



RENTAL GENSETS

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ABOUT AKSA RENTAL GENSETS

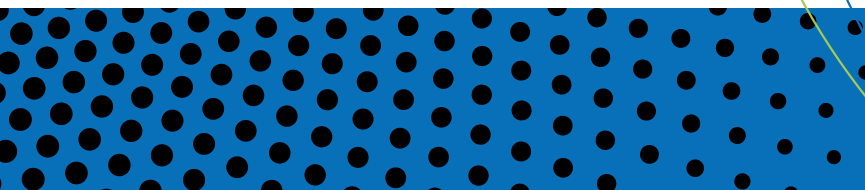
AKSA is one of the world's leading generator manufacturers in the generator industry, where it has been operating since 1984. Akxa Power Generation, which has been the leader of the generator market in Turkey for many years, continues to strengthen its leading position with the "Rental Generator" product range it has added to its portfolio.

With this service, it aims to meet the sectoral needs of rental companies. Because rental generators, unlike standard generator applications, are produced with features suitable for long-term use in the harsh field and environmental conditions. Rental Gensets offer an excellent selection of equipment such as;

- Heavy-duty Canopy and chassis design,,
- Compact body structure that allows easy carrying,
- Generators with lockable doors and heavy-duty body structures are designed to be resistant to vandalism and impacts.
- Control system that allows remote monitoring and tracking,
- SMS text alerts (with external modem)
- Accessing and programming the control module via Ethernet, RS485 Modbus or USB,
- Output Breaker for Alternator protection,
- Model-based fuel overflow container or double-walled fuel tank and fuel overflow sensor,
- Remotely monitoring the fuel level,

Akxa Rental Gensets along with the above-given standard and optional equipment meet the needs of the Generator Rental industry.

In addition, according to local environmental conditions and customer`s demand; with optional Anti-condensation heater, fuel tank heater, jacket water, and a space heater that allows easy operation in cold weather conditions; It offers customer-friendly solutions with motor-controlled air intake louver and optional equipment.



GENSET SPECS (CUMMINS)
400V / 50Hz (Power Factor: 0,8)

Model	Engine Brand	Engine Model	Control Module	Generator Power				Fuel Tank Capacity (L)	Fuel Consumption at Full Load (lt/sc)	Dimensions (LxWxH)(mm)
				Standby		Prime				
				kVA	kW	kVA	kW			
AC 550	CUMMINS	QSX15-G8	DSE7320	550	440	500	400	1400	101	1810 x 5780 x 2570

GENSET SPECS (PERKINS)
400V / 50Hz (Power Factor: 0,8)

Model	Engine Brand	Engine Model	Control Module	Generator Power				Fuel Tank Capacity (L)	Fuel Consumption at Full Load (lt/sc)	Dimensions (LxWxH)(mm)
				Standby		Prime				
				kVA	kW	kVA	kW			
AP 33	PERKINS	1103A-33G	DSE7320	33	26,4	30	24	430	7,1	1170 x 3340 x 1820
AP 50	PERKINS	1103A-33TG1	DSE7320	50	40	45	36	430	10,7	1170 x 3340 x 1820
AP 72	PERKINS	1104A-44TG1	DSE7320	72	57,6	66	52,8	430	14,8	1170 x 3340 x 1820
AP 88	PERKINS	1104A-44TG2	DSE7320	88	70,4	80	64	430	18,7	1170 x 3340 x 1820
AP 110	PERKINS	1104C-44TAG2	DSE7320	110	88	100	80	430	22,6	1170 x 3340 x 1820
AP 165	PERKINS	1106A-70TAG2	DSE7320	165	132	150	120	540	33,4	1240 x 3650 x 1850
AP 200	PERKINS	1106A-70TAG3	DSE7320	200	160	180	144	540	41,4	1240 x 3650 x 1850
AP 275	PERKINS	1206A-E70TTAG3	DSE7320	275	220	250	200	730	56,9	1380 x 4200 x 2050
AP 330	PERKINS	1506A-E88TAG5	DSE7320	330	264	300	240	730	64,9	1380 x 4200 x 2050
AP 400	PERKINS	2206A-E13TAG2	DSE7320	400	320	350	280	1400	71	1810 x 5780 x 2570
AP 450	PERKINS	2206A-E13TAG3	DSE7320	450	360	410	328	1400	81	1810 x 5780 x 2570
AP 500	PERKINS	2506A-E15TAG1	DSE7320	500	400	455	364	1400	95	1810 x 5780 x 2570
AP 550	PERKINS	2506A-E15TAG2	DSE7320	550	440	500	400	1400	100	1810 x 5780 x 2570



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JENERATOR

GENSET SPECS (JOHN DEERE)

400V / 50Hz (Power Factor: 0,8)

Model	Engine Brand	Engine Model	Control Module	Generator Power				Fuel Tank Capacity (L)	Full Load Fuel Consumption (lt/sc)	Dimensions (LxWxH)(mm)
				Standby		Prime				
				kVA	kW	kVA	kW			
AJD 33	JOHN DEERE	3029DFG20	DSE7320	33	26,4	28	22,4	430	7,5	1170 x 3340 x 1820
AJD 66	JOHN DEERE	3029HFG20	DSE7320	66	52,8	60	48	430	14,1	1170 x 3340 x 1820
AJD 88	JOHN DEERE	4045TFG20	DSE7320	88	70,4	81	64,8	430	20	1170 x 3340 x 1820
AJD 110	JOHN DEERE	4045HFG20	DSE7320	110	88	100	80	430	23,8	1170 x 3340 x 1820
AJD 132	JOHN DEERE	6068TF220	DSE7320	132	105,6	120	96	540	26,7	1240 x 3650 x 1850
AJD 170	JOHN DEERE	6068HF120	DSE7320	170	136	155	124	540	34	1240 x 3650 x 1850
AJD 275	JOHN DEERE	6068HFG55	DSE7320	275	220	250	200	730	53,1	1380 x 4200 x 2050

GENSET SPECS (VOLVO)

400V / 50Hz (Power Factor: 0,8)

Model	Engine Brand	Engine Model	Control Module	Generator Power				Fuel Tank Capacity (L)	Full Load Fuel Consumption (lt/sc)	Dimensions (LxWxH)(mm)
				Standby		Prime				
				kVA	kW	kVA	kW			
AVP 275	VOLVO	TAD841GE	DSE7320	275	220	250	200	730	54	1380 x 4200 x 2050
AVP 350	VOLVO	TAD1341GE	DSE7320	350	280	320	256	1400	63,1	1810 x 5780 x 2570
AVP 415	VOLVO	TAD1343GE	DSE7320	415	332	380	304	1400	75,7	1810 x 5780 x 2570
AVP 450	VOLVO	TAD1344GE	DSE7320	450	360	410	328	1400	83,1	1810 x 5780 x 2570
AVP 505	VOLVO	TAD1345GE	DSE7320	505	404	455	364	1400	91,8	1810 x 5780 x 2570
AVP 550	VOLVO	TAD1641GE	DSE7320	550	440	500	400	1400	103,2	1810 x 5780 x 2570



PRODUCT DETAIL SPECS (CUMMINS)

Model	Engine Model	Engine Power at Rated Speed		Engine Capacity	Number of Cylinders	Bore and Stroke	Emission	Alternator Model	Canopy Model
		(kWm)	(HP)	(lt)		(mm)			
AC 550	QXS15-G8	500	670	15	6 cylinders - in line	137 x 169	Non-emission	ECO40-3S/4B	AKRE40

PRODUCT DETAIL SPECS (PERKINS)

Model	Engine Model	Engine Power at Rated Speed		Engine Capacity	Number of Cylinders	Bore ve Stroke	Fuel Consumption at Full Load	Emission	Control Module	Alternator Model	Kabin Modeli	Canopy Dimensions	Canopy Fuel Tank Capacity
		(kWm)	(HP)	(lt)		(mm)	(lt/h)					(mm)	(lt)
AP 33	1103A-33G	31	41,5	3,3	3 cylinders - in line	105x127	7,10	Non-emission	DSE7320	ECP28-VL/4C	AKRE10	1170 x 3340 x 1820	430
AP 50	1103A-33TG1	46,5	62,3	3,3	3 cylinders - in line	105x127	10,70	Non-emission	DSE7320	ECP32-1M/4C	AKRE10	1170 x 3340 x 1820	430
AP 72	1104A-44TG1	65,6	87,9	4,4	4 cylinders - in line	105x127	14,80	Non-emission	DSE7320	ECP32-1L/4C	AKRE10	1170 x 3340 x 1820	430
AP 88	1104A-44TG2	80,7	108,1	4,4	4 cylinders - in line	105x127	18,70	Non-emission	DSE7320	ECP32-2L/4C	AKRE10	1170 x 3340 x 1820	430
AP 110	1104C-44TAG2	103	138,0	4,4	4 cylinders - in line	105x127	22,60	Non-emission	DSE7320	ECP34-2S/4C	AKRE10	1170 x 3340 x 1820	430
AP 165	1106A-70TAG2	149,1	199,8	7,01	6 cylinders - in line	105x135	33,4	Non-emission	DSE7320	ECP 34 1L4C	AKRE20	1240 x 3650 x 1850	540
AP 200	1106A-70TAG3	180,2	241,5	7,01	6 cylinders - in line	105x135	41,4	Non-emission	DSE7320	ECO38-1S/4	AKRE20	1240 x 3650 x 1850	540
AP 275	1206A-E70TTAG3	248,6	333,1	7,01	6 cylinders - in line	105x135	56,9	Non-emission	DSE7320	ECO 38 2M4C	AKRE30	1380 x 4200 x 2050	730
AP 330	1506A-E88TAG5	307	411,5	8,8	6 cylinders - in line	112x149	64,9	Non-emission	DSE7320	ECO38-2L/4	AKRE30	1380 x 4200 x 2050	730
AP 400	2206A-E13TAG2	368,4	493,8	12,5	6 cylinders - in line	130x157	71	Non-emission	DSE7320	ECO40 1S/4B	AKRE40	1812 x 5780 x 2570	1400
AP 450	2206A-E13TAG3	412,5	552,9	12,5	6 cylinders - in line	130x157	81,00	Non-emission	DSE7320	ECO40-2S/4B	AKRE40	1810 x 5780 x 2570	1400
AP 500	2506A-E15TAG1	451	604,5	15,2	6 cylinders - in line	137x171	95,00	Non-emission	DSE7320	ECO40-3S/4B	AKRE40	1810 x 5780 x 2570	1400
AP 550	2506A-E15TAG2	495	663,8	15,2	6 cylinders - in line	137x171	100,00	Non-emission	DSE7320	ECO40-3S/4B	AKRE40	1810 x 5780 x 2570	1400



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PRODUCT DETAIL SPECS (JOHN DEERE)

Model	Engine Model	Engine Power at Rated Speed		Engine Capacity (lt)	Number of Cylinders	Bore ve Stroke (mm)	Fuel Consumption at Full Load (lt/h)	Emission	Control Module	Alternator Model	Kabin Modeli	Canopy Dimensions	Canopy Fuel Tank Capacity
		(kWm)	(HP)									(mm)	(lt)
AJD 33	3029DFG20	31	41	2,9	3 cylinders - in line	106x110	7,50	Non-emission	DSE7320	ECP28-VL/4C	AKRE10	1170 x 3340 x 1820	430
AJD 66	3029HFG20	61	82	2,9	3 cylinders - in line	106x110	14,10	Non-emission	DSE7320	ECP32-2M/4C	AKRE10	1170 x 3340 x 1820	430
AJD 88	4045TFG20	83	111	4,5	4 cylinders - in line	106x127	20,00	Non-emission	DSE7320	ECP32-2L/4C	AKRE10	1170 x 3340 x 1820	430
AJD 110	4045HFG20	103	140	4,5	4 cylinders - in line	106x127	23,80	Non-emission	DSE7320	ECP34-2S/4C	AKRE10	1170x x 3340 x 1820	430
AJD 132	6068TF220	121	162	6,8	6 cylinders - in line	106x127	26,70	Non-emission	DSE7320	ECP34-1M/4C	AKRE20	1240 x 3650 x 1850	540
AJD 170	6068HF120	155	208	6,8	6 cylinders - in line	106x127	34	Non-emission	DSE7320	ECP34-2L/4C	AKRE20	1240 x 3650 x 1850	540
AJD 275	6068HFG55	250	335	6,8	6 cylinders - in line	106x127	53,1	Non-emission	DSE7320	ECO 38 2M4C	AKRE30	1380 x 4200 x 2050	540

PRODUCT DETAIL SPECS (VOLVO)

Model	Engine Model	Engine Power at Rated Speed		Engine Capacity (lt)	Number of Cylinders	Bore ve Stroke (mm)	Fuel Consumption at Full Load (lt/h)	Emission	Control Module	Alternator Model	Kabin Modeli	Canopy Dimensions	Canopy Fuel Tank Capacity
		(kWm)	(HP)									(mm)	(lt)
AVP 275	TAD841GE	250	340	7,15	6 cylinders - in line	108x130	54,50	Stage II	DSE7320	ECO 38 2M4C	AKRE30	1380 x 4200 x 2050	730
AVP 350	TAD1341GE	308	419	12,78	6 cylinders - in line	131x158	63,10	Stage II	DSE7320	ECO38-3L/4	AKRE40	1810 x 5780 x 2570	1400
AVP 415	TAD1343GE	366	498	12,78	6 cylinders - in line	131x158	75,7	Stage II	DSE7320	ECO40 1S/4B	AKRE40	1812 x 5780 x 2570	1400
AVP 450	TAD1344GE	399	543	12,78	6 cylinders - in line	131x158	83,10	Stage II	DSE7320	ECO40-2S/4B	AKRE40	1810 x 5780 x 2570	1400
AVP 505	TAD1345GE	441	600	12,78	6 cylinders - in line	131x158	91,80	Stage II	DSE7320	ECO40-3S/4B	AKRE40	1810 x 5780 x 2570	1400
AVP 550	TAD1641GE	484	658	16,12	6 cylinders - in line	144x165	103,20	Stage II	DSE7320	ECO40-3S/4B	AKRE40	1810 x 5780 x 2570	1400

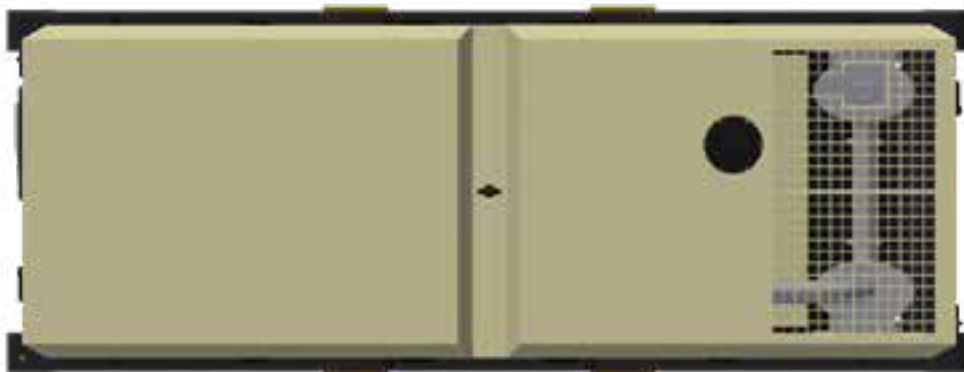


ELECTRICAL STANDARDS

- AMF Control Module
- Fuel level monitoring over control module
- High and low fuel level alarms
- Fuel leakage alarm
- Mounted with 3P/4P output breaker switch.
- 2 pcs 3x16A(1P+N+Earth) singlephse and 1 pcs 5X32A (3P+N+Earth) CEE Norm 3 phase socket output
- 30mA leakage protective relay on socket outputs
- Earth Fault Protection on Notr
- 1 mt grounding rod and cable on chassis (5m 16mm²)
- Manual Battery Switch
- Compatible panel for different cable connection with screw clamp rail terminals

MECHANICAL STANDARDS

- Special design canopy geometry for rental applications
- Thicker canopy panel structure
- Bunded base fuel tank (upto 825kVA)
- Lockable fuel cap for external filling
- Mechanical fuel level monitoring on fuel tank
- Manual pump on fuel tank for leakage and waste drain
- Canopy is 2-3 cm wider than chassis for protection
- Manual oil drain pump on chassis
- Forklift carriage holes with rubber protection for impacts
- Chassis design convenient for pulling
- Proper shackles for winch lifting from top
- Reflector on canopy
- Lockable door locks
- Hot air exhaust from above
- Critical silencer



OPTIONAL EQUIPMENT

- Synchronization panel
- Monitoring over GSM modem
- Switcher or contactors with motor
- Canopy Door open Swith
- Electrical oil drain pump on chassis (Subject to canopy compatibility)
- Electronic Governor for mechanical groups
- 3 way fuel suction valve
- Fuel water separator filter
- Heavy duty air filter
- Air block valve
- Spark arrester

COLD WEATHER START-UP AID

- Fuel Heater
- Oil Heater
- Canopy internal heater (Webasto or Resistance Heater)
- Alternator Heater
- Automatic louvre vents (Air intake & Exhaust)

FOR HOT AND TROPICAL CONDITIONS

- 55 °C ATB radiator
- Dust catching filter for air intake
- Tropical winding alternator
- Dust catcher louvre vent





Both side large access doors
Secure and durable personnel access doors on each side of the canopy for easy maintenance.



Lockable handles and powder coated hinges
All external fixture and fittings are made from stainless steel or powder coated, secure, high quality door locks and hinges used on all access door.



Emergency Stops
Emergency stop buttons are conveniently located side by personnel doors, fully wired and connected to generator set control panel.



Detachable Bumper
Detachable bumper to protect the generator from impact on the field to move it, by pushing it when necessary.



Electrostatic painted canopy
Electrostatic canopy paint coated canopy steel plates tested by accredited laboratory, quality of canopy parts of DG tested and approved 1500 hours salt spray test according to TS EN ISO 9227.



Remote access, control and monitoring
Automatic SMS on alarm or event & gen-set control
On-line control and monitoring with GSM/GPRS modem/wireless Internet via IL-NT GPRS



The large user friendly panel
The large designed control panel and breaker panel allows to do easy maintenance and power cable connection.



Advance Genset Controller DSE 7320 AMF Control Module

Compact gen-set controller for single gen-set operation. Meets all requirements for Auto Mains Failure (AMF) applications. Full gen-set monitoring and protection.

Fully configurable via PC using USB, RS232 & RS485 communication. Detailed RTC event and performance log.



Insulated and protected power cable connection
Power cable between alternator with breakers. Fully isolated and covered safely.



IP 44 power socket

1 piece 3 phase and 2 piece single phase IP44 socket for field use.



Grounding rod and cable

A grounding rod and grounding cable are available for easier grounding of the generator at the site.



Fuel leakage sensor

Fuel leakage sensor is available on bunded fuel tank to monitoring the fuel leakage.



Lamps for interior lighting

Heat and impact resistant interior lighting fixtures provide easy maintenance and repair



3 way valve

3 way valve to connection of internal or external fuel tank alternatively.



Non-slip flooring/textured finish

Fully metal doors with textures non slip heavy duty surface.



Manual oil drain pump

Manual oil drain pump to easily drain the lubrication oil from engine.



Lokcable External Fuel Cap

External fuel cap to fill tank from outside of the cabinet which is lockable with keys.

