technology ensures superior arc characteristics especially during the critical arc starting and re-strike phases.

Please refer to specifications at rear of brochure for comprehensive information.



Plant Part No. 625802

Ordering Information

TRANSARC 161 VRD power source	625799
TRANSARC 161 VRD plant	625802

Power Source Contents

161 VRD power source, operating manual

Plant Contents

161 VRD power source
5m work lead
5m electrode lead
Soft carry case
Operating manual

Optional Accessories

Manual arc lead set	646323
165 amp TIG Torch	404710402
TIG Torch accessories kit	BGSAK2
Torch gas hose kit (includes fittings)	700433
Flowmeter/regulator	301526
Dinse plug connector	705152
Work lead (4m)	700638
6 pin & earth plug	700738

Optional Accessories

	Description	Part No.	Contents
	17 Series air cooled TIG Torch (suitable for 141/161 VRD)	404710402	TIG Torch with 4 metre cable
	17 series air cooled TIG Torch (suitable for TRANSMIG 175i/200i)	W4013800	TIG Torch with 4m cable, gas valve & remote current control
	17 Series air cooled TIG Torch (suitable for TRANSMIG 200i)	W4013801	TIG Torch with 4m cable & gas valve
	26 Series air cooled TIG Torch (suitable for TRANSMIG 250i)	W4014600	TIG Torch with 4m cable & flex neck
	26 Series air cooled TIG Torch (suitable for TRANSMIG 250i)	W4014601	TIG Torch with 4m cable, flex neck and gas valve
	TIG Torch gas control kit	W4014200	gas control kit to be used with TIG Torch W4014600
	26 Series air cooled TIG Torch (suitable for 300 AC/DC; 300Pi)	548720401	TIG Torch with 4 metre cable & remote current control
	Tweco® No. 4 MIG Torch	717201	MIG Torch with 3.6m cable & T4 connection
	Tweco No. 4 MIG Torch	OTWX412/3545	MIG Torch with 3.6m cable & Euro connection
	Tweco Fusion 250 MIG Torch	OTWF212X3035	MIG Torch with 3.6m cable & Euro connection
	COMET regulator	301527	Regulator only
	COMET flowmeter 0-15 l/min	301710	Flowmeter only
	COMET flowmeter 10-40 l/min	301711	Flowmeter only
	COMET regulator/flowmeter	301526	Regulator/flowmeter combination
	200 Amp lead set, 5 metre	646323	1 x 5m work lead; 1 x 5m electrode holder
	400 Amp lead set, 8 metre	646325	1 x 8m work lead; 1 x 8m electrode holder
	Slide controller	OTD 10/4013 OTD 10/2004	slider suitable for 200Pi, 200AC/DC slider suitable for 300Pi, 300AC/DC, 400i
	Hand pendant	OTD 10/4014 OTD 10/2005	hand pendant suitable for 200Pi, 200AC/DC hand pendant suitable for 300Pi, 300AC/DC, 400i
	Foot controller	OTD 10/4016 OTD 10/2007	foot controller only for 200Pi, 200AC/DC foot controller only for 300Pi, 300AC/DC, 400i
	VAF-4 Wirefeeder	705700	VAF-4 wirefeeder, 8m interconnection, operating manual
	TRANSMIG 2RT Wirefeeder	W3000500	2RT wirefeeder, operating manual
	TRANSMIG Welding equipment trolley (suitable for TRANSMIG 200i/250i)	W4015000	Welding equipment trolley, assembly instructions
	TRANSMIG 200i roll cage kit	W4015103	Roll cage kit, assembly instructions
	TRANSMIG 250i roll cage kit	W4015100	Roll cage kit, assembly instructions

Specifications

DESCRIPTION	TRANSMIG 175i	TRANSMIG 200i	TRANSMIG 250i	TRANSARC 141VRD
Power Source Part No.	W1005177	W1005201	W1003251	625775
Plant Part No.	W1005175	W1005200	W1003250	625779
WELDING OUTPUT				
Maximum output	175 amps DC	210 amps DC	250 amps DC	140 amps DC
Maximum GTAW duty cycle @ 40°C	25%@175A	25%@200A	40%@250A	70%@140A
Maximum MMAW duty cycle @ 40°C	20%@175A	25%@200A	40%@230A	60%@140A
Maximum GMAW duty cycle @ 40°C	25%@175A	20%@210A	40%@250A	–
GTAW (TIG) duty cycle @ 100%	88 amp	101 amp	150 amp	110 amp
MMAW (Stick) duty cycle @ 100%	78 amp	101 amp	150 amp	110 amp
GMAW (MIG) duty cycle @ 100%	88 amp	101 amp	150 amp	–
GTAW current range	10-175 amp	10-200 amp	5-300 amp	5-140 amp
MMAW current range	10-175 amp	10-200 amp	20-230 amp	5-140 amp
GMAW current range	30-175 amp	30-210 amp	20-300 amp	–
GMAW arc voltage range	10-25 volt	10-26 volt	14-30 volt	–
Current control	Infinitely variable	Infinitely variable	Infinitely variable	Infinitely variable
WELDING MODES				
Lift TIG DC	•	•	•	•
Lift TIG DC with Pulse	–	–	–	•
HF Start TIG DC	–	–	–	–
HF Start TIG DC with Pulse	–	–	–	–
Stick DC with VRD	•	•	•	•
HF Start TIG AC	–	–	–	–
HF Start TIG AC with Pulse	–	–	–	–
Stick AC with VRD	–	–	–	–
MIG Weld Mode	•	•	•	–
PRIMARY POWER				
Input voltage	240 Volt	240 Volt	240 Volt	240 Volt
Rated input current	15 amp	15 amp	22.4 amp	21 amp
Maximum input current	35.5 amp	29 amp	34.7 amp	28 amp
Recommended generator kVA	9 kVA	7 kVA	10 kVA	8 kVA
FEATURES				
Warranty period	3 Year*	3 Year*	3 Year*	18 months*
Standard weld mode (2T)	•	•	•	•
Latch weld mode (4T)	•	•	•	–
Repeat weld mode (4T repeat)	–	–	–	–
Spot welding TIG	–	–	–	–
Spot welding MIG	–	–	0.1 - 20 sec	–
Pre-flow time	–	–	0 - 5 sec	–
Hot start current	•	•	•	•
Initial current	–	–	–	–
Up slope time TIG	–	–	0 - 30 sec	–
Peak current	–	–	–	–
Lift TIG weld mode	•	•	•	•
Stick weld mode	•	•	•	•
MIG weld mode	•	•	–	–
Spot time MIG	–	–	0.1 - 20 sec	–
Stitch time	–	–	0.2 - 4 sec	–
Dwell Time MIG	–	–	0.1 - 0.5 sec	–
Pulse width TIG	–	–	•	–
Pulse frequency TIG	–	–	–	3 Hz or 175 Hz
AC frequency TIG	–	–	–	–
AC wave balance TIG	–	–	–	–
Down slope time TIG	0 - 10 sec	0 - 10 sec	0 - 30 sec	–
Crater current TIG	–	–	–	–
Post-flow time TIG & MIG	–	–	0 - 30 sec	–
Arc force control Stick	0 - 100%	0 - 100%	0 - 100%	•
Inductance control MIG	0 - 100%	0 - 100%	0 - 100%	–
DIMENSIONS & WEIGHT				
Dimensions H x W x D mm	410x210x450	435x266x617	440x260x600	230x185x310
Weight (power source only) kg	14.6	26	29.5	8

*Refer to warranty schedule for details.

MMAW = Manual Metal Arc Welding (Stick) GTAW = Gas Tungsten Arc Welding (TIG) GMAW = Gas Metal Arc Welding (MIG)

Specifications

DESCRIPTION	TRANSARC 161VRD	TRANSTIG 200AC/DC	TRANSTIG 300AC/DC	TRANSMIG 400i
Power Source Part No.	625799	700719	700723	710014
Plant Part No.	625801	700735	–	–
WELDING OUTPUT				
Maximum output	160 amp DC	200 amp AC/DC	300 amp AC/DC	400 amp DC
Maximum GTAW duty cycle @ 40°C	60%@160 amp	20%@200 amp	25%@300 amp	25%@400 amp
Maximum MMAW duty cycle @ 40°C	60%@160 amp	40%@160 amp	25%@300 amp	25%@400 amp
Maximum GMAW duty cycle @ 40°C	–	–	–	25%@400 amp
GTAW @ 100% duty cycle	125 amp	100 amp	150 amp	200 amp
MMAW @ 100% duty cycle	125 amp	100 amp	150 amp	200 amp
GMAW @ 100% duty cycle	–	–	–	200 amp
GTAW current range	5-160 amp	5-200 amp	5-300 amp	5-400 amp
MMAW current range	5-160 amp	5-160 amp	5-300 amp	5-400 amp
Welding voltage range	10-26.4 volt	10-26.4 volt	10-32 volt	10-36 volt
Current control	Infinitely variable	Infinitely variable	Infinitely variable	Infinitely variable
WELDING MODES				
Lift TIG DC	•	•	•	•
Lift TIG DC with Pulse	•	•	•	–
HF Start TIG DC	–	•	•	–
HF Start TIG DC with Pulse	–	•	•	–
Stick DC with VRD	•	•	•	•
HF Start TIG AC	–	•	•	–
HF Start TIG AC with Pulse	–	•	•	–
Stick AC with VRD	–	•	•	–
MIG Weld Mode	–	–	–	•
PRIMARY POWER				
Input voltage	240 volt	240 volt	415 volt	415 volt
Rated input current	25 amp	23.2 amp	11.1 amp	16.7 amp
Maximum input current	33 amp	36.7 amp	22.3 amp	33.4 amp
Recommended generator kVA	8.5 kVA	8.8 kVA	16 kVA	24 kVA
FEATURES				
Warranty period	18 months*	3 years *	3 years*	3 years*
Standard weld mode (2T)	•	•	•	•
Latch weld mode (4T)	–	•	•	–
Repeat weld mode (4T repeated)	•	•	•	–
Spot welding in TIG mode	–	•	•	–
Pre-flow time	–	0-1.0 sec	0-1.0 sec	–
Hot start current	–	0-70 amp	0-70 amp	0-70 amp
Initial current	–	5-200 amp	5-300 amp	–
Up slope time	–	0-15 sec	0-15 sec	–
Peak current	–	5-200 amp	5-300 amp	–
Base weld output	–	5-200 amp	5-300 amp	5-400 amp
Stick	–	5-160 amp	5-300 amp	5-400 amp
MIG	–	–	–	14.3-34 volt
Spot time	–	0.5-5.0 sec	0.5-5.0 sec	–
Pulse width	–	15-80%	15-80%	–
Pulse frequency	–	0.5-500 Hz	0.5-500 Hz	–
AC frequency	–	15-150 Hz	15-150 Hz	–
AC wave balance	–	10-65%	10-65%	–
Down slope time	–	0-25 sec	0-25 sec	–
Crater current	–	5-200 amp	5-300 amp	–
Post-flow time	–	0-60 sec	0-60 sec	–
Arc force control (Stick mode)	–	–	–	0-100%
DIMENSION & WEIGHT				
Dimensions H x W x D mm	230x185x310	360x180x420	420x210x450	420x210x450
Weight (power source only) kg	8.5	19	24	25

*Refer to warranty schedule for details.

MMAW = Manual Metal Arc Welding (Stick) GTAW = Gas Tungsten Arc Welding (TIG) GMAW = Gas Metal Arc Welding (MIG)



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