

Dynasty[®] 200 DX

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TIG/Stick Welding
Power Source



Quick Specs



Applications

Petro/Chem Fabrication
Aerospace
Food/Beverage Industry
Mechanical Contractors
Shipboard Installation/Repair
Dairy Industry

Process

TIG
Pulsed TIG
Stick



Input Power: 120 - 460 VAC 1 or 3 Phase

Ampage Range: 1 – 200 A
150 A 60% DC 40° C

Max. Open-Circuit Voltage: 80 Volt

Weight: 20,5 kg

The Power of Blue.[®]



Auto-Line™ Allows for any input voltage hookup (115 – 460 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

Fan On Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

Lift-Arc™ starting provides x-ray clean welds in AC or DC arc starting without the use of high frequency.

Blue Lightning Arc Starter

High Frequency Arc Starter for non-contact arc initiation. More consistent arc starts compared to traditional HF arc starters. Greater reliability and no maintenance on solid state components. Preset parameters for tungsten sizes from .020 – 1/8 inch provide optimized starting for applications from thick to micro thin. For unique applications, custom settings are programmable.




Power source is warranted for 3 years, parts and labour.
Original main power rectified parts are warranted for 5 years.
Water cooler is warranted for 1 year, parts and labor.


AC TIG Features:


Extended AC balance (30-99%) controls the amount of oxide cleaning (amperage time in EN) which is essential for high quality welds on aluminum.


AC frequency (20 – 250 Hz) controls the width of the arc cone and the force of the arc.

AC Waveforms:

 **Advance 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.

Stick Features (AC/DC)

Tailored arc control (DIG) allows the arc characteristic to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010.

Hot Start™ adaptive control provides positive arc starts without sticking.

AC frequency control adds additional stability when Stick welding in AC for smoother welds.

MADE IN USA
APPLETON, WI



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Specifications



	Input Power	Rated Output	Welding Amperage Range	Max. Open-Circuit Voltage	Dimensions	Weight
TIG	3 - Phase	200 A, 20 % Duty Cycle	1 – 200 A	80 VDC (12 - 16 V)*	H: 343 mm W: 191 mm D: 546 mm	20,5 kg
	1 - Phase	150 A, 60 % Duty Cycle 140 A, 40 % Duty Cycle				
Stick	3 - Phase	200 A, 20 % Duty Cycle	1 – 200 A	80 VDC (12 - 16 V)*		
	1 - Phase	130 A, 60 % Duty Cycle 100 A, 40 % Duty Cycle				

* Sense voltage for Stick and Lift-Arc TIG

Ordering Information

Power Source	Stock No.	Description
Dynasty 200 DX	907 356	AC/DC TIG Inverter. With Pulse and Up/Down slope features
Accessories		
TIG - Torches	SR26/4	TIG torch 200 A, 4 m, air-cooled (Also available with pot. meter)
	SR26/8	TIG torch 200 A, 8 m, air-cooled (Also available with pot. meter)
	SW320/4	TIG torch Speedway 320, 320 A AC/DC, 4 m water-cooled
	SW320/8	TIG torch Speedway 320, 320 A AC/DC, 8 m water-cooled
Gas hose	907 100 OSL	Length 2 m connections on both sides 3/8 R
Welding cable kit	058 066 040	Consisting of: 5 m Stick electrode holder and 5 m work clamp with Dinse connectors
Gasregulator	373 700 00	Elga Optimator gas saving regulator with flow meter
	371 050 00	Elga Tigex with flow meter
Coolmate 1	300 459 001	Cooler 240 VAC, requires coolant
BlueLiquid	050 024 004	Coolant, can 10 l
Cart	300 480	2- Wheel Trolley Cart, for Dynasty 200 and Coolmate 1
RFCS - 14	043 554	Remote foot control, length 6 m