



ASTON
E L E C T R I C
THE WORLDS BEST GENERATOR





ASTON ELECTRIC |

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Prime Mobile Application

In a prime mobile application, the generator is the sole source of power but it will also be moved from site to site on a regular basis. Generators used for construction or rental are good examples of this. Once again, because this is a prime (running) application, fuel efficiency is the key to cost savings but because the generator will be routinely relocated, a robust build and canopy design is essential to the longevity of the machine.

How to choose a generator if you have a prime mobile application: Sizing and Engine selection are paramount to cost savings once again but the generators life will be shortened significantly if a heavy duty base and canopy is not selected.

Mine Spec Features

In a prime mobile application, the generator is the sole source of power but it will also be moved from site to site on a regular basis. Generators used for construction or rental are good examples of this. Once again, because this is a prime (running) application, fuel efficiency is the key to cost savings but because the generator will be routinely relocated, a robust build and canopy design is essential to the longevity of the machine.

How to choose a generator if you have a prime mobile application: Sizing and Engine selection are paramount to cost savings once again but the generators life will be shortened significantly if a heavy duty base and canopy is not selected.

Optional Add Ons

In a prime mobile application, the generator is the sole source of power but it will also be moved from site to site on a regular basis. Generators used for construction or rental are good examples of this. Once again, because this is a prime (running) application, fuel efficiency is the key to cost savings but because the generator will be routinely relocated, a robust build and canopy design is essential to the longevity of the machine.

How to choose a generator if you have a prime mobile application: Sizing and Engine selection are paramount to cost savings once again but the generators life will be shortened significantly if a heavy duty base and canopy is not selected.



| GENERATOR | | XL13-KU | XL 25-KU | XL 45-KU | XL 60-IS | XL 100-IS | XL 125-HI |
|-----------|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 | 50 | 50 | 50 |
| | Rated Output (kVA) | 10.5 | 20 | 37 | 50 | 80 | 100 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | | | | |
| | Power Factor (%) | 80 | 82 | 84 | 86 | 88 | 90 |
| | Class of rating | Continuous | Continuous | Continuous | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Kubota D1503DK3A | Kubota V2403DK3A | Kubota V3800D-DIDTDK2B | Isuzu BBD4BG1T | Isuzu DDD6BG1T | Hino J08CDUP |
|--------|------------------------------|------------------|------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | No. of Cylinder | 3 | 4 | 4 | 4 | 6 | 6 |
| | Type(4Cycle,Water-DCooled) | Swirl Chamber | Swirl Chamber | Direct Injection,Turbo charged | Direct Injection,Turbo charged | Direct Injection,Turbo charged | Direct Injection,Turbo charged |
| | Total Displacement | 1.499 | 2.434 | 3.769 | 4.329 | 6.494 | 7.961 |
| | Rated Output | 15.6(11.5) | 26(19.1) | 51.7(38.0) | 65.4(48.1) | 100(73.6) | 131(96.3) |
| | Speed | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 58 | 70 | 100 | 135 | 225 | 250 |
| | Fuel Consumption(50/75%Load) | 1.9/2.4 | 3.0/4.0 | 4.4/6.4 | 6.0/8.6 | 10.2/14.5 | 11.5/16.4 |
| | Lubricating Oil Capacity | 6.5 | 9.5 | 13.2 | 14 | 18 | 24.5 |
| | Cooling Water Capacity | 5.7 | 7.0 | 11 | 15 | 24 | 22 |
| | Battery(Capacity 5hrs) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 95D31R(64) | 95D31R(64) |

| GENERAL | Overall Length | 1,480 | 1,550 | 1,870 | 2,090 | 2,600 | 2,990 |
|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| | Overall Width | 650 | 700 | 860 | 860 | 1,000 | 1,180 |
| | Overall Height | 950 | 980 | 1,220 | 1,220 | 1,400 | 1,480 |
| | Net Dry Mass | 520 | 610 | 900 | 1,120 | 1,640 | 2,050 |
| | Operating Mass | 580 | 680 | 1,010 | 1,260 | 1,870 | 2,300 |
| | Sound power level in decibels | 83 | 90 | 87 | 90 | 91 | 92 |
| | Sound pressure level | 56 | 59 | 57 | 59 | 61 | 63 |



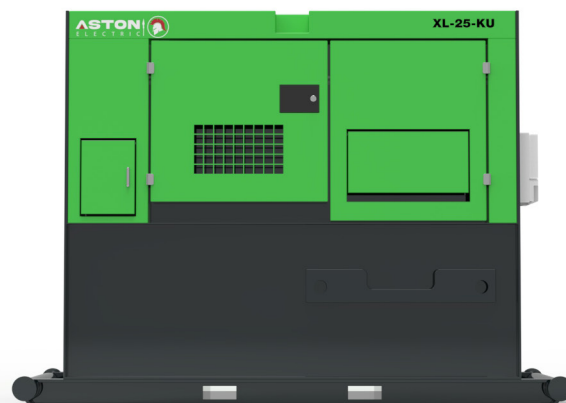


| GENERATOR | | XL 150-HI | XL 220-MU | XL 300-KO | XL 400-KO | XL 500-KO | XL 610-KO |
|-----------|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 | 50 | 50 | 50 |
| | Rated Output (kVA) | 10.5 | 20 | 37 | 50 | 80 | 100 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | | | | |
| | Power Factor (%) | 80 | 82 | 84 | 86 | 88 | 90 |
| | Class of rating | Continuous | Continuous | Continuous | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Kubota D1503DK3A | Kubota V2403DK3A | Kubota V3800D-DIDTDK2B | Isuzu BBD4BG1T | Isuzu DDD6BG1T | Hino J08CDUP |
|--------|------------------------------|------------------|------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | No. of Cylinder | 3 | 4 | 4 | 4 | 6 | 6 |
| | Type(4Cycle,Water-DCooled) | Swirl Chamber | Swirl Chamber | Direct Injection,Turbo charged | Direct Injection,Turbo charged | Direct Injection,Turbo charged | Direct Injection,Turbo charged |
| | Total Displacement | 1.499 | 2.434 | 3.769 | 4.329 | 6.494 | 7.961 |
| | Rated Output | 15.6(11.5) | 26(19.1) | 51.7(38.0) | 65.4(48.1) | 100(73.6) | 131(96.3) |
| | Speed | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 58 | 70 | 100 | 135 | 225 | 250 |
| | Fuel Consumption(50/75%Load) | 1.9/2.4 | 3.0/4.0 | 4.4/6.4 | 6.0/8.6 | 10.2/14.5 | 11.5/16.4 |
| | Lubricating Oil Capacity | 6.5 | 9.5 | 13.2 | 14 | 18 | 24.5 |
| | Cooling Water Capacity | 5.7 | 7.0 | 11 | 15 | 24 | 22 |
| | Battery(Capacity 5hrs) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 95D31R(64) | 95D31R(64) |

| GENERAL | Overall Length | 1,480 | 1,550 | 1,870 | 2,090 | 2,600 | 2,990 |
|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| | Overall Width | 650 | 700 | 860 | 860 | 1,000 | 1,180 |
| | Overall Height | 950 | 980 | 1,220 | 1,220 | 1,400 | 1,480 |
| | Net Dry Mass | 520 | 610 | 900 | 1,120 | 1,640 | 2,050 |
| | Operating Mass | 580 | 680 | 1,010 | 1,260 | 1,870 | 2,300 |
| | Sound power level in decibels | 83 | 90 | 87 | 90 | 91 | 92 |
| | Sound pressure level | 56 | 59 | 57 | 59 | 61 | 63 |

NOTORIOUS B.I.G TANKS

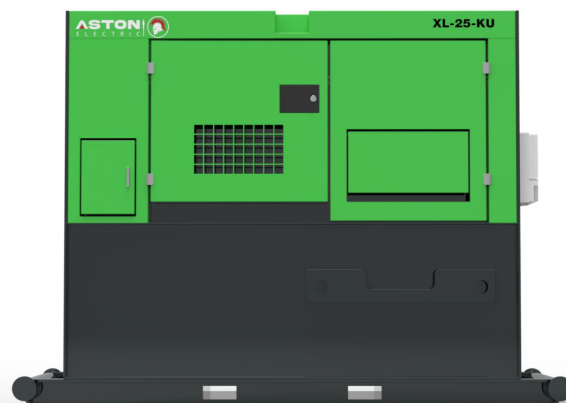


| GENERATOR | | XL 13-KU-BT | XL 25-KU-BT | XL 45-KU-BT | XL 60-IS-BT |
|-----------|--------------------|---|-------------------------|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 | 50 |
| | Rated Output (kVA) | 10.5 | 20 | 37 | 50 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | | |
| | Power Factor (%) | 102 | 104 | 106 | 108 |
| | Class of rating | Continuous | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Kubota D1503DK3A | Kubota V2403DK3A | Kubota V3800DDIDTDK2B | Isuzu BBD4BG1T |
|--------|------------------------------|------------------|------------------|--------------------------------|-----------------|
| | No. of Cylinder | 3 | 4 | 4 | 4 |
| | Type(4Cycle,WaterD-Cooled) | Swirl Chamber | | Direct Injection,Turbo charged | |
| | Total Displacement | 1.499 | 2.434 | 3.769 | 4.329 |
| | Rated Output | 15.6(11.5) | 26(19.1) | 51.7(38.0) | 65.4(48.1) |
| | Speed | 1,500 | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 95 | 145 | 325 | 400 |
| | Fuel Consumption(50/75%Load) | 1.8/2.4 | 3.0/4.0 | 4.6/6.4 | 6.0/8.6 |
| | Lubricating Oil Capacity | 6.5 | 9.5 | 13.2 | 14.0 |
| | Cooling Water Capacity | 5.7 | 7.0 | 11.0 | 15.0 |
| | Battery(Capacity 5hrs) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 80D26R(55) |

| GENERAL | Overall Length | 1,480 | 1,550 | 1,870 | 2,050 |
|---------|-------------------------------|-------|-------|-------|-------|
| | Overall Width | 650 | 700 | 860 | 860 |
| | Overall Height | 1,160 | 1,240 | 1,590 | 1,630 |
| | Net Dry Mass | 560 | 685 | 1,050 | 1,290 |
| | Operating Mass | 670 | 820 | 1,340 | 1,650 |
| | Sound power level in decibels | 83 | 88 | 85 | 89 |
| | Sound pressure level | 55 | 59 | 56 | 59 |

NOTORIOUS B.I.G TANKS



| GENERATOR | | XL 100-IS-BT | XL 125-IS-BT | XL 150-IS-BT | XL 220-MU-BT |
|-----------|--------------------|---|-------------------------|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 | 50 |
| | Rated Output (kVA) | 80 | 100 | 125 | 200 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | | |
| | Power Factor (%) | 110 | 112 | 114 | 116 |
| | Class of rating | Continuous | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Isuzu BID4HK1X | Isuzu BID4HK1X | Isuzu BID6HK1X | Mitsubishi 6D24DTLE2B |
|--------|------------------------------|--|-----------------|-----------------|-----------------------|
| | No. of Cylinder | 4 | 4 | 6 | 6 |
| | Type(4Cycle,WaterD-Cooled) | Direct Injection,Turbo charged,Intercooled | | | |
| | Total Displacement | 5.193 | 5.193 | 7.79 | 11.94 |
| | Rated Output | 131(96.3) | 131(96.3) | 162(119) | 246(181) |
| | Speed | 1,500 | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 740 | 740 | 815 | 980 |
| | Fuel Consumption(50/75%Load) | 8.9/13.2 | 11/16 | 14.9/22.2 | 22.5/31.8 |
| | Lubricating Oil Capacity | 20.5 | 20.5 | 38 | 37 |
| | Cooling Water Capacity | 21.5 | 21.5 | 28.3 | 29.2 |
| | Battery(Capacity 5hrs) | 170F51(120) | 170F51(120) | 95D31R(64) | 170F51(120) 2 |

| GENERAL | Overall Length | 2,450 | 2,450 | 3,190 | 3,550 |
|---------|-------------------------------|-------|-------|-------|-------|
| | Overall Width | 1,180 | 1,180 | 1,180 | 1,300 |
| | Overall Height | 1,830 | 1,830 | 1,880 | 2,150 |
| | Net Dry Mass | 2,095 | 2,145 | 2,725 | 3,665 |
| | Operating Mass | 2,750 | 2,800 | 3,460 | 4,550 |
| | Sound power level in decibels | 91 | 92 | 95 | 96 |
| | Sound pressure level | 60 | 60 | 64 | 66 |



WHISPER SERIES



| GENERATOR | | WH 25-IS | WH 45-KU | WH 60-IS | WH 100-IS | WH 150-HI |
|-----------|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 | 50 | 50 |
| | Rated Output (kVA) | 20 | 37 | 50 | 80 | 125 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | | | |
| | Power Factor (%) | 124 | 126 | 128 | 130 | 132 |
| | Class of rating | Continuous | Continuous | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Isuzu AA,4LE1 | Kubota V3800,DI,T,K2B | Isuzu BB,4BG1T | Isuzu DD,6BG1T | Hino J08C,UD |
|--------|------------------------------|-----------------|--------------------------------|--------------------------------|--------------------------------|---|
| | No. of Cylinder | 4 | 4 | 4 | 6 | 6 |
| | Type(4Cycle,WaterD-Cooled) | Swirl Chamber | Direct Injection,Turbo charged | Direct Injection,Turbo charged | Direct Injection,Turbo charged | "Direct Injection, Turbo charged,Intercooled" |
| | Total Displacement | 2.179 | 3.769 | 4.329 | 6.494 | 7.961 |
| | Rated Output | 26(19.1) | 51.7(38.0) | 65(48.1) | 100(73.6) | 160(118) |
| | Speed | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 75 | 165 | 170 | 225 | 265 |
| | Fuel Consumption(50/75%Load) | 2.9/3.7 | 4.7/6.5 | 6.0/8.6 | 10.2/14.5 | 14.7/19.4 |
| | Lubricating Oil Capacity | 8 | 13.2 | 14 | 18 | 24.5 |
| | Cooling Water Capacity | 8.5 | 11 | 15 | 24 | 22 |
| | Battery(Capacity 5hrs) | 80D26R(55) | 80D26R(55) | 80D26R(55) | 95D31R(64) | 95D31R(64) |

| GENERAL | Overall Length | 1,570 | 1,995 | 2,090 | 2,700 | 3,200 |
|---------|-------------------------------|-------|-------|-------|-------|-------|
| | Overall Width | 800 | 950 | 950 | 1,140 | 1,200 |
| | Overall Height | 1,050 | 1,300 | 1,300 | 1,500 | 1,630 |
| | Net Dry Mass | 690 | 1,060 | 1,280 | 1,870 | 2,590 |
| | Operating Mass | 765 | 1,215 | 1,440 | 2,100 | 2,850 |
| | Sound power level in decibels | 81 | 82 | 83 | 84 | 88 |
| | Sound pressure level | 51 | 51 | 55 | 54 | 55 |



WHISPER SERIES BIG TANK



| GENERATOR | | WH 25-KU-BT | WH 45-KU-BT | WH 60-IS-BT |
|-----------|--------------------|---|-------------------------|-------------------------|
| | Frequency (Hz) | 50 | 50 | 50 |
| | Rated Output (kVA) | 20 | 37 | 50 |
| | Voltage (V) | 50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage) | | |
| | Power Factor (%) | 118 | 120 | 122 |
| | Class of rating | Continuous | Continuous | Continuous |
| | Exciting Method | Brushless (with A.V.R.) | Brushless (with A.V.R.) | Brushless (with A.V.R.) |
| | No. of Phase | 3DPhase , 4DWire | 3DPhase , 4DWire | 3DPhase , 4DWire |

| ENGINE | Make and Model | Kubota V2403DK3A | Kubota V3800DDIDTDK2B | Isuzu BBD4BG1T |
|--------|------------------------------|------------------|--------------------------------|-----------------|
| | No. of Cylinder | 4 | 4 | 4 |
| | Type(4Cycle,WaterDCooled) | Swirl Chamber | Direct Injection,Turbo charged | |
| | Total Displacement | 2.434 | 3.769 | 4.329 |
| | Rated Output | 26(19.1) | 51.7(38.0) | 65.4(48.1) |
| | Speed | 1,500 | 1,500 | 1,500 |
| | Fuel | Diesel Fuel Oil | Diesel Fuel Oil | Diesel Fuel Oil |
| | Fuel Tank Capacity | 195 | 325 | 400 |
| | Fuel Consumption(50/75%Load) | 3.0/4.0 | 4.6/6.4 | 6.0/8.6 |
| | Lubricating Oil Capacity | 9.5 | 13.2 | 14.0 |
| | Cooling Water Capacity | 9.0 | 11.0 | 15.0 |
| | Battery(Capacity 5hrs) | 80D26R(55) 1 | 80D26R(55) 1 | 80D26R(55) 1 |

| GENERAL | Overall Length | 1,570 | 1,870 | 2,080 |
|---------|-------------------------------|-------|-------|-------|
| | Overall Width | 800 | 860 | 1,000 |
| | Overall Height | 1,380 | 1,590 | 1,640 |
| | Net Dry Mass | 800 | 1,050 | 1,370 |
| | Operating Mass | 950 | 1,340 | 1,725 |
| | Sound power level in decibels | 82 | 85 | 83 |
| | Sound pressure level | 51 | 56 | 54 |