



MERIDIAN

ENGINE DRIVEN WELDERS

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Product Name	Rated Output	Engine		Generator Model	AC Generator Model	Fuel Tank Capacity gals (ltrs)	Trailer	Dimensions L×W×H inches (mm)	Weight lbs (kg)
		Model	Description						
АДД-250/5,5	50...260 A DC 30 V	Deutz F21511	Air-cooled Diesel Engine Electric Start	SAE-250/5.5		14.8 (56)	–	78.7×39.3×51.2 (2000×1000×1300)	1323 (600)
							two-wheeled ТАПЗ-755	118.1×79.1×86.6 (3000×2010×2200)	1764 (800)
АДД-4001	60...450 A DC 32.6 V	Д-144	Air-cooled Diesel Engine Electric Start	GD-4002	–	14.8 (56)	–	88.2×39.3×51.2 (2240×1000×1300)	1808 (820)
АДД-4002	60...450 A DC 32.6 V	Д-144	Air-cooled Diesel Engine Electric Start	GD-4002	–	14.8 (56)	two-wheeled ТАПЗ-755	137.8×79.1×86.6 (3500×2010×2200)	2778 (1260)
АДД-4002M	60...450 A DC 32.6 V	Д-242	Water-cooled Diesel Engine Electric Start	GD-4002	–	14.8 (56)	–	88.2×39.3×51.2 (2240×1000×1300)	1808 (820)
							two-wheeled ТАПЗ-755	137.8×79.1×86.6 (3500×2010×2200)	2778 (1260)
АДД-4003/5,5	60...450 A DC 32.6 V	Д-144	Air-cooled Diesel Engine Electric Start	GD-4002	SG-5.5 5.5 kVA 220/400 V 50 Hz	14.8 (56)	–	92.5×51.2×51.2 (2350×1300×1300)	2116 (960)
		Д-242	Water-cooled Diesel Engine Electric Start				two-wheeled ТАПЗ-755	137.8×79.1×86.6 (3500×2010×2200)	2866 (1300)

Multi-purpose engine driven welders by MERIDIAN® are designed especially for welding professionals who demand superior welding arc 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.

These engine driven welders 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. Higher usage of the copper wires in windings is compensated with higher reliability and longer generator life. 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.

An engine driven welders АДД-250/5,5 and АДД-4003/5,5 provide added value at the job site by delivering up to **5.5 kVA of AC auxiliary power** for lights, grinders, drills and other common tools. They allow welding and having access to AC power simultaneously – the full 5.5 kVA can be delivered while welding.

Welders include solid durable welded frame, fuel tank, bottom plate and standard steel enclosure with attractive and durable red polyester powder coating. These enclosures are of extremely rugged construction in order to withstand the rough handling. Proper arrangement of the control panels delivers easy access to any component for service and maintenance.

MERIDIAN® produces the engine driven welders either in stationary version or in mobile version complete with the two-wheeled trailer ТАПЗ-755 for heavy-duty road, off-road and yard applications.

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 № UA1.012.

The warranty period is twelve months.