



Doosan



ENGINE

- Doosan series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1,

EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender





Doosan Series Diesel Generator Sets 800-900-1000 kVA

MODEL				ADJ 800	ADJ 900	ADJ 1000
GROUP	GEN-SET POWER	STAND BY	kVA	800	900	1000
			kW	640	720	800
		PRIME	kVA	727	818	909
			kW	581	654	727
	CANOPY DIMENSION (W x L x H) mm			1700x4900x2700	2200x6000x3100	2200x6000x3100
	CANOPY WEIGHT kg			5644	7926	7991
	OPEN DIMENSION (W x L x H) mm			1700x4000x2070	2200x5300x2650	2200x5300x2650
	OPEN WEIGHT			4899	6216	6281
ENGINE	BRAND			DOOSAN	DOOSAN	DOOSAN
	TYPE			DP222LC	DP222CB	DP222CC
	POWER	STAND BY	kW	699	769	854
		PRIME	kW	635	699	776
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			21,927	21,927	21,927
	NUMBER OF CYLNDERS			12 V	12 V	12 V
	BORE x STROKE (mm x mm)			128x 142	128x 142	128x 142
	COMPRESSION RATIO			15 : 1	14,6 : 1	14,6 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED INTERCOOLER	TURBOCHARGED INTERCOOLER	TURBOCHARGED INTERCOOLER
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		161	168	190
		%75 PRIME POWER		119,1	127	147
%50 PRIME POWER		79,3	93	102		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			40	75	75	
TOTAL COOLANT CAPACITY (lt)			114	166	166	
FUEL TANK CAPACITY (lt)			1020	1250	1250	

Armak reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.

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