

Dynasty® 400

Part No: MR907717002

Exceptionally Smooth & Precise Arc.



APPLICATIONS	PROCESSES
Precision Fabrication	TIG (GTAW)
Heavy Fabrication	Stick (MMAW)
Aerospace	Pulsed TIG (GTAW-P)
Pipe and Tube Fabrication	Air Carbon Arc (CAC-A)
Aluminium Ship Repair	
Anodized Aluminium Fabrication	

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

PROGRAM MEMORY

Features 9 independent program memories that maintain/save your parameters.

AUTO-POSTFLOW

- > Calculates the length of postflow time based on the Amperage setting.
- > This eliminates the need to independently set the postflow time for different Amperages.
- > This feature preserves your tungsten and prevents porosity.

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AC TIG FEATURES

INDEPENDENT AMPLITUDE/AMPERAGE

BALANCE CONTROL

Provides adjustable oxide removal which is essential for creating the highest quality aluminum welds. Features extended ranges.

FREQUENCY

Controls the width of the arc cone and can improve directional control of the arc.

DC TIG FEATURES

EXCEPTIONALLY SMOOTH AND PRECISE ARC

For welding exotic materials.

AC/DC PULSE

Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.

AC/DC STICK FEATURES

DIG CONTROL

Allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

HOT START™ ADAPTIVE CONTROL

Provides positive arc starts without sticking.

AC FREQUENCY CONTROL

Adds stability for smoother welds when AC Stick welding.

METER CALIBRATION

Allows meters to be calibrated for certification.

AC WAVEFORMS

ADVANCED SQUAREWAVE

Fast freezing puddle, deep penetration and fast travel speeds.

SOFT SQUAREWAVE

For a soft buttery arc with maximum puddle control and good wetting action.

SINE WAVE

For customers that like a traditional arc. Quiet with good wetting.

TRIANGULAR WAVE

Reduces the heat input and is good on thin aluminum. Fast travel speeds.

COOLER POWER SUPPLY (CPS)

An integrated 120-volt dedicated-use receptacle for the Coolmate™ 3.5.

LIFT-ARC™ STARTING

Provides AC or DC arc initiation without the use of high frequency.

BLUE LIGHTNING™

High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

VRD FUNCTIONALITY

Comes with Voltage Reduction Device (VRD), compliant with AS1672.2 2007 Category C Environment.

Please note: VRD can be disabled in Advanced Tech Menu by pressing a combination of unmarked buttons.

WIND TUNNEL TECHNOLOGY™

Protects internal electrical components from airborne contaminants, extending the product life.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

AMP RANGE	INPUT VOLTAGE	RATED OUTPUT	INPUT AT RATED OUTPUT, 50/60 HZ			MAX. OPEN-CIRCUIT VOLT.	DIM. (MM)	WEIGHT
			AMPS	KW	KVA			
3 - 400A	400 V 3 PH	400 A at 36 V 20% Duty Cycle	28	18.6	19.4	75 VDC (10-15 VDC-VRD*) *Indicates sense-voltage for Lift-Arc™ TIG and VRD stick.	H: 629 W: 349 D: 559 with TIGRunner: H: 1095 W: 587 D: 1111	61kg with TIGRunner: 114kg
		300 A at 32 V 60% Duty Cycle	19	12.5	13.1			
		250 A at 30 V 100% Duty Cycle	14	9.8	10.3			

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ORDERING INFORMATION - AVAILABLE BASE PACKAGES

WATER-COOLED PACKAGE (TIG ONLY)

POWER SOURCE

MR907717002	Dynasty 400
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REQUIRED ACCESSORIES

MR300245	Coolmate 3.5
KIT0007	Water-cooled TIG kit - includes 8m TIG torch, argon gas regulator, 5m work lead with earth clamp, 500A G type & dinse plug, 5m gas hose
MR043810	Coolant
WGAK3	Torch accessory kit

OPTIONAL ACCESSORIES

MR195377	Water-cooled torch dinse adaptor (Note: Not required if ordering TIG kit KIT0007)
HA801AR	Argon regulator & flow gauge (Note: Not required if ordering TIG kit KIT0007)
MR187208	RMS-14 momentary push button 8m (Note: Not required if ordering TIG kit KIT0007)
MR151086	RCC-14 TIG remote fingertip current control (Note: Not required if ordering TIG kit KIT0007)
MR242211020	RHC-14 remote hand current control
MR300430	Wireless hand control & 14 pin receiver
MR300429	Wireless foot control & 14 pin receiver
MR300244	Runner cart