



hydraBOND[®]
WELDING

Welding Machines TDS

Welding Equipment And NDT Supplies!



NEW

NEW



NEW

FORMAT: Spray Can



NEW

FORMAT: Spray Can



hydraBOND.com

hydraBOND®_Welding-Catalog_No.EN-10132022



hydraBOND® WELDING

HB200 TDS



Quick Specs

- ✓ Light Industrial Applications
- ✓ Single-phase, 120 and 240 V, 50/60 Hz
- ✓ Power Supply: 127/220 V 1 Ph., 60 Hertz
- ✓ Amperage Welding Range: 30A to 200A
- ✓ Duty Cycle: 40%

Applications:

- ✓ Welding workshops.
- ✓ Automotive mechanic workshops.
- ✓ DIY
- ✓ Metal art
- ✓ Farm/Ranch
- ✓ Maintenance/Repair

Comes With:

- Strap to carry on the shoulder.
- Input cable.
- Set of cables for soldering (with ground clamp, electrode holder and quick connectors).
- Owner manual, maintenance guide, parts list and warranty policy.

Advantages:

- Electronic current control that allows a precisely use of the welding current.
- INVERTER type power supply.
- Compact, lightweight and easy to carry, to load the shoulder while welding.
- Protection against overheating, which prevents damage to the equipment due to abuse of the duty cycle.
- Cooling system forced ventilation.
- Dual supply voltage 127/220 V AC +/- 10% (automatic configuration according to present voltage).
- Digital process selector.
- Power light indicator.
- Indicator light of process
- Indicator light for thermal protection.
- Indicator light of supply voltage present..

Light Industrial Applications:

- Stick (SMAW) of DC in diameters of 1.6 to 4.0 mm (1/16" to 5/32") E7018, E6013 E6010 E6011 and INOX.
- Welding TIG (GTAW) Mainly for stainless steel, arc controlled start CONTACT-TIG system with tungsten electrode diameters of 0.040 and 1/6"

Process*

- ✓ DC Stick (SMAW)
- ✓ TIG (GTAW)



⚠ **WARNING:** Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.



HB200 Specifications (Subject to change without notice)

Welding Process	Input Power	Rated Output 40% Duty Cycle	Welding Amperage Range	Max. Open Circuit Voltage	Input at Rated Output, 50/60 Hz, A KVA KW	Dimensions in (mm)	Weight lb (kg)
Stick	120 V	130 A @ 23 V	30 A - 130 A	78 VAC	43 5.4 3.8	H: 11.3" (295 mm) W: 6.1" (155 mm) L: 16.9 (430 mm)	Net: 15.4 (7.0) Ship: 23.8 (10.8)
	240 V	200 A @ 26 V	30 A - 200 A		48 10.9 6.7		
TIG	120 V	130 A @ 15 V	30 A - 130 A		32 4.2 2.8		
	240 V	200 A @ 18 V	30 A - 200 A		32 7.2 4.2		

BHG Import Export Inc.
Glendale, CA 91203
Web: bhg.us.com
Sales: oganes@bhg.us.com
Service: support@bhg.us.com

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WELDING

HB300MM

TDS



Process*

- ✓ **MIG Welding (GMAW) with gas in diameters out of 0.6 to 1.2 mm (0.023" to 0.045").**
- ✓ **Flux cored (FCAW) in diameters out of 0.9 to 1.2" mm. (0.035" to 0.045").**
- ✓ **MIG (GMAW) aluminum diameters of 0.9 mm to 1.2 mm (0.035" to 3/64").**

Advantages:

- Electronic current control that allows a precisely use of the welding current.
- Innovative 7-inch color screen.
- Memory capacity to load and save welding parameters.
- 2-position switch to select the supply voltage **(220 V / 440 V AC)**.
- Adjustable spot and trim for repetitive welding and spot welding.
- 14-pin receptacle
- Overheating protection, which prevents damage to equipment from duty cycle abuse.
- Forced ventilation cooling system.
- Easy to transport as it includes wheels, handlebars and cylinder holder
- Housing for consumables.
- Lateral support for cables and torch.

Industrial Applications:

- ✓ Automotive workshops.
- ✓ Manufacture of equipment for the food industry.
- ✓ Production lines in the manufacture of containers for the industry in general.
- ✓ Manufacture of refrigeration and air conditioning equipment.
- ✓ Industrial process plants

Optional Accessories:

- MIG 250 AMP torch.
- Teflon guide for MIG 250 AMP torch.
- Spotting nozzle for MIG 250 AMP torch.



Quick Specs

PROCESSES

- MIG (GMAW)
- Pulsed MIG (GMAW-P)
- Flux-cored (FCAW)
- DC TIG (GTAW)
- Pulsed TIG (GTAW-P)

INDUSTRIAL APPLICATIONS

- ✓ Contract welding services
- ✓ Plant maintenance shops
- ✓ General fabricators

AMPERAGE RANGE: 5–350 A
NET WEIGHT: 265 lb. (120 kg)

- **INPUT POWER:** 208–575 V, single-phase
- **RATED OUTPUT MIG:** 230 A at 25.5 V, 60% duty cycle
- **STICK:** 200 A at 28 V, 60% duty cycle
- **TIG:** 275 A at 21 V, 60% duty cycle



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TDS



BHG Import Export Inc.
Glendale, CA 91203
Web: bhg.us.com
Sales: oganes@bhg.us.com
Service: support@bhg.us.com

Specifications (Subject to change without notice)

Input Power	Rated Output 60% Duty Cycle	Continuous Output 100% Duty Cycle	Rated Output 45% Duty Cycle	Welding Amperage Range	Welding Voltage Range	Max. Open Circuit Voltage	Input at Rated Output, 60 Hz A kVA kW	Dimensions in (mm)	Weight lb (kg)
220 VAC	250 A @ 26.5 VDC	190 A @ 23.5 VDC	280 A @ 28 VDC	30 A - 280 A	10 - 28 VDC	37 VDC	60	H: 31.3 (790) W: 14.5 (370) L: 341.3 (1050)	Net: 265 (120) Ship: 275 (125)
440 VAC							30		



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WELDING

HB355



TDS

MULTIPROCESS
MIG, STICK, DC TIG



OPTIONAL ACCESSORIES:

For CC:

- Pulsarc Control.
- Torch Tig 200 V (CONTACT-TIG) and HFU 252).
- Torch TIG 300.
- Cooler EFA 255.
- Remote control RFC 14.
- High frequency unit HFU 252.

OPTIONAL ACCESSORIES:

For CV:

- ✓ HBVSF VOLTAGE-SENSING WIRE FEEDER
- ✓ Torch for aluminum Spool Gun.
- ✓ Torch MIG 400 A.
- ✓ Interconnection cables.

Advantages:

- Advanced technology in inverter type.
- Arc control to make electrodes application easier even with difficult ones.
- Electronic inductance control.
- Automatic voltage regulator which compensate power variations.
- Failure indicator with error code on screen.
- Automatic fan operator, works only when needed.
- Automatic change of power supply system. Auto link.
- Process welding selector.
- Digital voltmeter and ammeter which allows welding values adjustment.
- Light and compact.
- Duplex receptacle, output 120 V, AC.

COMES WITH:

- ✓ Two universal plugs.
- ✓ Power supply 3 m 4x8 Awg
- ✓ Owner manual: Operation guide, maintenance guide, list of parts and warranty.

PROCESS:

- Welding with shielded metal arc diameter from 0.0625 mm to 0.25 mm (1/16" to 1/4").
- STICK (SMAW) DC.
- Welding TIG (GTAW) of DC With Start special src system Type CONTACT-TIG.
- Flux Cored (FCAW) diameter from 0.9 to 1.2 mm (0.035" to 1/16").
- (GMAW-P) MIG (GMAW) and pulsed MIG diameters from 0.9 To 1.6 mm (0.035 to 1/16") With Pulsarc.
- Control optional.

HEAVY INDUSTRIAL APPLICATIONS

- ✓ Construction
- ✓ Shipbuilding
- ✓ Railroad
- ✓ Truck/trailer manufacturing
- ✓ Fabrication
- ✓ Repair shops
- ✓ Rental fleets
- ✓ Power generation plants

Quick Specs

Three phase: 400 A @ 36 VDC 40% D.C.
Single phase: Maximum Output 225 A @ 29 VDC 60% D.C.

Three phase: Continuous output 100% Duty Cycle 230 A @ 29 VDC
Single phase: Maximum Output 175 A @ 27 VDC
Net: 83.7 Lbs (38 Kg)
Ship: 90 Lbs (41 Kg)



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Specifications (Subject to change without notice)

Phase	Input Power	Rated output 60% Duty Cycle	Continuous output 100% Duty Cycle	Maximum Output	Welding Amperage/ Voltage Range	Max. Open Circuit Voltage	Input at Rated Output, 60 Hz A kVA kW	Dimensions in (mm)	Weight lb (kg)
Three phase	220V	300 A @ 32 VDC	230 A @ 29 VDC	400 A @ 36 VDC 40% D.C.	5 A - 400 A 10 V - 35 V	95 V	32	H: 17.5 (447) W: 13.7 (349) L: 24 (610)	Net: 83.7 LBD (38 Kg) Ship: 90Lbs (41 Kg)
	440 V						12.5 11.5		
Single phase	220 V	225 A @ 29 VDC	175 A @ 27 VDC	225 A @ 29 VDC 60% D.C.			50		
	440 V						11.5 8 26		



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WELDING



HBVSF TDS

PROCESSES

MIG (GMAW) & FLUX CORED (FCAW).

INDUSTRIAL APPLICATIONS

- ✓ Contract Welding Services
- ✓ Plant Maintenance Shops
- ✓ General Fabricators
- ✓ Applications For Construction,
- ✓ Shipbuilding,
- ✓ Rental Fleets,
- ✓ Manufacturing And More!

STANDARD FEATURES

- ✓ Part #HBVSF
- ✓ Weld Circuit Rating 400A @ 60% Duty Cycle
- ✓ Spool Capacity 12" (304mm)
- ✓ Input Power Open Circuit Voltage & Arc 14-100V DC
- ✓ Power Source Type CC or CV (DC)
- ✓ Wire Diameters .023" - 5/64" (0.6 - 2.0mm)
- ✓ Wire Feed Speed 60 - 800 IPM (1.52 - 20.32m/min)
- ✓ Gas Inlet 5/8"-18RH Female
- ✓ Height 17" (432mm)
- ✓ Width 8.5" (216mm)
- ✓ Depth 21.5" (546mm)
- ✓ Weight 37 lbs. (17kg)

Quick Specs



HBVSF Voltage Sensing Portable Wire Feeder (2 Roll)

SPECIAL FEATURES:

- Trigger hold (reduces operator fatigue on longer welds)
- Two (2) gear driven rolls with Tool-Less roll change
- .035/.045 solid wire drive rolls included
- Accepts Miller style gun connection
- Digital LED meters
- Top meter can show amperage or wire feed speed
- CC/CV mode selector switch
- High/Low wire feed speed selector switch
- Wire jog button
- Gas purge button
- Resettable circuit breaker
- 15' Sensor lead with disconnect & Lenco MG-180 clamp
- 3' of 3/0 AWG input cable w/ Lenco LC-40HD male connector
- High impact latching case with folding handle & removable legs

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COMES WITH:

- ✓ Owner manual: Operation guide maintenance guide, list of parts and warranty.

Specifications (Subject to change without notice)



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Type of Input Power	Welding Power Source Type	Wire Feed Speed	Wire Diameter Range	Input Welding Circuit Rating	Max. Wire Spool Capacity	Overall Dimensions	Weight
Open-Circuit/ Arc Voltage, 14 - 110 Volts DC	Constant Voltage (CV) Or Constant Current (CC) DC Power Source Only	60 - 850 ipm (1.52 - 21.6 mpm) Depending On Arc Voltage	Solid Wire: .023 - .052 in. (0.6 To 1.3 mm) Flux Cored: .030 - 5/64 in. (0.8 To 2 mm)	300 Amperes At 100% Duty Cycle 400 Amperes At 60% Duty Cycle	45 lb (20.4 kg), 12 in. (304 mm)	Length: 21.5 in. (546 mm) Width: 8.5 in. (216 mm) Height: 17 in. (432 mm)	33 lb (15 kg)
Motor Speed	Wire Type	Wire Size	Rated Speed Range-				
Standard	All	.023 To 5/64 in. (0.6 To 2 mm)	50 to 780 ipm (1.3-19.8 mpm)				



Power Specifications

(Subject to change without notice.)

Input Power	Continuous output 100% Duty Cycle	Continuous output 60% Duty Cycle	Welding Ampera Range	Welding Volts Range	Max. Open Circuit Voltage	Input at Rated Output, 60 Hz A kW	Dimensions in (mm)	Weight lb (kg)
220 VAC	300 A @ 32 VDC	400 A @ 32 VDC	20 A - 400 A	13 - 36 VDC	44 VDC	36	H: 33 (838) Ancho: 22.5 (571) Largo: 48.5 (1232)	Net: 273 (124) Ship: 282 (128)
440 VAC						12.3 18		

Process

MIG welding (GMAW) micro wire form 0.9 out of 1.6 mm (0.035" to 1/16").

Flux cored (FCAW) with or without gas in diameters out of 0.9 mm to 1.6 mm (0.035 to 1/16").

Comes With

Wire with ground clamp.

Wire for interconnection.

Owner manual that includes: Operation guide, maintenance guide, parts list and warranty policy.

Optional Accessories

2-roll S-302-T Feeder.

SIISA 400 torch.

Aluminum welding.

Advantages

Preset button for voltage checking.

Digital meters.

Excellent stability of welding arc.

Cooling forced ventilation system.

Lateral support for torch and cables.

Receptacle of 14 pin, for feeders connections and optional torch for aluminum Spool Gun.

Mechanical voltage control.

Easy transportation with trailer, cylinder rack and handle.

Applications

- Teaching technical institutes.
- Navy and terrestrial container manufacture.
- Boilers for steam, containers and pipes medium pressure.
- Automotive industry.
- Equipment manufacture for automotive industry pharmaceutical and medical manufacture
- Equipment industrial plants





Input Power	1 Phase, 60 Hz.	Electrode Speed	Electrode Diameters	Number of Rollers	Dimensions in (mm)	Weight lb (kg)
24 VAC	10 A AC	Min: 1.9 m/min (75 plg/min) Max: 24.5 m/min (1000 plg/min)	Min: 0.6 mm (0.023") Max: 3.2 mm (1/8")	4	H: 13.6 (346) W: 11 (278) L: 25.5 (646)	Net: 43 (19.5) Ship: 47.3 (21.5)

Process:

- Micro wire electrode MIG (GMAW) diameters of 0.6 a and 1.2 mm (0.023" to 0.045").
- Tubular electrode with fluxed core FCAW with or without gas, diameters of 0.8 to 3.2 mm (0.030" to 5/32").

Comes With:

- Set of rollers of 0.9 and 1.2 mm (0.035" and 0.045").
- Wire voltage and speed control.
- Wire cutter.
- Owner manual: operation guide, maintenance guide, parts list and warranty policy.

Applications:

- Shipbuilding.
- Construction.
- Metal structures for advertisements.
- Field maintenance or on-site fabrication.
- For use with constant potential sources, with 24 V ac output for power supply and sufficient current capacity for the specified electrode diameters and speeds.

Suitable for:

- HBCP303_PRO, HB300MM



hydraBOND® HB2000

INNOVATION ON WELDING!



HB2000™ (PFC) Multi Process is ENGINEERED for:
Body Shop, Collision & Refinishing Service

MIG STICK TIG

Processes:

- ✓ DC TIG (GTAW)
- ✓ MIG Brazing
- ✓ Flux Cored (FCAW)
- ✓ MIG (GMAW)° Stick (SMAW)

Input Power
110V, 20 A, 50/60 Hz, single -phase
230V, 18 A, 50/60 Hz, single -phase

Delivered with:

- ✓ MIG-torch MB15AK-Air-Cooled-Mig-Welding-Torch
Length: 3m (10 feet) (ref.HB2004)
- ✓ Regulator with hose included (ref.HB2002, HB2003)
- ✓ Earth Earth clamp with cable and DINSE connector
200A (ref.HB2002)
- ✓ HB Helmet (ref.HB2019)° Contact Tips .023, .030, .035
(ref. HB6051, HB6052, HB6053,)
- ✓ Multi Purpose Welder Cart (ref.HB2020-A)
- ✓ 1, 11 LBS Spool ER70S-6 welding wire .030
(ref.HB6005) OR .035 (ref.HB6008)
- ✓ DC Electrode holder with 3M cable with
DINSE-type connector. (ref.HB2010)
- ✓ ADAPTER 5-15P and 6-50R. (ref.HB2007)
- ✓ Drive Rolls (ref.HB2008) & (ref.HB2009)

Optional:

- ✓ TIG Torch (ref.HB2005)
- ✓ Spool Gun (ref.HB2001)



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