



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 300 - 335 - 355 - 405 kVA

MODEL				ADDJ 300	ADDJ 335	ADDJ 355	ADDJ 405
GROUP	GEN-SET POWER	STAND BY	kVA	300	335	355	405
			kW	240	268	284	324
		PRIME	kVA	272	304.5	322.7	368.2
			kW	218	243.6	258.2	294.5
	CANOPY DIMENSION (W x L x H) mm			1300x3645x2300	1300x3645x2300	1300x3645x2300	1600x4150x2555
	CANOPY WEIGHT kg			2899	2988	3100	3835
	OPEN DIMENSION (W x L x H) mm			1300x3005x1910	1300x3005x1910	1300x3005x1910	1600x3300x1910
	OPEN WEIGHT			2409	2498	2610	3160
ENGINE	BRAND			DOOSAN	DOOSAN	DOOSAN	DOOSAN
	TYPE			PI26TI	PI26TMI	DPI26LA	DPI26LB
	POWER	STAND BY	kW	265	287	321	362
		PRIME	kW	240,9	260	291	329
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			11,051	11,051	11,051	11,051
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			123 x 155	123 x 155	123 x 155	123 x 155
	COMPRESSION RATIO			17,1 : 0 1	17,1 : 0 1	17,2 : 0 1	17,2 : 0 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED INTERCOOLER	TURBOCHARGED INTERCOOLER	TURBOCHARGED INTERCOOLER	TURBOCHARGED INTERCOOLER
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	DIRECT
	COOLING SYSTEM			WATER	WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		58,1	63,1	68,1	76
		%75 PRIME POWER		43,6	47	51,1	57,1
		%50 PRIME POWER		30	31,3	34,3	38,4
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			23	23	44	44	
TOTAL COOLANT CAPACITY (lt)			51	51	51	51	
FUEL TANK CAPACITY (lt)			400	400	300	790	

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

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