

50 hz

GENERATOR SETS

Diesel Generator Sets

Standby & Prime

9.6 - 3000 kVA

POWER YOUR FUTURE



AKSa

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POWER

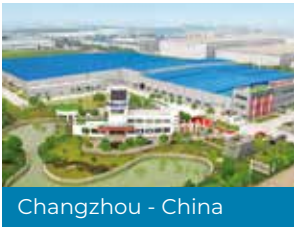


YOUR FUTURE

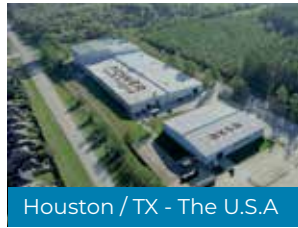
About Us



Türkiye Production Center - Cerkezoy / Tekirdag



Changzhou - China



Houston / TX - The U.S.A



Rotterdam - The Netherlands



Dubai - U.A.E.

The roots of Kazanci Holding were established in 1950's. Embracing principles of "customer satisfaction and reliance" as its main priority, Kazanci Holding has been one of the leading firms in the Turkish energy market with manufacturing generating sets, natural gas distribution and installation-operation of power plants.

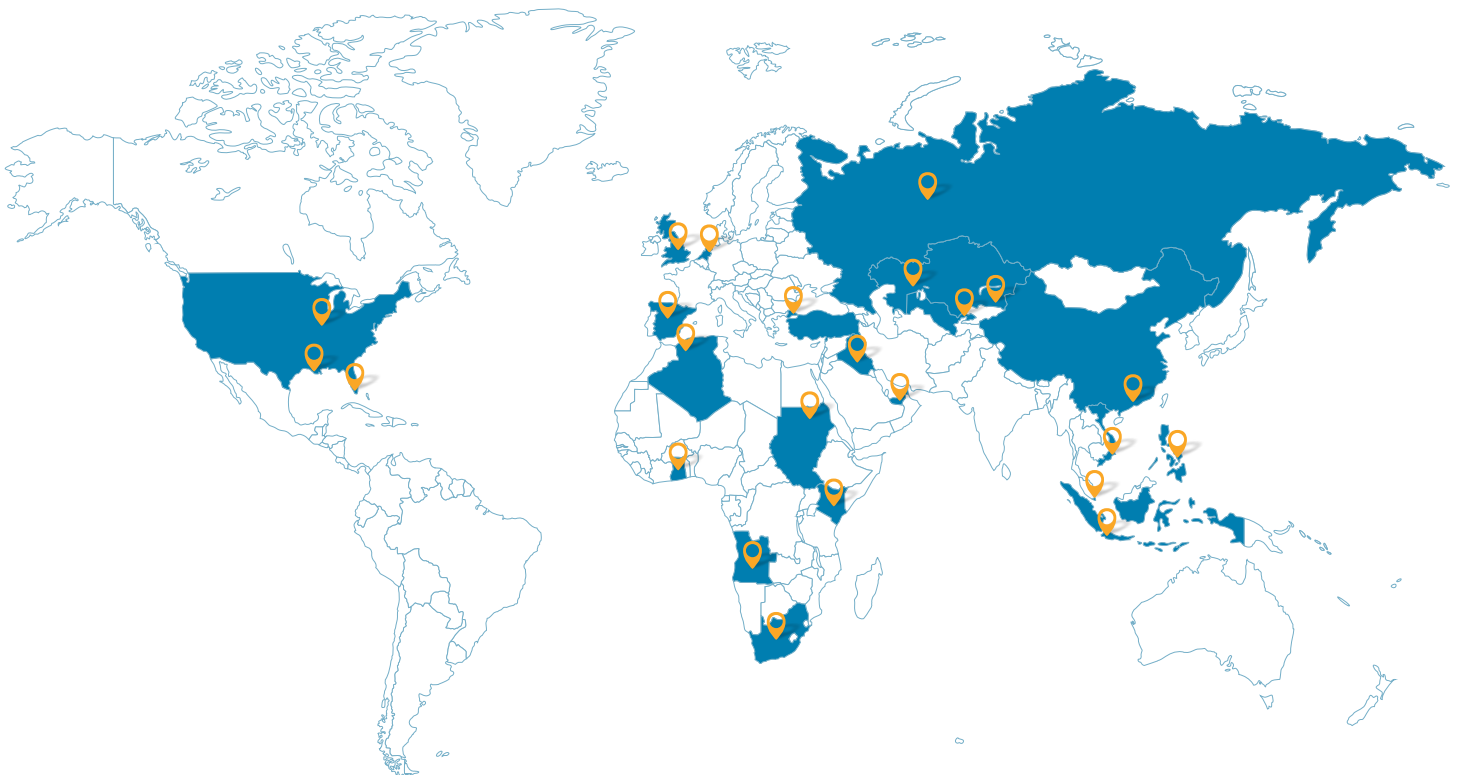
Since its foundation in 1984, being the leading company in the Turkish market; Aksa Power Generation takes place among the top 200 industrial enterprises and exporter firms in Turkey.

In addition, Aksa is rightfully proud of being one of the leading generating sets manufacturers in the world with the total amount of 40.000 gasoline, diesel and natural gas generating sets ranging from 1 to 3125 kVA manufactured per year in its four production facilities, one of in Cerkezoy - Türkiye, Changzhou - China, Louisiana - The U.S.A. and a trade center in Rotterdam - The Netherlands.

Today, exporting more than %50 of its production, Aksa Power Generation progresses towards the goal of succes globally. With its 23 overseas offices, 1 representative office, Aksa supplies generating sets all around the world. Aksa Power Generation keeps continually investing in technology to be a pioneer of innovation.

Global Locations

We are proud of being one of the leading gensets manufacturers in the world.



6

production and trade facilities;

- Louisiana, U.S.A.
- Cerkezkoy, Türkiye
- Changzhou, China
- Zaragoza, Spain
- Rotterdam, Netherlands
- Dubai, UAE

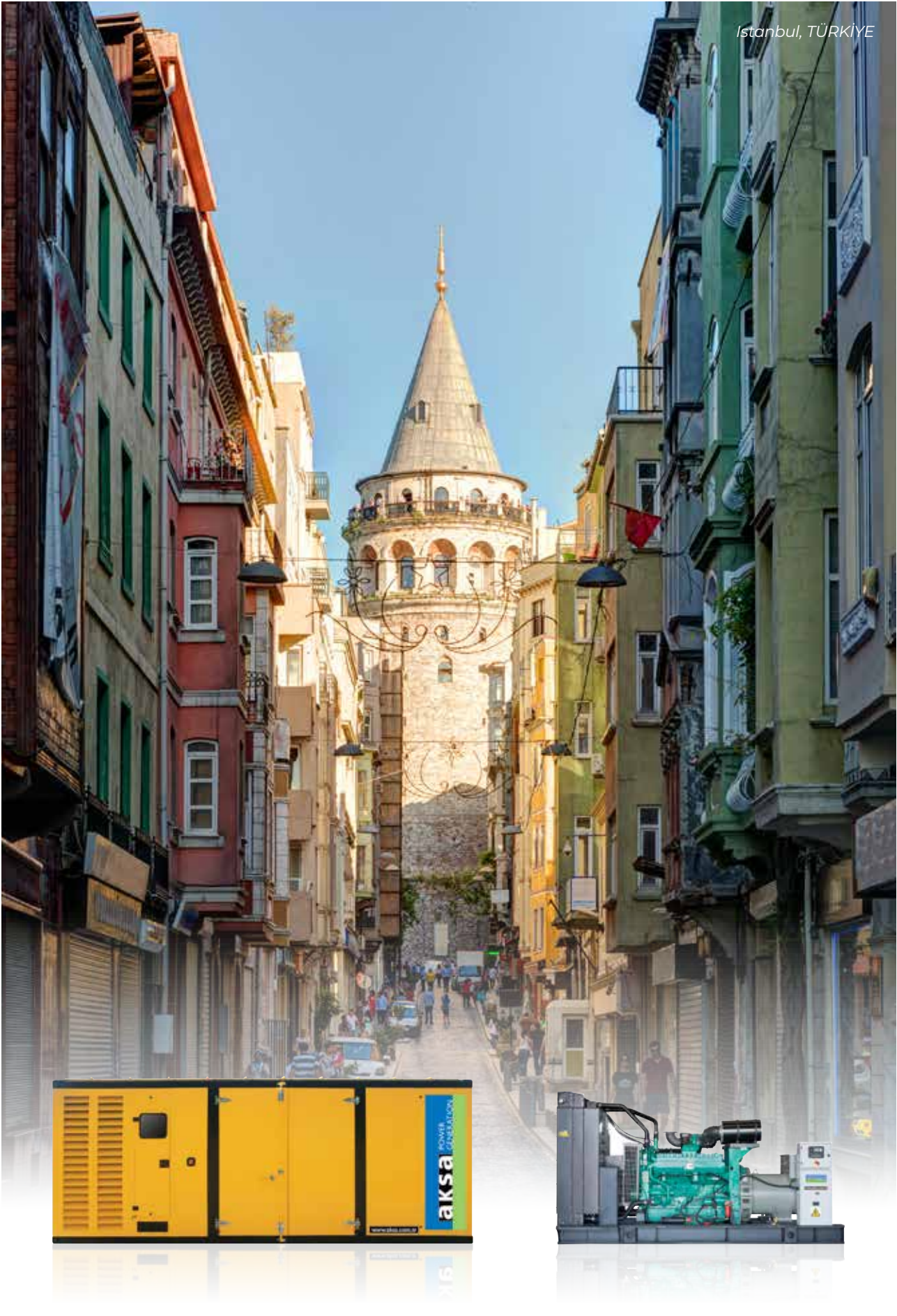
40K

total amount of genset manufacturing capacity per year

178

countries where Aksa makes sales

Istanbul, TÜRKİYE





Diesel Generator Sets

Standby & Prime

550 - 3000 kVA

Standard Open Set Specifications

- CUMMINS 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400/230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Lube - oil drain hand pump fitted
- 24 V D.C. battery set with cables and rack
- Industrial type silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|-------|--------------|-------|----------------------|----------|-------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | | | |
| | Standby | Prime | Standby | Prime | | | | | | | | | | | | |
| AC 550 | 550 | 500 | 440 | 400 | QSX15-G8 | 6L | 14.9 | 137 | 169 | 80 | 850 | 3380x1550x2100 | 3850 | MS 80 | 4860 | P 732 |
| AC 700 | 700 | 638 | 560 | 510,4 | VTA28-G5 | 12V | 28 | 140 | 152 | 104 | 1000 | 3644x1550x2270 | 5470 | MS 85 | 7030 | |
| AC 825 | 825 | - | 660 | - | VTA28-G6 | 12V | 28 | 140 | 152 | 133 | 1000 | 3950x1550x2270 | 5900 | MS 85 | 7640 | |
| AC 880 | 880 | 800 | 704 | 640 | QSK23-G3 | 6L | 23.15 | 170 | 170 | 121 | 1500 | 3950x1705x2225 | 5950 | AK 90 | 9100 | |
| AC 1100 K | 1100 | 1000 | 880 | 800 | KTA38-G14 | 12V | 37.8 | 159 | 159 | 161 | 1500 | 4470x1770x2370 | 8600 | AK 96 | 12250 | |
| AC 1100 | 1100 | 1000 | 880 | 800 | QST30-G4 | 12V | 30.48 | 140 | 165 | 151 | 1500 | 3980x1968x2383 | 6770 | AK 96 | 11000 | |
| AC 1410 | 1410 | 1280 | 1128 | 1024 | KTA50-G3 | 16V | 50.3 | 159 | 159 | 199 | 2000 | 4940x2100x2394 | 9900 | AK 98 | 14000 | |
| AC 1650 | 1650 | 1500 | 1320 | 1200 | KTA50-GS8 | 16V | 50.3 | 159 | 159 | 238 | 2000 / 1900 | 5450x1950x2450 | 10200 | AK 98 | 15100 | |
| AC 2250 | 2250 | 2045 | 1800 | 1636 | QSK60-G4 | 16V | 60.2 | 159 | 190 | 291 | 2000 | 5663x2408x3090 | 15500 | AK 99 | 21100 | |
| AC 2500 | 2500 | - | 2000 | - | QSK60-G8 | 16V | 60.2 | 159 | 190 | 335 | 2000 | 5891x2310x3085 | - | AK 99 | 22000 | |
| AC 2750 | 2750 | 2200 | - | - | QSK60-G22 | 16V | 60.2 | 159 | 160 | 365 | 2000 | - | 17500 | AK 99 | 21500 | |
| AC 3000 | 3000 | 2750 | 2400 | 2200 | QSK78-G9 | 18V | 77.6 | 170 | 190 | 406 | 2500 | 7421x2637x4736 | 16300 | AK 101 | 25000 | |

(1) Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source ESP is in accordance with ISO 8528. Overload is not allowed.

(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period (3) Fuel consumption according to Standby.

* ISO 8528: Ratings are given for 25 °C ambient temperature. Altitude: 100 m. above sea level. Derating, please contact us or refer to data sheet. Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

Shanghai, CHINA





Diesel Generator Sets

Standby & Prime

20 - 2750 kVA

Standard Open Set Specifications

- AKSA BAUDOUIIN 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400/230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Lube - oil drain hand pump fitted
- 24 V D.C. battery set with cables and rack
- Industrial type silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Model | Power kVA (Cosφ 0,8) | | Модель двигателя | Cylinder Number and Type | Displacement | Fuel Consumption 75% (L/h) | Canopy | Fuel Tank Capacity (L) | Control Panel |
|------------|-------------------------|-------|------------------|--------------------------------|--------------|----------------------------------|----------|---------------------------------|---------------|
| | Stand-by | Prime | | | | | | | |
| APD 20 BD | 20 | 18 | 4M06G2D0 | I-4 | 2,3 | 3,6 | ACP 3A | 60 | P 612 |
| APD 25 BD | 25 | 23 | 4M06G4D0 | I-4 | 2,3 | 4,5 | ACP 4 | 76 | |
| APD 35 BD | 35 | 32 | 4M06G6D0 | I-4 | 2,3 | 5,7 | ACP 4 | 76 | |
| APD 44 BD | 44 | 40 | 4M06G8D0 | I-4 | 2,3 | 7 | ACP 4 | 76 | |
| APD 55 BD | 55 | 50 | 4M06G10D0 | I-4 | 2,3 | 8,9 | ACP 5 | 180 | |
| APD 70 BD | 70 | 63 | 4M10G2D0 | I-4 | 4,087 | 11,1 | ACP 6A | 180 | |
| APD 88 BD | 88 | 80 | 4M10G4D0 | I-4 | 4,087 | 13,5 | ACP 6A | 180 | |
| APD 110 BD | 110 | 100 | 4M10G6D0 | I-4 | 4,087 | 16,01 | ACP 6A | 180 | |
| APD 150 BD | 150 | 138 | 6M11G150 | I-6 | 6,75 | 23 | ACP 6B | 271 | |
| APD 165 BD | 165 | 150 | 6M11G4D0 | I-6 | 6,75 | 24,6 | ACP 6B | 271 | |
| APD 220 BD | 220 | 200 | 6M16G2D0/S | I-6 | 9,726 | 32,4 | MS 60 CK | 470 | P 732 |
| APD 275 BD | 275 | 250 | 6M16G6D0/S | I-6 | 9,726 | 42,2 | MS 60 CK | 470 | |
| APD 350 BD | 350 | 325 | 6M16G350/S | I-6 | 9,726 | 52,3 | MS 60 CK | 470 | |
| APD 400 BD | 400 | 365 | 6M21G400/S | I-6 | 12,54 | 60,7 | MS 60 | 470 | |
| APD 440 BD | 440 | 400 | 6M21G440/S | I-6 | 12,54 | 63,5 | MS 60 | 470 | |

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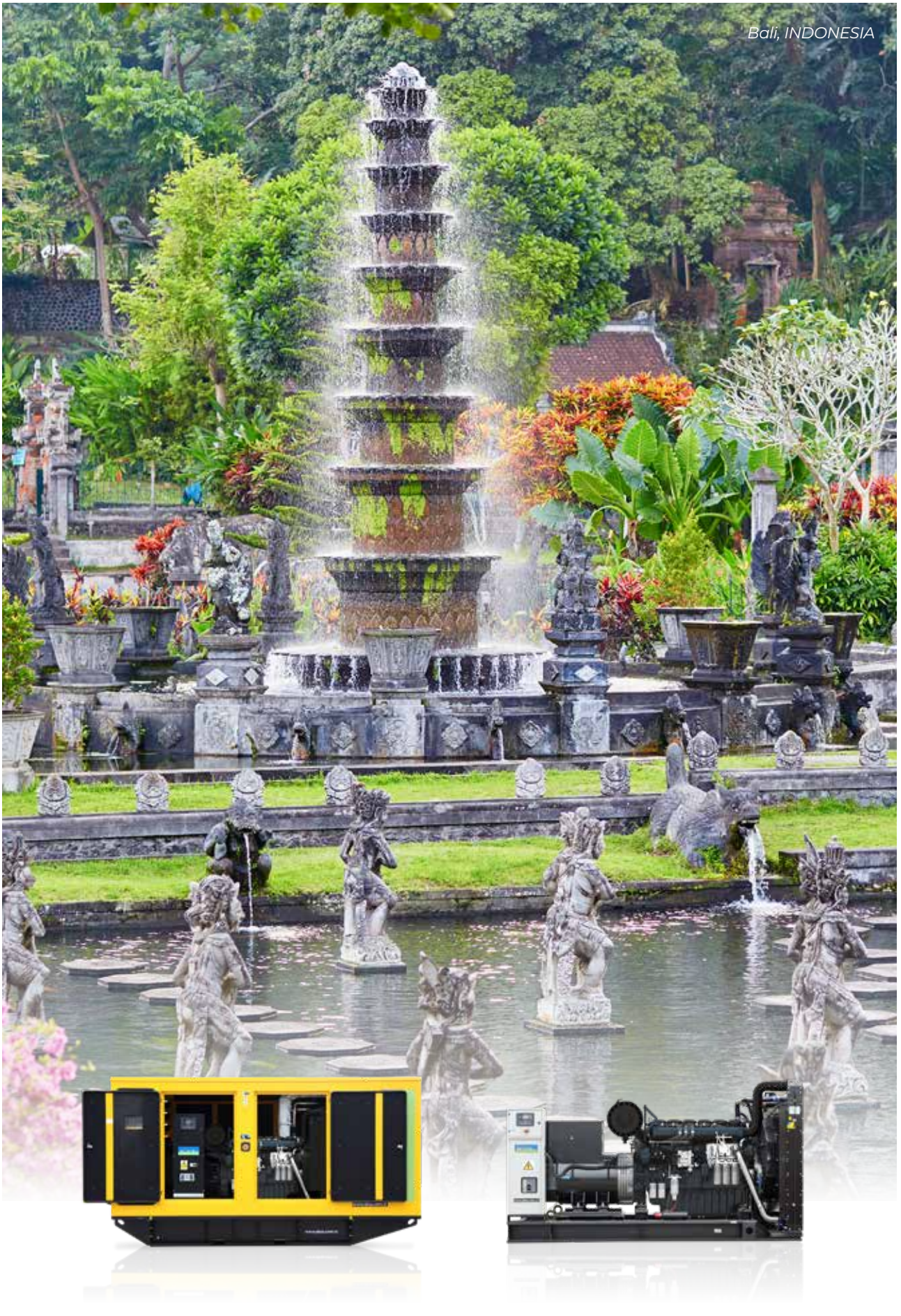
(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period

(3) Fuel consumption according to Standby.

* ISO 8528: Ratings are given for 25 °C ambient temperature. Altitude: 100 m. above sea level. Derating, please contact us or refer to data sheet.

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Bali, INDONESIA





Diesel Generator Sets

Standby & Prime

20 - 2750 kVA

Standard Open Set Specifications

- AKSA BAUDOUIIN 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400/230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Lube - oil drain hand pump fitted
- 24 V D.C. battery set with cables and rack
- Industrial type silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Model | Power kVA (Cosφ 0,8) | | Engine Model | Cylinder Number and Type | Displacement | Fuel Consumption 75% (L/h) | Canopy | Fuel Tank Capacity (L) | Control Panel |
|-------------|-------------------------|-------|--------------|--------------------------------|--------------|----------------------------------|------------------|---------------------------------|------------------|
| | Stand-by | Prime | | | | | | | |
| APD 500 BD | 500 | 455 | 6M21G500/5 | I-6 | 12,54 | 69,6 | MS 70 | 700 | P 732 |
| APD 550 BD | 550 | 500 | 6M21G550/5 | I-6 | 12,54 | 75,3 | MS 70 | 700 | |
| APD 660 BD | 660 | 600 | 8M21G660/5 | 8V | 16,72 | 95,4 | MS 80 | 850 | |
| APD 715 BD | 715 | 650 | 6M33G715/5 | I-6 | 19,6 | 100 | MS 80 | 850 | |
| APD 825 BD | 825 | 750 | 6M33G825/5 | I-6 | 19,6 | 114,8 | MS 85 | 1000 | |
| APD 900 BD | 900 | 820 | 12M26G900/5 | 12V | 31,8 | 133,1 | MS 88 | 1600 | |
| APD 1020 BD | 1020 | 925 | 12M26G1000/5 | 12V | 31,8 | 146,5 | MS 88 | 1600 | |
| APD 1100 BD | 1100 | 1000 | 12M26G1100/5 | 12V | 31,8 | 155,3 | MS 88 | 1600 | |
| APD 1250 BD | 1250 | 1125 | 12M33G1250/5 | 12V | 39,2 | 175 | AK 96 | 1500 | |
| APD 1400 BD | 1400 | 1270 | 12M33G1400/5 | 12V | 39,2 | 190,7 | AK 96- AP1400 | 1900 | |
| APD 1650 BD | 1650 | 1550 | 12M33G1650/5 | 12V | 39,2 | 234,2 | AK 96- AP1400 | 1900 | |
| APD 1925 BD | 1925 | 1750 | 16M33G1900/5 | 16V | 52,3 | 265,4 | AK 99 | 2200 | |
| APD 2000 BD | 2000 | 1820 | 16M33G2000/5 | 16V | 52,3 | 290,7 | AK 99 | 2200 | |
| APD 2250 BD | 2250 | 2050 | 16M33G2250/5 | 16V | 52,3 | 311,3 | AK 99 | 2200 | |
| APD 2500 BD | 2500 | 2250 | 20M33G2500/5 | 20V | 65,4 | 360,7 | AK 100 | 2200 | |
| APD 2750 BD | 2750 | 2500 | 12M55G2750/5 | 12V | 65,65 | 393,2 | AK 99 | 2200 | |

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(3) Fuel consumption according to Standby.

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Ashgabat, TURKMENISTAN





Diesel Generator Sets

Standby & Prime

9,6 - 200 kVA

Standart Open Set Specifications

- AKSA 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Mechanical governor control
- Electronic governor control (APD 110A, APD 135A, APD 165A, APD 200A)
- Electric Starter & charge alternator
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 /230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 12 or 24 V D.C. battery set with cables and rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Mono and Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Canopy Version Genset | | | Control Panel |
|------------------------------------|--------------|-------|--------------|-------|----------------------|----------|------|------|--------|-----------------------|---------------|-----------------------|--------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Canopy Model | Dimension & Weight | | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %100 Load | Tank Capacity | | L. x W. x H. | Dry Weight | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L / h. | L. | | | | |
| | Standby | Prime | Standby | Prime | | | | | | | | | | Auto | |
| APD 12 EM** | 9,6 | 8,8 | 9,6 | 8,8 | A2CRX08 | 2V | 1,81 | 80 | 79 | 3,1 | 15 | AK01 | 1152x776x890 | 270 | P 452 |
| APD 13 A | 12 | 11 | 9,6 | 8,8 | A4CRX19 | I-4 | 1,81 | 80 | 90 | 4,19 | 32 | ACP 1A | 1522x823x1127 | 515 | P 612 |
| APD 17 A | 17 | 16 | 13,6 | 12,8 | A4CRX21 | I-4 | 2,16 | 85 | 95 | 4,59 | 32 | ACP 1A | 1672x823x1127 | 535 | |
| APD 25 A | 25 | 22 | 20 | 17,6 | A4CRX27 | I-4 | 2,67 | 90 | 105 | 6,43 | 60 | ACP 3A | 1980x950x1200 | 810 | |
| APD 35 A | 35 | 32 | 28 | 25,6 | A4CRX36 | I-4 | 3,60 | 98 | 120 | 8,04 | 60 | ACP 3A | 1980x950x1200 | 810 | |
| APD 44 A | 44 | 40 | 35,2 | 32 | A3CRX37 | I-4 | 3,60 | 98 | 120 | 10,4 | 76 | ACP 4 | 2094x950x1359 | 840 | |
| APD 55 A | 55 | 50 | 44 | 40 | A4CRX36T | I-4 | 3,60 | 98 | 120 | 12,4 | 180 | ACP 5 | 2282x1008x1532 | 1170 | |
| APD 75 A | 75 | 70 | 60 | 56 | A4CRX36TI | I-4 | 3,60 | 98 | 120 | 17,25 | 180 | ACP 5 | 2282x1008x1532 | 1250 | |
| APD 110 A | 110 | 100 | 88 | 80 | A4CRX46TI | I-4 | 4,58 | 110 | 125 | 23 | 155 | ACP 6 | 2390x1058x1681 | 1685 | |
| APD 135 A | 135 | 122 | 108 | 97,6 | A4CRX48TI | I-4 | 4,75 | 110 | 125 | 27,7 | 180 | ACP 6A | 2600x1058x1681 | 1790 | |
| APD 165 A | 165 | 150 | 132 | 120 | A6CRX65TI | I-6 | 6,49 | 105 | 125 | 34,3 | 271 | ACP 6B | 3265x1163x1858 | 2070 | |
| APD 200 A | 200 | 182 | 160 | 145,6 | A6CRX71TI | I-6 | 7,13 | 110 | 125 | 42,5 | 271 | ACP 6B | 3265x1163x1858 | 2180 | |

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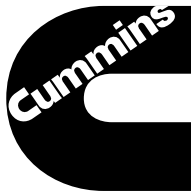
(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period

(3) Fuel consumption according to Standby.

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Astana, KAZAKHSTAN





Diesel Generator Sets

Standby & Prime

22 - 500 kVA

Standart Open Set Specifications

- AKSA 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Mechanical governor control (APD 22 C)
- Electronic governor control
- Electric Starter & charge alternator
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 /230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 12 or 24 V D.C. battery set with cables and rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Canopy Version Genset | | | Control Panel | |
|------------------------------------|--------------|-----|--------------|-------|----------------------|----------|------|------|--------|----------------------|---------------|-----------------------|--------------------|------------|---------------|------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Canopy Model | Dimension & Weight | | Model | |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | | L. x W. x H. | Dry Weight | | Auto |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | | | | | |
| APD 22 C* | 22 | 20 | 17,6 | 16 | 4B3.9-G11 | I-4 | 3.90 | 102 | 120 | 4.6 | 180 | ACP 5 | 2282x1008x1532 | 1020 | P 612 | |
| APD 33 C | 33 | 30 | 26,4 | 24 | 4B3.9-G12 | I-4 | 3.90 | 102 | 120 | 6.1 | 180 | ACP 5 | 2282x1008x1532 | 1040 | | |
| APD 43 C | 43 | 39 | 34,4 | 31,2 | 4BT3.9-G2 | I-4 | 3.90 | 102 | 120 | 7.3 | 180 | ACP 5 | 2282x1008x1532 | 1120 | | |
| APD 66 C | 66 | 60 | 52,8 | 48 | 4BTA3.9-G2 | I-4 | 3.90 | 102 | 120 | 10 | 180 | ACP 5 | 2282x1008x1532 | 1250 | | |
| APD 89 C | 89 | 78 | 71,2 | 62,4 | 4BTA3.9-G11 | I-4 | 3.90 | 102 | 120 | 13.2 | 180 | ACP 5 | 2282x1008x1532 | 1300 | | |
| APD 110 C | 110 | 100 | 88 | 80 | 6BT5.9-G2 | I-6 | 5.90 | 102 | 120 | 17 | 180 | ACP 6A | 2600x1058x1681 | 1480 | | |
| APD 145 C | 145 | 132 | 116 | 105,6 | 6BTAA5.9-G2 | I-6 | 5.90 | 102 | 120 | 23 | 340 | AK 49 | 3402x1147x2007 | 1780 | | |
| APD 175 C | 175 | 160 | 140 | 128 | 6BTA-A5.9-G12 | I-6 | 5.90 | 102 | 120 | 26 | 340 | AK 49 | 3402x1147x2007 | 1880 | P 732 | |
| APD 200 C | 200 | 180 | 160 | 144 | 6CTA8.3-G2 | I-6 | 8.30 | 114 | 135 | 31 | 340 | AK 49 | 3402x1147x2007 | 2140 | | |
| APD 220 C | 220 | 200 | 176 | 160 | 6CTAA8.3-G2 | I-6 | 8.30 | 114 | 135 | 34 | 470 | MS 60 CK | 3963x1356x2171 | 2930 | | |
| APD 275 C | 275 | 250 | 220 | 200 | 6LTAA8.9-G2 | I-6 | 8.90 | 114 | 145 | 39 | 470 | MS 60 CK | 3963x1356x2171 | 2700 | | |
| APD 310 C | 310 | 279 | 248 | 223,2 | 6LTAA9.5-G3 | I-6 | 9.50 | 1165 | 148 | 44 | 470 | MS 60 CK | 3963x1356x2171 | 3350 | | |
| APD 360 C | 360 | 327 | 288 | 261,6 | 6LTAA9.5-G1 | I-6 | 9.50 | 1165 | 148 | 52 | 470 | MS 60 CK | 3963x1356x2171 | 3480 | | |
| APD 400 CE | 400 | 360 | 320 | 288 | QSZ13-G6 | I-6 | 13 | 130 | 163 | 64.6 | 700 | MS 70 CK | 4463x1606x2559 | 4150 | | |
| APD 415 C | 415 | 380 | 332 | 304 | 6ZTAA13-G3 | I-6 | 13 | 130 | 163 | 56.5 | 700 | MS 70 CK | 4463x1606x2559 | 4110 | | |
| APD 450 CE | 450 | 400 | 360 | 320 | QSZ13-G7 | I-6 | 13 | 130 | 163 | 72 | 700 | MS 70 CK | 4463x1606x2559 | 4520 | | |
| APD 475 C | 475 | 440 | 380 | 352 | 6ZTAA13-G2 | I-6 | 13 | 130 | 163 | 65.1 | 700 | MS 70 CK | 4463x1606x2559 | 4340 | | |
| APD 500 C | 500 | 450 | 400 | 360 | QSZ13-G2 | I-6 | 13 | 130 | 163 | 64.6 | 700 | MS 70 CK | 4463x1606x2559 | 4300 | | |

* Mechanical governor control

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(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period

(3) Fuel consumption according to Standby.

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Tashkent, UZBEKISTAN





Diesel Generator Sets

Standby & Prime

14.5 - 2500 kVA

Standart Open Set Specifications

- PERKINS, 4 cycle, water cooled 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Mechanical or electrical governor
- Electric Starter & Charge alternator
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A / V mounting
- Fuel tank built in base frame
- Flexible fuel connection hoses and lube - oil drain valve fitted
- 12 V D.C. battery set with cables and rack
- 24 V D.C. battery set with cables and rack (AP 330 - AP 385)
- Industrial type silencer delivered loose
- Engine jacket water heater
- Manual for use and installation
- Modular silent canopies are available on the whole range

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|-----|--------------|------|----------------------|----------|------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | kg. | Auto | |
| AP 15 | 14,5 | 13 | 11,6 | 10,4 | 403A-15G1 | I-3 | 1,5 | 84 | 90 | 2.79 | 50 | 1250x850x1068 | 425 | AK 10 | 565 | P 612 |
| AP 22 | 22 | 20 | 17,6 | 16 | 404A-22G1 | I-4 | 2,2 | 84 | 100 | 4 | 38 | 1291x850x1092 | 500 | AK 11 | 615 | |
| AP 33 | 33 | 30 | 26,4 | 24 | 1103A-33G | I-3 | 3,3 | 105 | 127 | 5.4 | 80 | 1691x970x1221 | 665 | AK 21 | 880 | |
| AP 50 | 50 | 45 | 40 | 36 | 1103A-33TG1 | I-3 | 3,3 | 105 | 127 | 7.98 | 80 | 1691x970x1225 | 750 | AK 21 | 960 | |
| AP 72 | 72 | 66 | 57,6 | 52,8 | 1104A-44TG1 | I-4 | 4,4 | 105 | 127 | 11.2 | 130 | 1780x950x1316 | 910 | AK 30 | 1165 | |
| AP 88 | 88 | 80 | 70,4 | 64 | 1104A-44TC2 | I-4 | 4,4 | 105 | 127 | 14 | 240 | 2150x1050x1490 | 1040 | AK 40 | 1380 | |
| AP 110 | 110 | 100 | 88 | 80 | 1104C-44TAG2 | I-4 | 4,4 | 105 | 127 | 17.1 | 240 | 2150x1050x1490 | 1120 | AK 40 | 1470 | |
| AP 150 | 150 | 135 | 120 | 108 | 1106A-70TG1 | I-6 | 7,0 | 105 | 135 | 22.7 | 340 | 2300x1080x1629 | 1260 | AK 49 | 1850 | |
| AP 165 | 165 | 150 | 132 | 120 | 1106A-70TAG2 | I-6 | 7,0 | 105 | 135 | 24.7 | 340 | 2300x1080x1629 | 1380 | AK 49 | 1975 | |
| AP 200 | 200 | 180 | 160 | 144 | 1106A-70TAG3 | I-6 | 7,0 | 105 | 135 | 32 | 340 | 2300x1080x1655 | 1650 | AK 49 TRP | 2050 | |
| AP 220 | 220 | 200 | 176 | 160 | 1106A-70TAG4 | I-6 | 7,0 | 105 | 135 | 34.7 | 340 | 2300x1080x1655 | 1750 | AK 49 TRP | 2220 | |
| AP 250 | 250 | 225 | 200 | 180 | 1206A-E70T-TAG2 | I-6 | 7,0 | 105 | 135 | 38 | 470 | 2750x1300x1928 | - | MS 60 | 3180 | |
| AP 275 | 275 | 250 | 220 | 200 | 1206A-E70T-TAG3 | I-6 | 7,0 | 105 | 135 | 41.5 | 470 | 2750x1300x1892 | 2165 | MS 60 | 3180 | |
| AP 330 | 330 | 300 | 264 | 240 | 1506A-E-88TAG5 | I-6 | 8,8 | 112 | 149 | 48.2 | 470 | 2750x1300x1760 | 2385 | MS 60 | 3065 | |
| AP 385 | 385 | 350 | 308 | 280 | 2206A-E-13TAG2 | I-6 | 12,5 | 130 | 157 | 54 | 850 | 3205x1550x2103 | - | MS 80 | 4215 | |
| AP 400 | 400 | 350 | 320 | 280 | 2206A-E-13TAG2 | I-6 | 12,5 | 130 | 157 | 54 | 850 | 3205x1550x2103 | 3200 | MS 80 | 4220 | |
| AP 440 | 440 | 400 | 352 | 320 | 2206A-E-13TAG3 | I-6 | 12,5 | 130 | 157 | 62 | 850 | 3205x1550x2103 | 3180 | MS 80 | 4260 | |

(1) Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source ESP is in accordance with ISO 8528. Overload is not allowed.

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(3) Fuel consumption according to Standby.

* ISO 8528: Ratings are given for 25 °C ambient temperature. Altitude: 100 m. above sea level. Derating, please contact us or refer to data sheet.

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

Abu-Dhabi, UAE





Diesel Generator Sets

Standby & Prime
14.5 - 2500 kVA

Standart Open Set Specifications

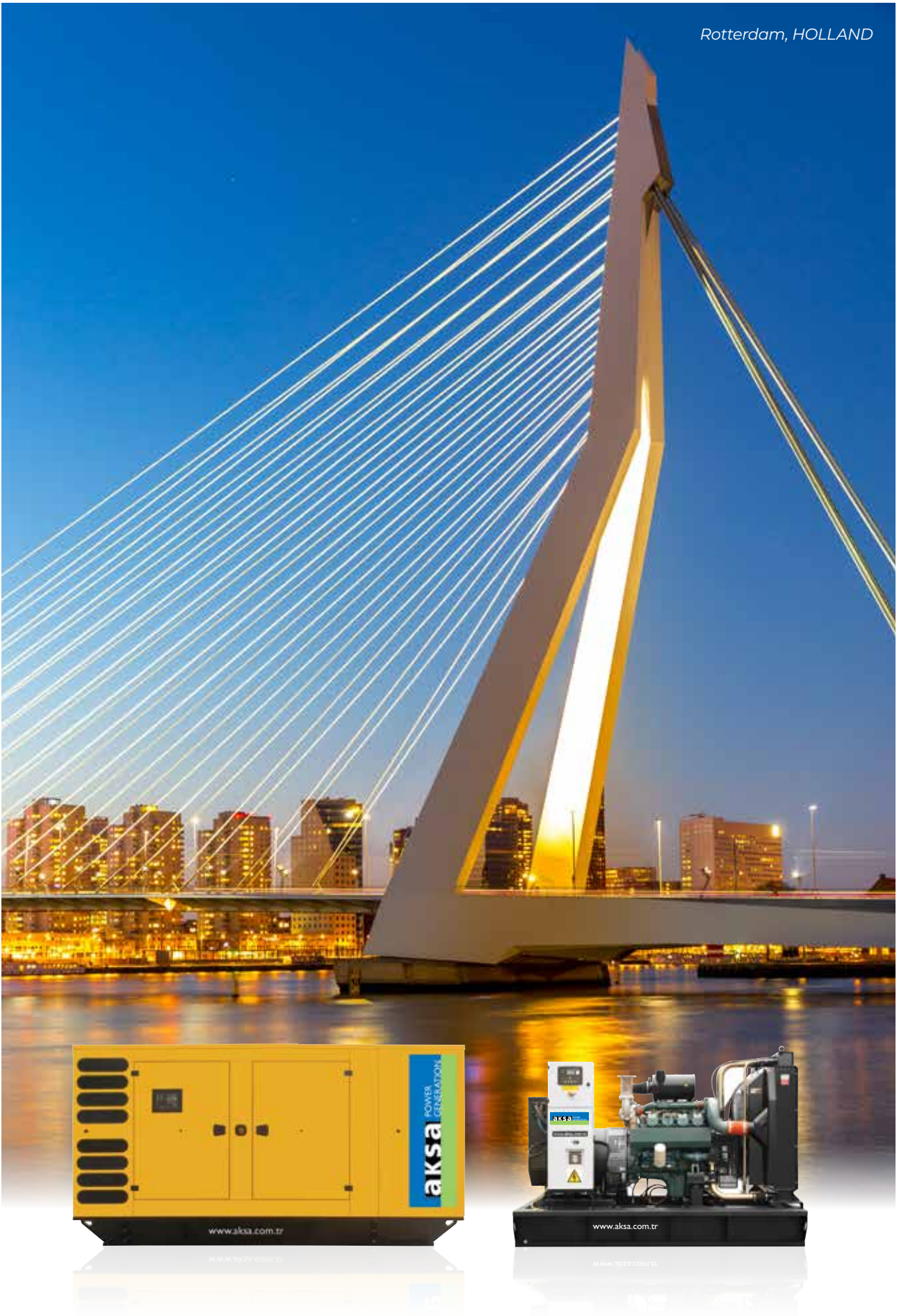
- PERKINS, 4 cycle, water cooled 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electrical governor
- Electric Starter & Charge alternator
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A / V mounting
- Fuel tank built in base frame between AP 450 - AP 715
- Flexible fuel connection hoses and lube - oil drain valve fitted
- 24 V D.C. battery set with cables and rack
- Industrial type silencer delivered loose
- Engine jacket water heater
- Manual for use and installation
- Modular silent canopies are available on the whole range

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|------|--------------|-------|----------------------|----------|------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosp 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | kg. | Auto | |
| AP 450 | 450 | 410 | 360 | 328 | 2206A-EI3TAG3 | I-6 | 12,5 | 130 | 157 | 62 | 850 | 3205x1550x2105 | 3260 | MS 80 | 4400 | P 732 |
| AP 500 | 500 | 455 | 400 | 364 | 2506A-EI5TAG1 | I-6 | 15,2 | 137 | 171 | 72 | 850 | 3248x1550x2103 | 3650 | MS 80 | 4880 | |
| AP 550 | 550 | 500 | 440 | 400 | 2506A-EI5TAG2 | I-6 | 15,2 | 137 | 171 | 76 | 850 | 3248x1550x2103 | 3880 | MS 80 | 4880 | |
| AP 660 | 660 | 600 | 528 | 480 | 2806A-EI8TAG1A | I-6 | 18,1 | 145 | 183 | 90 | 1150 | 3450x1800x2171 | 4250 | MS 86-AP660 | 5670 | |
| AP 715 | 715 | 650 | 572 | 520 | 2806A-EI8TAG2 | I-6 | 18,1 | 145 | 183 | 97 | 1150 | 3450x1800x2171 | 4850 | MS 86-AP660 | 5750 | |
| AP 825 | 825 | 750 | 660 | 600 | 4006-23TAG2A | I-6 | 22,9 | 160 | 190 | 122 | 1100 | 4100x1705x2270 | 5250 | AK 91 | 7300 | |
| AP 850 | 850 | 770 | 680 | 616 | 2806A-EI8TAG5 | I-6 | 18,1 | 145 | 183 | 118 | 1600 | 4200x2204x2437 | 5380 | MS 88 | 7350 | |
| AP 880 | 880 | 800 | 704 | 640 | 4006-23TAG3A | I-6 | 22,9 | 160 | 190 | 130 | 1100 | 4100x1705x2270 | 5500 | AK 91 | 7500 | |
| AP 900 | 900 | 805 | 720 | 644 | 4006-23TAG3A | I-6 | 22,9 | 160 | 190 | 130 | 1100 | 4100x1705x2270 | 6250 | AK 91 | 7650 | |
| AP 1000 | 1000 | 910 | 800 | 728 | 4008TAG1A | I-8 | 30,6 | 160 | 190 | 143 | 1500 | 4786x1973x2205 | 6670 | AK 96-API125 | 10200 | |
| AP 1125 | 1125 | 1023 | 900 | 818,4 | 4008TAG2A | I-8 | 30,6 | 160 | 190 | 162 | 1500 | 4786x1972x2205 | 6920 | AK 96-API125 | 10350 | |
| AP 1250 | 1250 | 1125 | 1000 | 900 | 4008-30TAG3 | I-8 | 30,6 | 160 | 190 | 188 | 1500 | 4646x2130x2007 | 7000 | AK 96-API250 | 11200 | |
| AP 1400 | 1400 | 1265 | 1120 | 1012 | 4012-46TWG2A | 12V | 45,5 | 160 | 190 | 196 | 1900 | 4905x1914x2392 | 8865 | AK 96-API400 | 11200 | |
| AP 1650 | 1650 | 1500 | 1320 | 1200 | 4012-46TAG2A | 12V | 45,8 | 160 | 190 | 236 | 1900 | 4920x2151x2438 | 10200 | AK 98 | 14300 | |
| AP 1875 | 1875 | 1705 | 1500 | 1364 | 4012-46TAG3A | 12V | 45,8 | 160 | 190 | 272 | 2200 | 5816x2220x2787 | 10400 | AK 99 | 17500 | |
| AP 2000 | 2000 | 1850 | 1600 | 1480 | 4016-61TRG1 | 16V | 61,1 | 160 | 190 | 300 | 2200 | 5901x2417x3018 | 13550 | AK 99 | 17550 | |
| AP 2250 | 2250 | 2000 | 1800 | 1600 | 4016-61TRG2 | 16V | 61,1 | 160 | 190 | 312 | 2200 | 5901x2417x3020 | 13550 | AK 99 | 17550 | |
| AP 2500 | 2500 | 2250 | 2000 | 1800 | 4016-61TRG3 | 16V | 61,1 | 160 | 190 | 349 | 2200 | 5901x2417x3020 | 14000 | AK 99 | 18000 | |

(1) Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source ESP is in accordance with ISO 8528. Overload is not allowed.
 (2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period
 (3) Fuel consumption according to Standby.
 * ISO 8528: Ratings are given for 25 °C ambient temperature, Altitude: 100 m. above sea level. Derating, please contact us or refer to data sheet.
 Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

Rotterdam, HOLLAND





Diesel Generator Sets

Standby & Prime

185 - 1015 kVA

Standart Open Set Specifications

- HYUNDAI 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A / V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 24 V D.C. battery set with cables and rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|-----|--------------|-------|----------------------|----------|-------|------|--------|----------------------|---------------|--------------------|---------------------|--------------|-----------------------|-------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model | |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | kg. | Auto | | |
| AD 185 | 185 | 168 | 148 | 134,4 | P086TI-1 | I-6 | 8,07 | 111 | 139 | 26,7 | 380 | 2425x1150x1847 | 1750 | AK 50 TRP | 2050 | P 732 | |
| AD 220 | 220 | 200 | 176 | 160 | P086TI | I-6 | 8,07 | 111 | 139 | 31,7 | 380 | 2425x1150x1847 | 1830 | AK 50 TRP | 2205 | | |
| AD 275 | 275 | 250 | 220 | 200 | PI26TI | I-6 | 11,05 | 123 | 155 | 43,6 | 470 | 2750x1300x1785 | 2335 | MS 60 | 2985 | | |
| AD 330 | 330 | 300 | 264 | 240 | PI26TI-II | I-6 | 11,05 | 123 | 155 | 47 | 470 | 2868x1300x1787 | 2410 | MS 60 | 3100 | | |
| AD 410 | 410 | 370 | 328 | 296 | DP126LB | I-6 | 11,05 | 123 | 155 | 57,1 | 700 | 2965x1550x2079 | 3050 | MS 70 | 3920 | | |
| AD 490 | 485 | 425 | 388 | 340 | PI58LE | 8V | 14,62 | 128 | 142 | 65,1 | 700 | 2900x1550x2062 | 3170 | MS 70 TRP | 4190 | | |
| AD 510 | 510 | 460 | 408 | 368 | DP158LC | 8V | 14,62 | 128 | 142 | 72,9 | 700 | 2900x1550x2062 | 3190 | MS 70 TRP | 4140 | | |
| AD 580 | 580 | 525 | 464 | 420 | DP158LD | 8V | 14,62 | 128 | 142 | 83,4 | 700 | 3104x1550x3104 | 3390 | MS 70 TRP | 4240 | | |
| AD 630 | 630 | 575 | 504 | 460 | DP180LA | 10V | 18,27 | 128 | 142 | 94,2 | 850 | 3258x1550x1994 | 3720 | MS 80 TRP | 4835 | | |
| AD 710 | 710 | 640 | 568 | 512 | DP180LB | 10V | 18,27 | 128 | 142 | 103,8 | 850 | 3205x1550x2029 | 4000 | MS 80 TRP | 4940 | | |
| AD 750 | 740 | 675 | 592 | 540 | DP222LB | 12V | 21,93 | 128 | 142 | 109,2 | 1000 | 3470x1550x2262 | 4190 | MS 85 TRP | 5400 | | |
| AD 825 | 825 | 750 | 660 | 600 | DP222LC | 12V | 21,93 | 128 | 142 | 119,1 | 1000 | 3470x1550x2262 | 4320 | MS 85 TRP | 5535 | | |
| AD 900 | 900 | 810 | 720 | 648 | DP222CB | 12V | 21,93 | 128 | 142 | 145 | 1600 | - | - | MS 88 | - | | |
| AD 1015 | 1015 | 915 | 812 | 732 | DP222CC | 12V | 21,93 | 128 | 142 | 162 | 1600 | 4200x2204x2257 | 6500 | MS 88 | 7220 | | |

(1) Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source ESP is in accordance with ISO 8528. Overload is not allowed.

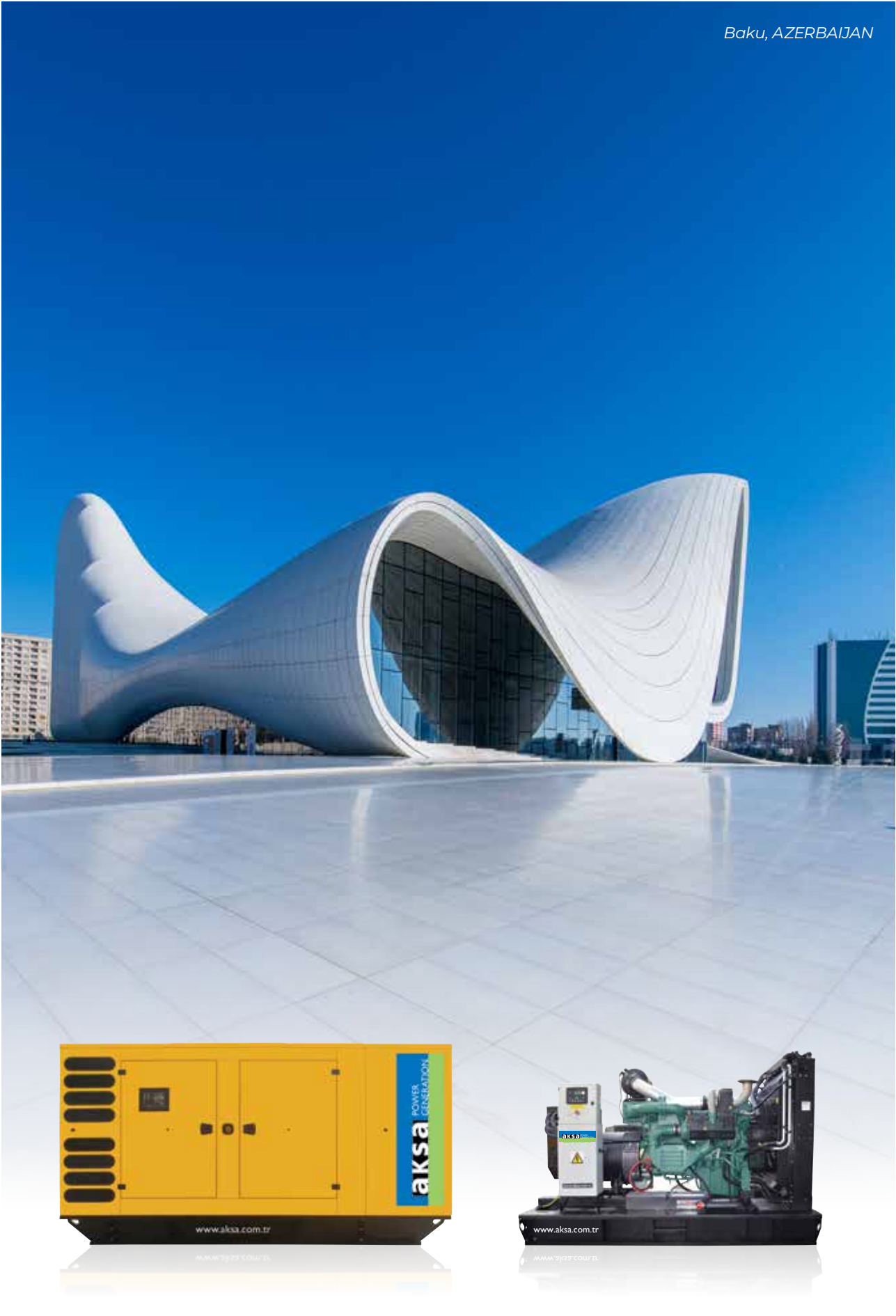
(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period

(3) Fuel consumption according to Standby.

* ISO 8528: Ratings are given for 25 °C ambient temperature. Altitude: 100 m. above sea level Derating, please contact us or refer to data sheet.

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

Baku, AZERBAIJAN





Diesel Generator Sets

Standby & Prime

350 - 770 kVA

Standart Open Set Specifications

- VOLVO 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A / V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 24 V D.C. battery set with cables and rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|-------|--------------|-------|----------------------|----------|-------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L x W x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L / h. | L. | mm. | kg. | | | |
| | Standby | Prime | Standby | Prime | | | | | | | | | kg. | Auto | | |
| AVP 350 | 350 | 320 | 280 | 256 | TAD1341GE | 6L | 12.78 | 131 | 158 | 48.1 | 700 | 2900x1550x1923 | 2940 | MS 70 | 3970 | P 732 |
| AVP 385 | 385 | 350 | 308 | 280 | TAD1342GE | 6L | 12.78 | 131 | 158 | 53.3 | 700 | 2900x1550x1923 | 2990 | MS 70 | 3980 | |
| AVP 415 | 415 | 380 | 332 | 304 | TAD1343GE | 6L | 12.78 | 131 | 158 | 57,05 | 700 | 2953x1550x1923 | 3190 | MS 70 | 4080 | |
| AVP 450 | 450 | 410 | 360 | 328 | TAD1344GE | 6L | 12.78 | 131 | 158 | 62.31 | 700 | 2934x1550x1923 | 3210 | MS 70 | 4240 | |
| AVP 505 | 505 | 455 | 404 | 364 | TAD1345GE | 6L | 12.78 | 131 | 158 | 68,13 | 700 | 2934x1550x1923 | 3240 | MS 70 | 4245 | |
| AVP 550 | 550 | 500 | 440 | 400 | TAD-1641GE-B | 6L | 16.12 | 144 | 165 | 78,21 | 850 | 3341x1550x2196 | 3240 | MS 80 | 4660 | |
| AVP 660 | 660 | 600 | 528 | 480 | TAD 1642GE-B | 6L | 16.12 | 144 | 165 | 88,4 | 850 | 3341x1550x2196 | 3250 | MS 80 | 4970 | |
| AVP 720 | 720 | 650 | 576 | 520 | TWD-1644GE | 6L | 16.12 | 144 | 165 | 106,53 | 1000 | 3537x1550x2253 | - | MS 85 | - | |
| AVP 770 | 770 | 700 | 616 | 560 | TWD-1645GE | 6L | 16,12 | 144t | 165 | 121,1 | 1000 | 3465x1550x2255 | 4550 | MS 85 | 5800 | |

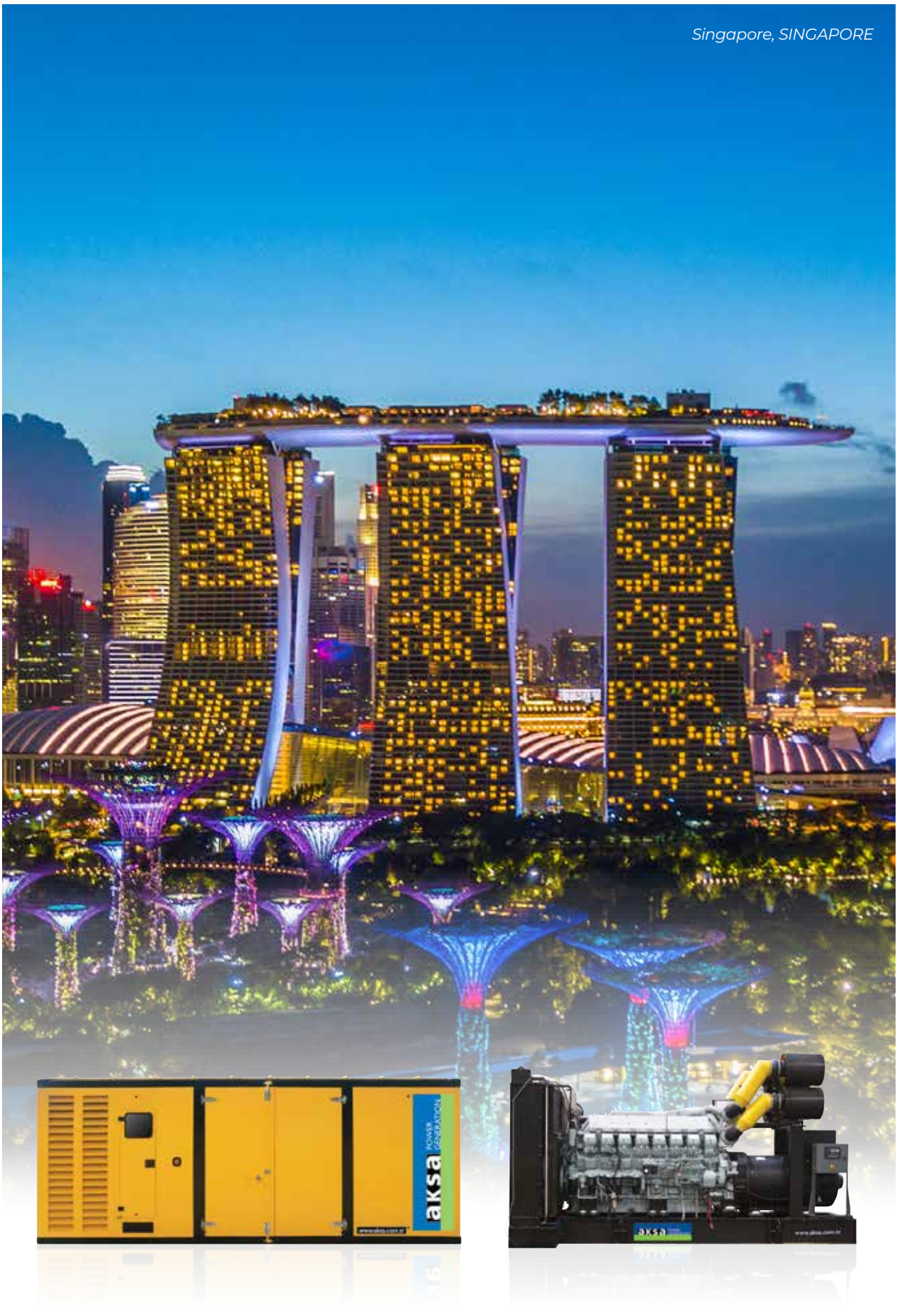
(1) Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source ESP is in accordance with ISO 8528. Overload is not allowed.

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(3) Fuel consumption according to Standby.

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Singapore, SINGAPORE





Diesel Generator Sets

Standby & Prime

1425 - 2750 kVA

Standart Open Set Specifications

- MITSUBISHI 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Electronic governor control
- Electric Starter & charge alternator (24 V D.C.)
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A/V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 24 V D.C. battery set with cables and rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Optional silent enclosure

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|------|--------------|------|----------------------|----------|-------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | | | |
| APD 1425 M | 1425 | 1290 | 1140 | 1032 | S12R-PTA | 12V | 49.03 | 170 | 180 | 204.7 | 2000 | 4390x2040x2217 | 9300 | AK 96 | 13580 | P 732 |
| APD 1650 M | 1650 | 1500 | 1320 | 1200 | S12R-PTAA2 | 12V | 49.03 | 170 | 180 | 234.2 | 2000 | 4970x2212x3022 | 11400 | AK 99 | 15450 | |
| APD 1915 M | 1915 | 1750 | 1532 | 1400 | S16R-PTA | 16V | 65.37 | 170 | 180 | 260.9 | 2000 | 5148x2245x2545 | 13850 | AK 99 | 17700 | |
| APD 2100 M | 2100 | 1875 | 1680 | 1500 | S16R-PTA2 | 16V | 65.37 | 170 | 180 | 305.1 | 2000 | 5223x2245x2608 | 13100 | AK 99 | 18350 | |
| APD 2250 M | 2250 | 2000 | 1800 | 1600 | S16R-PTAA2 | 16V | 65.37 | 170 | 180 | 313.1 | 2000 | 5700x2192x3390 | 14200 | AK 99 | 19000 | |
| APD 2500 M | 2500 | 2250 | 2000 | 1800 | S16R2-PTAW | 16V | 79.9 | 170 | 220 | 362 | 2000 | 6146x2380x3392 | 14700 | AK 100 | 21420 | |
| APD 2750 M | 2750 | 2500 | 2200 | 2000 | S16R2-PTAW2-E | 16V | 79.90 | 170 | 220 | 390 | 2000 | 6300x2410x3300 | 15000 | AK 100 | 21670 | |

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(3) Fuel consumption according to Standby.

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St. Louis, MISSOURI





Diesel Generator Sets

Standby & Prime

33 - 275 kVA

Standart Open Set Specifications

- JOHN DEERE 4 cycle, water cooled, 1500 rpm diesel engine
- Compact power units
- Engine mounted cooling radiator and fan
- Mechanical governor
- Electronic governor (AJD 275)
- Electric Starter & Charge alternator
- Normal duty, dry type air filter
- Single bearing alternator, IP23 enclosure, class H insulation
- Standard voltage 400 / 230 V A.C., 50 Hz
- Welded steel base frame with A / V mounting
- Fuel tank built in the base frame
- Flexible fuel connection hoses and lube-oil drain valve fitted
- 12 V D.C. battery with Cables and Rack
- Industrial silencer and steel bellows delivered loose
- Engine jacket water heater
- Manual for use and installation
- Modular silent canopies are available on the whole range

Three Phase Generating Sets General Specifications

| Genset Specifications | | | | | Engine Specification | | | | | | | Open Version Genset | | Canopy Version Genset | | Control Panel |
|------------------------------------|--------------|-----|--------------|------|----------------------|----------|------|------|--------|----------------------|---------------|---------------------|------------|-----------------------|------------|---------------|
| 50 Hz., 400 / 230V. ⁽¹⁾ | | | | | Engine Model | Cylinder | | | | Fuel (3) | | Dimension & Weight | | Canopy Model | Dry Weight | Model |
| Model Name | kVA Cosφ 0,8 | | kW ISO 8528* | | | Type | Dis. | Bore | Stroke | Consumption %75 Load | Tank Capacity | L. x W. x H. | Dry Weight | | | |
| | (1) | (2) | (1) | (2) | | No. | L. | mm. | mm. | L. / h. | L. | mm. | kg. | kg. | Auto | |
| AJD 33 | 33 | 30 | 26,4 | 24 | 3029DFG20 | I-3 | 2.9 | 106 | 110 | 4.7 | 70 | 1490x900x1212 | 735 | AK 20 | 915 | P 732 |
| AJD 44 | 44 | 40 | 35,2 | 32 | 3029TFG20-AIS | I-3 | 2.9 | 106 | 110 | 7.62 | 130 | 1789x950x1270 | - | AK 30 | 1080 | |
| AJD 66 | 66 | 60 | 52,8 | 48 | 3029HFG20 | I-3 | 2.9 | 106 | 110 | 10.79 | 130 | 1780x950x1336 | 850 | AK 30 | 1400 | |
| AJD 88 | 88 | 81 | 70,4 | 64,8 | 4045TFG20-AIS | I-4 | 4.5 | 106 | 127 | 15.13 | 240 | 2150x1050x1521 | 1180 | AK 40 | 1580 | |
| AJD 110 | 110 | 100 | 88 | 80 | 4045HFG20 (103kW) | I-4 | 4.5 | 106 | 127 | 17.82 | 240 | 2150x1050x1736 | 1220 | AK 40 | 1570 | |
| AJD 132 | 132 | 120 | 105,6 | 96 | 4045HFG20 (122kW) | I-6 | 4.5 | 106 | 127 | 21.6 | 340 | 2300x1080x1618 | - | AK 49 | 1870 | |
| AJD 170 | 170 | 155 | 136 | 124 | 6068HFG20 (157kW) | I-6 | 6.8 | 106 | 127 | 25.8 | 340 | 2303x1050x1846 | 1540 | AK 49 | 1960 | |
| AJD 200 | 200 | 180 | 160 | 144 | 6068HFG20 (184kW) | I-6 | 6.8 | 106 | 127 | 30.5 | 340 | 2320x1050x1847 | 1650 | AK 49 | 2050 | |
| AJD 220 | 220 | 200 | 176 | 160 | 6068HFG20 (202kW) | I-6 | 6.8 | 106 | 127 | 35.06 | 340 | 2300x1080x1838 | - | AK 49 | - | |
| AJD 275 | 275 | 250 | 220 | 200 | 6068HFG55 | I-6 | 6.8 | 106 | 127 | 40.22 | 470 | 2750x1300x1864 | 2055 | MS 60 | 2735 | |

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(2) Prime Power (PRP): Applicable for supplying power to varying electrical load for unlimited hours. 10% overload capability is available for a period

(3) Fuel consumption according to Standby.

* ISO 8528: Ratings are given for 25 °C ambient temperature. Altitude: 100 m. above sea level. Derating, please contact us or refer to data sheet. Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

Control Panels

| | Main Features | Panel Models* | |
|--|------------------------------------|---------------|----------------|
| | | P 732 | P 612 |
| Operation | Control with | DSE7320 MKII | DSE 6120 MKIII |
| | Modes: Stop/Auto/Manual/Test/Start | • | • |
| | LCD display Scroll push-button | • | • |
| | Eventlog push button | 250 | 100 |
| | Menu navigation buttons | • | • |
| | Transfer to mains button | • | • |
| | Transfer to generator button | • | • |
| Genset Instruments | Emergency stop push-button | • | • |
| | 3 Phase voltage UV, VW, WU | • | • |
| | Neutral NU, NV, NW | • | • |
| | 3 Phase current U, V, W | • | • |
| | Frequency | • | • |
| | Total kVA | • | • |
| | Total kW | • | • |
| | Power factor Cosφ | • | • |
| | kVAr | • | • |
| | kWh, kVAh, kVArh | • | • |
| | Phase sequence | • | x |
| Mains Instruments | Earth current | ◦ | x |
| | 3 Phase voltage L1L2, L2 L3, L3L1 | • | • |
| | Neutral NL1, NL2, NL3 | • | • |
| | Frequency | • | • |
| Engine Instruments | Oil pressure | • | • |
| | Coolant temperature | • | • |
| | Run time | • | • |
| | Speed in RPM | • | • |
| | Battery voltage | • | • |
| | Fuel Level | ◦ | ◦ |
| | Engine maintenance due | • | • |
| Engine Shut Down Protection | Low oil pressure | • | • |
| | High engine temperature | • | • |
| | Under / Over speed | • | • |
| | Low water level | • | ◦ |
| | Fail to start | • | • |
| | Stop failure | • | • |
| | Emergency stop | • | • |
| Engine Pre-alarms Warning | Oil pressure sensor open | • | • |
| | Charge fail | • | • |
| | Low oil pressure | • | • |
| | High engine temperature | • | • |
| | Low engine temperature | • | • |
| | Low/ High battery volts | • | • |
| Alternator Shut Down Protection | Under speed | • | • |
| | Low fuel level | ◦ | ◦ |
| | Under / Over volt | • | • |
| | Under / Over frequency | • | • |
| | Over current | • | • |
| | kW over load | • | • |
| | Unbalanced Load | • | x |
| | Negative phase sequence | • | x |
| | Earth fault | ◦ | x |
| Alternator Pre-alarms | Phase rotation | • | x |
| | Short circuit | ◦ | ◦ |
| | Under / Over volt | • | • |
| | Under / Over frequency | • | • |
| Mains Failure | kW over load | • | ◦ |
| | Negative phase sequence | • | x |
| | Under / Over volt | • | • |
| Auto | Under / Over frequency | • | • |
| | Out of limit | • | • |
| Miscellaneous | ATS change - over control | • | • |
| | Remote start | • | • |
| | Static battery charger | • | • |
| | Water preheating control | • | • |
| | Alarm buzzer | ◦ | x |
| | RS 232 communication | • | x |
| | RS 485 communication | • | x |



LED: Icon Display • Standard ◦ Optional x Not Available

* Tailor-made PLC design can be selected.

Sound Proof Canopies

| Canopy Model | Dimensions | | |
|---------------|------------|-----------|-------------|
| | Length mm. | Width mm. | Height mm. |
| AK 10 | 1850 | 910 | 1181 |
| AK 11 | 1955 | 910 | 1171 |
| AK 20 | 2100 | 960 | 1441 |
| AK 21 | 2096 | 1030 | 1290 |
| AK 30 | 2466 | 1010 | 1553 |
| AK 40 | 3100 | 1113 | 1811 |
| AK 49 | 3402 | 1147 | 2032 |
| AK 50 | 3402 | 1217 | 2032 |
| MS 60 | 3960 | 1356 | 2167 |
| MS 70 | 4460 | 1606 | 2547 |
| MS 80 | 4810 | 1606 | 2615 |
| MS 85 | 5297 | 1606 | 2656 |
| MS 86 | 5410 | 1864 | 2654 |
| MS88 - AD1015 | 5513 | 2260 | 2655 |
| AK 90 | 6500 | 2200 | 2353 |
| AK 91 | 5920 | 2200 | 2353/ 3328 |
| AK 96 | 7500 | 2300 | 2500 |
| AK 98 | 9000 | 2270 | 2500 / 3170 |
| AK 99 | 9000 | 2800 | 3300 / 4800 |
| AK 100 | 9633 | 2800 | 3300 / 4700 |



General Specifications of Silent Type Enclosure

AK 10 - 50 and MS 60 - 88 Models

- Modular design.
- Soundproofed canopy kit.
- Anti - corrosion powder coated phosphate priming.
- Colour black / yellow (RAL 9005 / RAL 1003).
- Insulated with acoustic foam lining.
- Two and four point lifting capability for full weight.
- Heat shield protection.
- Lockable doors with key.
- Protective mesh for rotating parts.
- Exterior emergency stop push button.
- Residential silencer inside canopy.
- Thermally insulated engine exhaust system.
- Doors on each side.
- Panel window.
- Access to radiator filling or cap.
- Oil drains and breather (sump) extended outside canopy
- On road trailer for soundproofed canopy is available.
- Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest.
- MS 80, 85, 88 lifting hooks should be removed during transportation for 40 Ft high cube container

AK90 to AK99 Models

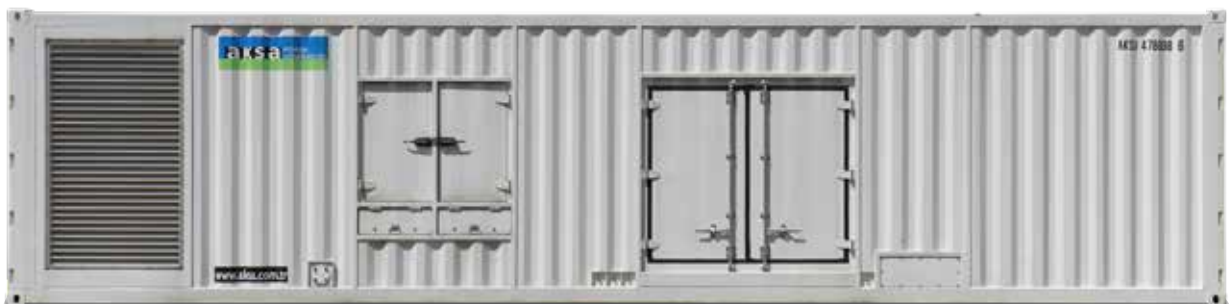
- Modular design.
- Require a concrete pad.
- Model AK 99 enclosure is drop over style.
- Body made from steel components treated with polyester powder coating.
- Acoustic fire retardant foam is covered inside the enclosure.
- Easy access to all service points and integrated ladder.
- The enclosure have four lifting points.
- Cooling fan and battery charging alternator guarded.
- Control panel viewing window in a lockable access door.
- Colour black / yellow (RAL 9005 / RAL 1003).
- Sump oil draining manual pump.
- Breather (sump) extended outside the enclosure.
- Enclosure floor is covered with chequered aluminium plates (AK90-AK98)

Containers

General Specifications of Silent Type Containers

- Four sizes are available: 20, 30, 40 feet High Cube containers.
- Sandwich mineral wool attenuation for wall and ceiling.
- Ribbed aluminium sheet internal floor.
- Large lockable doors.
- Acoustic baffles for the air inlet and outlet.
- Residential silencer with stainless steel flexible bellows.
- Ceiling mounted fluorescent light fittings.
- White paint finishing (RAL 9010).

| Enclosures Model | Length mm. | Width mm. | Height mm. | FUEL TANK L. |
|------------------|---------------|--------------|---------------|-----------------|
| SC20 | 6060 | 2440 | 2591 | - |
| SC30 | 9130 | 2440 | 2600 | - |
| SCH30 | 9130 | 2440 | 2800 | - |
| SC40 | 12200 | 2440 | 2600 | - |
| SCH40 | 12200 | 2440 | 2800 | - |



Branch Offices and Warehouses

| | | | |
|---|--|--|--|
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Factories

| | | | |
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|--|---|---|---|

Trade Centers

| | | | |
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