











Dynasty® 210DX

Part No: MR907686003-1

High Precision AC/DC TIG Welding

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











APPLICATIONS

Precision Fabrication
Aerospace
Construction
Auto/Cycle (Racing,
Customising, Restoring)

Defence Industry Infrastructure Manufacturing Architectural Metal Fabrication

Railcar Marine Industry Repair and Fabrication Anodized Aluminium Fabrication

PACKAGE INCLUDES

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



















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UPDATE AND EXPAND

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

PRO-SET™

Eliminates the guesswork 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.

SLEEP TIMER

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

AUTO-LINE POWER MANAGEMENT TECHNOLOGY

Allows for any input voltage hookup (120 - 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.

COOLER POWER SUPPLY (CPS)

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

COOLER-ON-DEMAND™

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

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.

METER CALIBRATION

Allows digital meters to be calibrated for certification.

WIND TUNNEL TECHNOLOGYTM

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

FAN-ON-DEMAND™

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

DC TIG **FEATURES**

EXCEPTIONALLY SMOOTH AND PRECISE ARC

For welding exotic materials.

AC/DC STICKS **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.



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













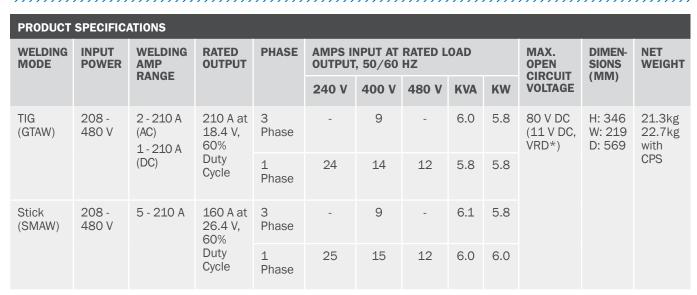






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^{*}Low VRD sense voltage for Stick and Lift-Arc ™ TIG.

PE23 rating — This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered.

Operating temperature range is 14 to 104 ° F (-10 to 40 ° C). Storage temperature range is -22 to 149 ° F (-30 to 65 ° C). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."

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 7018: 4.0mm 7024: 4.0mm	
	210 A, 60%	160 A, 60%	6kW				
	175 A, 100%	125 A, 100%	4.5kW				

OPTIONAL EXTRAS				
TIG Torch Kit	KIT0005			
Water Cooled TIG Torch Kit	MR300185			
Coolmate 1.3	MR300972			
Small Running Cart	MR301318			
Wireless Remote Foot Control	MR300429			
RFCS-14HD Foot Control	MR043554			
RHC-14 Hand Control	MR242211020			
Wireless Hand Control	MR300430			





