

www.aksa.com.tr

# Alternative power solutions for your residential area



# **GASOLINE GENERATING SETS**

#### **AAP 1000i**

#### Inverter



AC Rated Power .....: 0,85 kW AC Max. Power.....: 0,95 kW AC Voltage..... 230 V AC Rated Current....: 3,7 A Fuel Tank Capacity ..: 2,1 lt. Oil Capacity ...... 0,25 lt. Fuel Consumption ...: 0,6 lt./hour Dimension (LxWxH).: 505 x 280 x 410 mm Weight..... 15,3 kg Starting Type ...... Recoil Start

Sound Level(LpA) ...: 64 dB(A)@7m

AC Rated Power .....: 1,7 kW AC Max. Power...... 1,9 kW AC Voltage...... 230 V AC Rated Current....: 7,4 A Fuel Tank Capacity ..: 3,6 lt. Oil Capacity ...... 0,4 lt. Fuel Consumption ...: 1 lt./hour Dimension (LxWxH).: 555 x 305 x 460 mm Weight..... 24,5 kg Starting Type .....: Recoil Start

Sound Level(LpA) ...: 64 dB(A)@7m

AC Rated Power ....: 2,3 kW

AC Max. Power.....: 2,5 kW

AC Voltage ...... 230 V

AC Rated Current ...: 10 A

Fuel Tank Capacity.: 15 lt.

Oil Capacity...... 0,6 lt.

Weight ..... 49 kg

Fuel Consumption..: 1,1 lt./hour

Starting Type .....: Recoil Start

Sound Level(LpA)...: 76 dB(A)@7m

Dimension (LxWxH).: 590 x 480 x 460 mm

**AAP 2000i** Inverter



#### **AAP 1200**



AC Rated Power ....: 0,9 kW AC Max. Power .....: 1,0 kW AC Voltage ...... 230 V AC Rated Current ...: 3,4 A Fuel Tank Capacity: 7 lt. Oil Capacity .....: 0,4 lt. Fuel Consumption .: 0,5 lt./hour Dimension (LxWxH).: 465 x 355 x 385 mm

Weight ...... 26 kg Starting Type .....: Recoil Start Sound Level(LpA)...: 66 dB(A)@7m

### **AAP 3500**



#### **AAP 5500**



AC Rated Power ....: 4 kW AC Max. Power .....: 4,5 kW AC Voltage ...... 230 V AC Rated Current ...: 17,3 A Fuel Tank Capacity.: 25 lt. Oil Capacity..... 1,1 lt. Fuel Consumption..: 2,5 lt./hour Dimension (LxWxH).: 680 x 540 x 550 mm Weight ...... 78 kg Starting Type ...... Recoil Start

Sound Level(LpA)...: 76 dB(A)@4m

AC Rated Power ....: 6 kW

AC Rated Power .....: 4 kW AC Max. Power.....: 4,5 kW AC Voltage ...... 230 V

AC Rated Current ...: 17,3 A Fuel Tank Capacity.: 25 lt. Oil Capacity..... 1,1 lt.

Fuel Consumption..: 2,5 lt./hour Dimension (LxWxH).: 680 x 540 x 550 mm

Weight ...... 80 kg Starting Type .....: Electrical Start Sound Level(LpA)...: 76 dB(A)@4m

#### **AAP 5500E**



#### **AAP 8000E**



AC Max. Power.....: 6,5 kW AC Voltage ...... 230 V AC Rated Current ...: 26 A Fuel Tank Capacity.: 30 lt. Oil Capacity (lt) ....: 1,1 lt. Fuel Consumption ..: 3,0 lt./hour Dimension (LxWxH).: 810 x 540 x 575 mm Weight ...... 98 kg Starting Type .....: Electrical Start

Sound Level(LpA)...: 76 dB(A)@7m

#### **AAP 8000E3**

**AB 110 TE** 

**Three Phase** 

AC Rated Power ....: 6 kW AC Max. Power.....: 6,5 kW AC Voltage ...... 400 V AC Rated Current ...: 10,8 A Fuel Tank Capacity.: 30 lt. Oil Capacity..... 1,1 lt. Fuel Consumption ..: 3,0 lt./hour

Dimension (LxWxH).: 810 x 540 x 575 mm

Weight ...... 98 kg Starting Type .....: Electrical Start Sound Level(LpA)...: 76 dB(A)@7m

AC Rated Power .....: 8 kW

AC Max. Power.....: 8,8 kW

AC Voltage ...... 400 V

AC Rated Current ...: 14,4 A

Fuel Tank Capacity.: 16 lt.

Oil Capacity...... 1,7 lt. Fuel Consumption..: 5 lt./hour

Weight ..... 117 kg

# **Three Phase**



#### **AB 110 ME**



AC Rated Power ....: 8 kW AC Max. Power.....: 8,8 kW AC Voltage ...... 230 V AC Rated Current ...: 34,8 A Fuel Tank Capacity.: 16 lt. Oil Capacity...... 1,7 lt. Fuel Consumption ..: 5 lt./hour Dimension (LxWxH).: 910 x 740 x 750mm Weight .....: 122 kg

Starting Type .....: Electrical Start Sound Level(LpA)...: 75 dB(A)@7m

15-30 lt fuel tank capacity
[AAP 1200, 1000i, 2000i models are excluded]



16 A or 32 A of the conditions of



Engine stops when the oil level

Dimension (LxWxH).: 910 x 740 x 750mm

Starting Type .....: Electrical Start

Sound Level(LpA)...: 75 dB(A)@7m





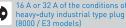
Absorbed to purify the air of dust and debris, dual element air filter



Group on the A.C. Quadrant shows the output voltage



**OHV** Maintenance and use easier to from the top valve engine



# **DIESEL GENERATING SETS**

#### **APD 12 A**

#### **Three Phase**



AC Rated Power ....: 10,6 kVA AC Max. Power.....: 11,5 kVA AC Voltage ...... 400/230 V AC Rated Current ...: 15 A Fuel Tank Capacity.: 32 lt. Oil Capacity..... 4,5 lt. Fuel Consumption..: 3,4 lt./hour

Dimension (LxWxH).: 1522 x 823 x 1127 mm

Weight ..... 470 kg Starting Type .....: Automatic Sound Level(LpA)...: 83,7 dB(A)@1m

#### **APD 16 A**

**Three Phase** 



#### **APD 12 EM**

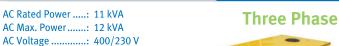


AC Rated Power ....: 8,8 kW AC Max. Power .....: 9,6 kW AC Voltage ...... 230 V AC Rated Current ...: 38 A Fuel Tank Capacity.: 15 lt. Oil Capacity..... 2,3 lt. Fuel Consumption ..: 4 lt./hour

Dimension (LxWxH).: 1160 x 725 x 860 mm

Weight ..... 250 kg Starting Type .....: Automatic Sound Level(LpA)...: 82,5 dB(A)@7m

#### **APD 12 E**





#### **AAP 12000 E**

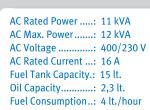


AC Rated Power ....: 8,8 kW AC Max. Power.....: 9,6 kW AC Voltage ...... 230 V AC Rated Current ...: 38 A Fuel Tank Capacity.: 15 lt. Oil Capacity..... 2,3 lt. Fuel Consumption ..: 4 lt./hour

Dimension (LxWxH).: 1050 x 777 x 925 mm

Weight ..... 200 kg Starting Type .....: Electrical Start

## **AAP 12000 E3**



AC Rated Power ....: 15,5 kVA

AC Max. Power.....: 14,5 kVA

AC Rated Current ...: 21 A

Fuel Tank Capacity.: 32 lt. Oil Capacity...... 5 lt.

AC Voltage ...... 400/230 V

Fuel Consumption ..: 4,1 lt./hour

Weight ...... 520 kg

AC Rated Current ...: 16 A

Fuel Tank Capacity.: 15 lt.

Oil Capacity..... 2,3 lt.

Weight ..... 250 kg

Fuel Consumption..: 4 lt./hour

Starting Type .....: Automatic

Sound Level(LpA)...: 82,5 dB(A)@7m

Dimension (LxWxH).: 1160 x 725 x 860 mm

Starting Type .....: Automatic

Sound Level(LpA)...: 79,8 dB(A)@1m

Dimension (LxWxH).: 1672 x 823 x 1127 mm

Dimension (LxWxH).: 1050 x 777 x 925 mm

Weight ..... 200 kg Starting Type .....: Electrical Start



#### **AAP 4200 DE**



AC Rated Power ....: 4,2 kW AC Max. Power.....: 4,5 kW AC Voltage .....: 230 V AC Rated Current ...: 18 A Fuel Tank Capacity.: 16 lt. Oil Capacity.....: 1,65 lt. Fuel Consumption ..: 1,33 lt./hour Dimension (LxWxH).: 960 x 580 x 760mm Weight ...... 170 kg Starting Type .....: Electrical Start

Sound Level(LpA)...: 75 dB(A)@7m

## **ELECTRICAL TOOLS LOAD CHART**



Fluorescent Lamp 30 W



Fan 50 W



Radio 50 W



Light Bulp 60 W



Telefax 65 W



DVD/VCD player 100 W



Boiler 170 W



Drill 250 W



TV/51 Scr. 300 W



Refrigerator 350 W



Computer 15" 400 W



Drill 10 mm 500 W



Microwave Oven 700 W



Toaster 1100 W



Chainsaw 1200 W

## **USING AN AKSA GASOLINE GENERATING SETS**

For your safety and comfort, AKSA portable gen-sets will be your best solution during electricity interruptions. It is strongly recommended to apply the bellow stated tips before starting up the gen-set.

- 1. Do read the user manual before starting up the engine. Aksa guarantee does not include companents failures by faulty operation.
- 2. Pay close attention to the amount needed to operate the appliances and items you intend to run (see load chart). Overloading your generator could result in a blown fuse or damage the items you are running.
- **3.** Never run your generator in a fullyh enclosed area including a garage, carport, basement, crawlspace, other enclosed or partially enclosed area, even with ventilation. Opening doors, windows or using fans will not prevent carbon monoxide build-up.
- **4.** Plug appliances directly into the generator or use a heavy-duty, outdoor extension cord that is rated at least equal to the sum of the connected appliances loads.
- **5.** Do not operate engine in wet environment you could be electrocuted. Additionally, never touch your generator with wet hands.
- **6.** It is hazardous to refuel when the engine is hot. It is also recommended to check the oil level in every refueling.
- **7.** Check the oil level when filling each fuel. At the normal temperatures SAE10W-30 oil is recommended.

- **8.** 95 octane unleaded gasoline should be used in Aksa portable generators. YOU SHOULD NEVER MIX OIL AND FOREIGN MATERIAL WITH GASOLINE.
- **9.** When stopping generator, the full tap should be turned off. Otherwise, the generator can be damaged.
- **10.** Portable generators must be operated continuously up to 5 hours. At the end of this period the engine have to cool for 1 hour rest.
- **11.** Cordless model's battery might be discharged if not being run for a long time. Therefore, generators need to be run once a week due to lubrication of the engine and battery life.
- **12.** Do not use portable generators to run the welding machine.
- **13.** Aksa Service doesn't give a service in situ. Generators to reach the customers sole responsibility to services. Aksa services give onsite services offers for a fee.
- **14.** Before connecting circuit breaker to electrical system, please pay attention on the following:
- 2-pole circuit breaker should be used for one phase generators, 4-pole circuit breaker should be used for three phases generators
- **15.** Do not use portable generators to run medical devices, life support units(breating apparates).

# **HOW TO SELECT AN AKSA PORTABLE GENERATING SETS**

- 1. Identify the tools and appliances you wish to operate with your generator.
- 2. Determine the required power of each item (see the table below).
- **3.** Calculate the required watts of the items that will be running simultaneously.
- 4. Nominal power output 100 m altitude and 25 °C ambient

temperature is given by. All 300 m at 3.5% and each 5.5 °C at %2 the power drops.

Starting power is an important factor whilst choosing the right generator. For instance, devices such as; electric motor refrigerators, air conditioners, compressors need 2-3 times more power whilst starting up. Therefore, this feature must be taken into account when determining power of a generator.





<sup>\*</sup> Please check the manual book before using diesel gen sets.