



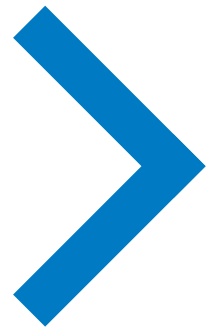
# Dynasty® 210DX

Part No: MR907686003-1



## High Precision AC/DC TIG Welding

IDEAL FOR PRECISION FABRICATION  
& MAINTENANCE JOBS SPLIT  
BETWEEN THE WORKSHOP & SITE.



- ✓ AC/DC TIG
- ✓ PULSED TIG
- ✓ STICK



APPLICATIONS	
Precision Fabrication	Manufacturing
Aerospace	Architectural
Construction	Metal Fabrication
Auto/Cycle (Racing, Customising, Restoring)	Railcar
Defence Industry	Marine Industry Repair and Fabrication
Infrastructure	Anodized Aluminium Fabrication

PACKAGE INCLUDES	
Power Source	Shoulder Strap
2x 50mm Male Cable Connectors	Input Lead (No Plug)

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**DYNASTY® 210DX  
SETUP  
DVD**

**CALL CUSTOMER  
SUPPORT ON  
1300 300 884  
FOR YOUR FREE  
SETUP DVD,  
AVAIL FEB 2016**

## UPDATE AND EXPAND

Front panel memory card data port provides the ability to easily update software and expand product features.

## PRO-SET™

Eliminates the guess work when setting weld parameters. Use Pro-Set when you want the speed, convenience and confidence of preset controls. Simply select the feature and adjust until Pro-Set appears on the display.

## COOLER-ON-DEMAND™

This feature operates the auxiliary cooling system only when needed, reducing noise, energy use, and airborne contaminants pulled through the cooler.

## COOLER POWER SUPPLY (CPS)

An integrated 120 volt dedicated-use receptacle for the Coolmate™ 1.3.

## BLUE LIGHTNING™

High-frequency (HF) arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability compared to traditional HF arc starters.

## SLEEP TIMER

Conserves electricity. This programmable feature will power down the machine if it sits idle for a specified time.

## AUTO-LINE POWER MANAGEMENT TECHNOLOGY

Allows for any input voltage hookup (210 – 480 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power. Will run on single phase and 3 phase power. Tolerant to lower generator output.

## WIND TUNNEL TECHNOLOGY™

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

## FAN-ON-DEMAND™

Variable speed fan adjusts to match cooling requirements - reducing noise, energy use and the amount of contaminants pulled through the machine.

## 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.

## AC TIG FEATURES

### 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.

## 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.

## METER CALIBRATION

Allows digital meters to be calibrated for certification.

## DC TIG FEATURES

### EXCEPTIONALLY SMOOTH AND PRECISE ARC

For welding exotic materials.

## 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.

### STICK-STUCK

Detects if the electrode is stuck to the part and turns the welding output off to safely and easily remove the electrode. Menu selectable.

## RATED FOR USE WITH 15 AMP PLUG

Supply cable will need to be replaced to suit an Australian 15 Amp supply.



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PERFORMANCE DATA						
INPUT POWER	TIG (GTAW) DUTY CYCLE	STICK (SMAW) DUTY CYCLE	GENERATOR REQUIREMENT	AC TIG MATERIAL THICKNESS RANGE (MM)	DC TIG MATERIAL THICKNESS RANGE	STICK ELECTRODE MAXIMUM DIAMETER
208 - 480 V		210 A, 30%	9kW	0.3 - 6.4mm	0.05 - 6.4mm	6010: 4.8mm
	210 A, 60%	160 A, 60%	6kW			7018: 4.0mm
	175 A, 100%	125 A, 100%	4.5kW			7024: 4.0mm

PRODUCT SPECIFICATIONS										
WELDING MODE	RATED OUTPUT	PHASE	AMPS INPUT AT RATED LOAD OUTPUT, 50/60 HZ					GEN.	DIM. (MM)	WEIGHT
			240 V	400 V	480 V	KW	KVA			
TIG (GTAW) 2-210A AC 1-210A DC MAX OCV 80V DC	210 A at 18.4 V, 60% Duty Cycle	3	-	9	-	5.8	6	6	H: 346 W: 219 D: 569	21.3kg 22.7kg With CPS
		1	-	14	12	5.8	5.8	6		
	210 A at 18.4 V, 40% Duty Cycle	1	24	-	-	5.8	5.8	6		
	175 A at 17 V, 100% Duty Cycle	3	-	6.8	-	4.5	4.5	5		
		1	-	11.5	9.5	4.5	4.5	5		
Stick (MMAW) 5-210A	145 A at 15.8V 100% Duty Cycle	1	15	-	-	4.5	4.5	5		
	210 A at 28.4 V, 30% Duty Cycle	3	-	11.8	-	8.0	8.4	8.4		
		1	34.3	19.8	16.6	8.3	8.3	8.3		
	125 A at 25 V, 100% Duty Cycle	3	-	6.8	-	4.5	4.6	5		
		1	15	11.5	9.5	4.4	4.5	5		

Max OCV 80V DC (11V DC, VRD)



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## ORDERING INFORMATION - AVAILABLE BASE PACKAGES

### AIR-COOLED SET UP

#### POWER SOURCE

MR907686003-1 Dynasty® 210DX

#### REQUIRED ACCESSORIES

KIT0006 Air-Cooled TIG Kit

WGAk3 Torch Accessory Kit

### WATER-COOLED SET UP

#### POWER SOURCE

MR907686003-1 Dynasty® 210DX

#### REQUIRED ACCESSORIES

MR300972 Coolmate 1.3

MR043810 Coolant

KIT0008 Water-Cooled TIG Kit

WGAk3 Torch Accessory Kit

### STICK WELDING ADDITION

AA73-1/5 MMAW Lead Kit

### OPTIONAL ACCESSORIES

TIG005 TIG Torch Water-Cooled (Note: Not required if ordering KIT0008)

TIG006 TIG Torch Air-Cooled (Note: Not required if ordering KIT0006)

HA801AR Argon regulator & flow gauge (Note: Not required if ordering KIT0006 or KIT0008)

MR187208 RMS-14 momentary push button 8m (Note: Not required if ordering KIT0006)

MR151086 RCC-14 TIG remote fingertip current control (Note: Not required if ordering KIT0006)

MR195377 Water-cooled torch dinse adaptor (Note: Not required if ordering KIT0008)

MR242211020 RHC-14 Remote Hand Current control 6m

MR300430 Wireless hand control & 14 pin receiver

MR300429 Wireless foot control & 14 pin receiver

MR301318 Small Runner™ cart to suit Dynasty/Maxstar 210DX & 280DX



welding.com.au 1300 300 884