



MERIDIAN

ENGINE DRIVEN WELDERS

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Product Name	Rated Output	Welding Arcs	Engine		Generator Model	AC Generator Model	Fuel Tank Capacity gals (ltrs)	Dimensions L×W×H inches (mm)	Weight lbs (kg)
			Model	Description					
АДД-2×250/5,5А	30...260A / 30V	2	Д-144	Air-cooled Diesel Engine Electric Start	SG-2×250	SG-5.5 5.5 kVA 230/400 V 50 Hz	14.8 (56)	88.2×51.2×51.2 (2350×1300×1300)	1984 (900)
	30...400A / 30V	1	Д-242	Water-cooled Diesel Engine Electric Start					

Multi-purpose engine driven welder АДД-2×250/5,5А by MERIDIAN® is designed especially for welding professionals who demand **two independently controlled superior welding arcs** for welding, cutting or welding deposition at field condition. A welding arc is supplied with DC power that makes it possible to weld using electrodes with any coatings.

This engine driven welder is especially designed to be mounted into **automobile repair shops of АМГ-1 type** that are produced on the basis of the variety of the vehicles (including КрАЗ-63221, ГАЗ-66, ГАЗ-53, ЗИЛ, КаМАЗ, Ма3, etc.). These automobile repair shops are designed for repair and maintenance works on oil-trunk and gas-main pipelines, water mains, gas equipment, etc.

Engine driven welders by MERIDIAN® are equipped with the industry's best-known generators that are certified to provide the key welding characteristics: easy starts, arc stability and elasticity, smooth arc action, reduced spatter, and great bead appearance. During certification procedures these characteristics were found to match or even exceed the similar characteristics of the collector-type generators. These high rates have been achieved by using the original circuit improvements and wise choice of the moderate current load. These synchronous brushless self-excited inductor-type high frequency generators contain no brushes, rotating diodes or controlled semiconductors that results in very simple design and high efficiency. All bearings are supplied sealed for life and are, therefore, not regreasable. The generators of this type are the most reliable generators – no maintenance required.

The generator technology also provides the possibility to bridge two terminal pairs if necessary, that sum up the welding currents and delivers a great **400 A DC welding current for one welding arcs**.

АДД-2×250/5,5А is a real portable powerhouse and it provides added value at the job site by delivering up to **5.5 kVA of 230 V AC auxiliary power** for lights, grinders, drills and other common tools. It allows welding and having access to AC power simultaneously – the full 5.5 kVA can be delivered while welding.

Some of the best features and advantages of АДД-250/5,5А:

- Instant start;
- Multiple level control of the welding current and excellent performance in whole controlled range;
- Vertical and inverted position welding, welding deposition and cutting;
- Delivers 5.5 kVA of 220V AC generator power to run lights, tools and weld all at the same time;
- Low fuel consumption;
- Long engine and generator lives;
- Reliability in hard usage.

High efficiency, reliability and simplicity of the operation and maintenance make this engine driven welder **the most economical off-line supply source**.

Welders include solid durable welded frame, two fuel tanks, bottom plate and easily demountable framework that is of extremely rugged construction in order to withstand the rough handling. As an option, this engine driven welder could be supplied in standard or sound attenuated weatherproof steel enclosure with attractive and durable red polyester powder coating. Proper arrangement of the control panels delivers easy access to any component for service and maintenance.

MERIDIAN® engine driven welders meet the requirements of industry standard ГОСТ 2402 "Engine driven welders. Common technical requirements" as well as all the safety standards that is confirmed by УкрСЕПРО certificate.

The warranty period is twelve months.