

HERCULES® TA-20/500-DZ



PROCESS	MIG	FLUX CORED	STICK	LIFT TIG	CAG	SUB ARC
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Part Number	Rated Output @ Duty Cycle	Output Range	Dimensions (H x W x D)	Net Weight	For full AC / DC TIG capacity Plug a Pro-Wave Inverter into AUX. PWR Outlet
11-1013	400 A / 36 V @ 100%	15 - 550 Amps	45" x 32" x 62.5" 1143 x 813 x 1588 (mm)	2196 lbs. (996 kg)	

The heavy-duty design of the Hercules® TA-20/500-DZ is perfect for portable welders who warrant a multiple process machine and depend on high quality welding and consistent auxiliary power. Built to fit on a truck or trailer, this unit provides performance on STICK / Lift Start TIG / MIG and Carbon Arc Gouging at 100% Duty Cycle @ 400 Amps with 15-500 Amps weld output while delivering a consistent 20 kVA auxiliary output. The auxiliary power is constant over the 15-500 Amp weld output range and is available to use as an AC generator unit. Standard features include HF protection, muffler and rain cap, low oil/pressure shutdown, low fuel shutdown, amperage/voltage control-infinite control over entire range, 14 pin amphenol, and hinged panel covers controls.

The unique Power-Plus® patented alternator delivers a smooth weld output. Its brushless design increases efficiency – reducing maintenance and extending the life of the machine. Separate windings are used for welding and auxiliary power, offering the highest quality auxiliary power. The generator is powered by a rugged, 42 HP, 3-cylinder, diesel fuel, air-cooled Deutz engine.

APPLICATIONS

- General Construction
- Structural Fabrication
- Pipe Welding
- Rental Operations
- Professional Welding
- Maintenance Vehicles
- Mobile repair vehicles
- In-Plant Maintenance
- Mining
- Railroad Maintenance
- Contractors
- Utility Companies

FEATURES

- 115 VAC / 230 VAC / 460 VAC
- Single and Three Phase Auxiliary Power
- Isonerized / Quiet
- Outstanding Low End Performance
Excellent E6010 Electrode Operation
- Multi-Processes
MIG / STICK / Lift Start TIG / Carbon Arc Gouging
- Single Sided Panel Service Center allows for Easy Maintenance
- Designed for Heavy-Duty Operation
- Diesel Engine
 - Air-Cooled 42 HP Deutz
 - 12 -Volt Battery with 500 Cold Cranking Amps for Electric Start
 - Digital Fuel Injection for Easy Starts and Low Fuel Consumption

Uses 50mm (DINSE) Style Plugs

ACCESSORIES

Meter Kit, TIG Kit, STICK Kit, On/Off Torch Switch Control, Remote 14 Pin, Remote Foot Control, Hand Pendant, Extension Cables, Highway-Ready Trailer
SEE ACCESSORIES PAGES For Details & Ordering Information

Optional Factory Installed Volt / Amp Meter Kit
P/N 11-2011

Obsolete

SUGGESTED WIRE FEEDERS

Porta-Feed® 17A, Hefty® II CC/CV, Hefty® II Stainless, Heavy Duty CC/CV

ENGINE SPECIFICATIONS

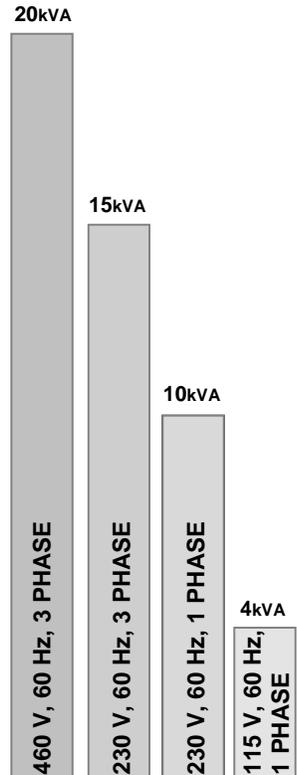
Engine	Deutz F3L 912
Type	3-cylinder air-cooled diesel
HP & Welding Speed	42 HP @ 1,800 RPM
Idle Speed	1,300 RPM
Fuel Tank	23 gal. / 87 L
Oil Capacity	2.13 gal. / 8 L

Obsolete



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Additional Accessories are respectively shown on other pages in this "Joining & Cutting With Electricity" Section



AUXILIARY POWER