UND-P Series
Diesel Generator Set

Standby	Prime
10 kVA 8 kW	9 kVA 7 kW

Standby Power (ESP): In case of failure of reliable mains supply,variable electricity is used to power the load. ESP complies with ISO8528. Overloading is not allowed.

Prime Power (PRP): Variable electricity to load, power supply, yearly unlimited operation used for the clock. PRP complies with ISO 8528. 12 hours of operation according to ISO3046 Used for 10% overload for 1 hour in the period.

Engine

In Universal Generator engine products; High performance, low fuel consumption, mechanical or electronic governor depending on the type, Oil, air, fuel filters are interchangeable, using high technology engine brands in accordance with ISO 3046, ISO 8528, BS 5514, DIN 6271 standards.

ENGINE SPECIFICATIONS		
Engine Brand		PERKINS
Engine Model		403A-11G1
Engine Power		9,2 kW / 8,4 kW (Standby/Prime)
Speed (rpm)		1500
Time		4
Number of Cylinders		3
Engine Capacity		1,131 lt
Bore & Stroke (mmXmm)		77x81
Compression Ratio		23:1
Governor Type		Mechanical
Induction System		Natural
Combustion System		Indirect
Cooling System		Water Cooling
Lubrication Capacity		4,9 lt
Coolant Capacity		5,2 lt
Fuel Consumption liter/hour	%100	3 lt
	%75	2,3 lt
	%50	1,7 lt

Alternator

In Universal Generator alternator products, it has a steel body design, robust structure, maintenance-free bearing system (brushless) with self-excitation system, electronic type voltage regulator, BS 4999-5000; CEI EN 60034-1; IEC 60034-1; VDE 0530, OVE M10, NF 51-100, 111; It uses high technology alternator brands in accordance with NEMA MG 1.22.

ALTERNATOR FEATURES	
Power Factor	0,8
Insulation Class	H
Protection	IP21-IP23
Output Voltage	231/400 VAC - 50 Hz
Frequancy	50 Hz
Connection Type	Star
Design	4 Poles - Brushless

Control System

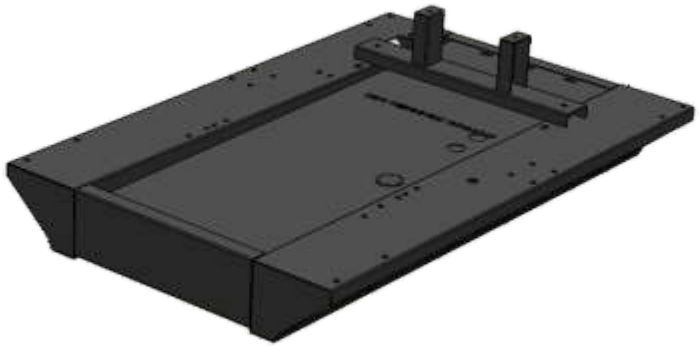
Easy-to-use secure software updates in Universal Generator control panels have a structure that can be easily done with USB ports. Optionally, remote control can be provided with ETHERNET and GPRS. Panel body is made of steel sheet and is painted with electrostatic powder paint. It has been painted. The electronics are isolated and waterproof design.

CONTROL SYSTEM FEATURES
LCD Screen Automatic Control System
Remote monitoring possibility
Multifunctional business opportunity
Multi language support
Programmable over USB, RS-232 and GSM

Chassis, Canopy and Fuel Tank

Universal Generator chassis has a modular design and is made of steel. Engine alternator Radiator connections are made with vibration wedges and vibration is minimized. Special chassis and fuel tank in line with customer demands can make designs.

CANOPY
Canopy design that facilitates generator maintenance
Emergency stop button on the cabin
Transparent control cabinet window
Acoustic sponge providing sound insulation
Hidden exhaust silencer inside the cabin
Engine cooling air ducts
Electrostatic powder paint resistant to corrosion and rusting
Refueling outside the cabin



OPTIONS	
Transfer Board	Analog Gauges
Protection Switch	24 Hour Fuel Tank
External Type Fuel Tank	Special Chassis Color
Synchronous System	Special Cabinet Color
Electronic Governor Application	Remote Monitoring Module
Earthquake Sensor	Special Type Muffler

Quality Standards

- All generating sets produced by Universal Generator have TSE, CE and ISO 9001 certificates.
- Technical information and values are in accordance with ISO8528, ISO3046, NEMA MG1.22, IEC 600341, BS 49995000, VDE 0530 standards.

TECHNICAL DIMENSIONS

CABINET GROUP

WIDTH	LENGTH	HEIGHT	WEIGHT	FUEL TANK
900 mm	1700 mm	1220 mm	630 kg	82 lt

UNCABINET GROUP

WIDTH	LENGTH	HEIGHT	WEIGHT	FUEL TANK
900 mm	1400 mm	1220 mm	483 kg	82 lt