



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 700-750-825-880-950 kVA

MODEL				AWJ 700	AWJ 750	AWJ 825	AWJ 880	AWJ 950
GROUP	GEN-SET POWER	STAND BY	kVA	700	750	825	880	950
			kW	560	600	660	704	760
		PRIME	kVA	636	681,8	750	800	863
			kW	509	545,5	600	640	691
	CANOPY DIMENSION (W x L x H) mm			1900x4200x2500	1900x4200x2500	1900x4200x2500	1900x4200x2500	2000x4400x2650
	CANOPY WEIGHT kg			5700	5800	5900	6150	6700
	OPEN DIMENSION (W x L x H) mm			1900x4200x2350	1900x4200x2350	1900x4200x2350	1900x4200x2350	2000x4400x2500
	OPEN WEIGHT			4950	5050	5150	5300	6000
	BRAND			WILKINS	WILKINS	WILKINS	WILKINS	WILKINS
	TYPE			WL 610	WL 720	WL 720	WL 720	WL 780
ENGINE	POWER	STAND BY	kW	610	720	720	720	780
		PRIME	kW	554	655	655	655	709
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			26,4	32,8	26,6	26,6	28,3
	NUMBER OF CYLINDERS			12 V	12 V	12 V	12 V	12 V
	BORE x STROKE (mm x mm)			135 x 155	180 x 215	135 x 150	135 x 150	138 x 158
	COMPRESSION RATIO			16 : 1	15 : 1	16 : 1	16 : 1	16 : 1
	GOVERNOR TYPE			ELECTRONIC	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	TURBOCHARGED - AIR TO AIR COOLED
ALTERNATOR BRAND / MODEL			ARMAK ARA-700	ARMAK ARA-750	ARMAK ARA-825	ARMAK ARA-880	ARMAK ARA-950	
COOLING SYSTEM			WATER	WATER	WATER	WATER	WATER	
FUEL CONSUMPTION lt / h	%100 PRIME POWER		139	145	152	161,8	177	
	%75 PRIME POWER		91,2	96	100,9	107,6	136	
	%50 PRIME POWER		69,4	72,5	75,7	80,7	88	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			65	65	65	65	80	
TOTAL COOLANT CAPACITY (lt)			115	115	115	115	125	
FUEL TANK CAPACITY (lt)			800	800	800	800	1000	

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

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