



Wilkins

Technical Specifications



ENGINE

- Wilkins 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





Wilkins Series Diesel Generator Sets 1050-1100-1250-1375 kVA

MODEL				AWJ 1050	AWJ 1100	AWJ 1250	AWJ 1375
GROUP	GEN-SET POWER	STAND BY	kVA	1050	1100	1250	1375
			kW	840	880	1000	1100
		PRIME	kVA	955	1000	1136	1250
			kW	764	800	909	1000
	CANOPY DIMESNION (W x L x H) mm			2000x4400x2650	2000x4400x2715	2100x5200x2750	2100x5200x2750
	CANOPY WEIGHT kg			7000	7100	7300	7400
	OPEN DIMENSION (W x L x H) mm			2000x4400x2500	2000x4400x2500	2100x5200x2600	2100x5200x2600
OPEN WEIGHT			6300	6400	6500	6600	
ENGINE	BRAND			WILKINS	WILKINS	WILKINS	WILKINS
	TYPE			WL 820	WL 960	WL 1070	WL 1070
	POWER	STAND BY	kW	820	960	1070	1070
		PRIME	kW	750	880	972	972
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			29,6	30,2	31,4	31,4
	NUMBER OF CYLNDERS			12 V	12 V	12 V	12 V
	BORE x STROKE (mm x mm)			138 x 165	138 x 168	138 x 168	138 x 168
	COMPRESSION RATIO			16 : 1	16 : 1	16 : 1	16 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED
	ALTERNATOR			ARMMAK ARA-1050	ARMMAK ARA-1100	ARMMAK ARA-1250	ARMMAK ARA-1375
	COOLING SYSTEM			WATER	WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		188	202	221	238
		%75 PRIME POWER		144	156	170	184
		%50 PRIME POWER		100	108	118	127
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			61	61	61	61	
TOTAL COOLANT CAPACITY (lt)			84	84	110	110	
FUEL TANK CAPACITY (lt)			1000	1000	1400	1400	

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

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