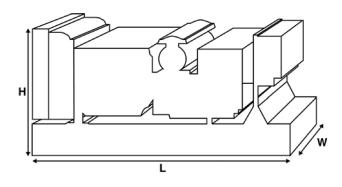


| Output Ratings     |                    |          |          |  |  |
|--------------------|--------------------|----------|----------|--|--|
| Voltage, Frequency |                    | Prime    | Standby  |  |  |
| 400/230V, 50 Hz    | kVA<br>kW          | 11<br>11 | 12<br>12 |  |  |
| 480/277V, 60 Hz    | 180/277V, 60 Hz kW |          |          |  |  |

Ratings at 1 power factor.

Please refer to the output ratings technical data section for specific generator set outputs per voltage.





| Dimensions and Weights |    |            |  |  |  |
|------------------------|----|------------|--|--|--|
| Length                 | mm | 1550 (61)  |  |  |  |
| Width                  | mm | 620 (24.4) |  |  |  |
| Height                 | mm | 929 (36.6) |  |  |  |
| Weight (Dry)           | kg | 304 (670)  |  |  |  |
| Weight (Wet)           | kg | 310 (683)  |  |  |  |

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034, BS5000 and NEMA MG-1.22. Generator set pictured may include optional accessories.

#### **Prime Rating**

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

#### **Standby Rating**

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

#### **Standard Reference Conditions**

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

FG Wilson offer a range of optional features to allow you to tailor our generator sets to meet your power needs. Options available include:

- Upgrade to CE Certification
- A wide range of Sound Attenuated Enclosures
- A variety of generator set control and synchronising panels
- Additional alarms and shutdowns
- A selection of exhaust silencer noise levels

For further information on all of the standard and optional features accompanying this product please contact your local Dealer or visit:

#### www.fgwilson.com



| Fingine Made     Perkin       Engine Model:     403A-15C2       Atternator Make     Leroy Somer       Atternator Make     Leroy Somer       Atternator Make     Leroy Somer       Control Panel:     DSE4520       Base Fame:     Beave Model       Circuit Breaker Type:     Soll Z       Engine Speed: RPM     rpm       Engine Speed: RPM     rpm       Engine Speed: RPM     rpm       Fuel Consumption Finandary     Itres (US ga)       Fuel Consumption Standary     Itres (US ga)       Eucl Consumption Standary     Itres (US ga)       Adgment     Soll Z       Fuel Consumption Standary     Itres (US ga)       Adgment     Soll Z       Sold Sylinders     S       Sold Sylinders     S       Stroke     mm (in)       Stroke     mm (in)       Sold Sylinders     NaTURALLY ASPRATED       Cooling Method     VaTTR       Cooling Type     Kel 60400       Cooling Type     Sol 64000       Cooling Type     Sol 64000       Consing Type     Naturation       Sold Sylinders     Sol 64000       Cooling Type     Naturation       Sold Sylinders     Sol 64000       Cooling Type     Sold 64000   | Ratings and Perfor   | mance Data         |                             |             |  |
|---|--|--------------------|-----------------------------|-------------|--|
| Jerrator MadeLeray Some"Alternator MadeLB1114FControl Panel:DSE4520Base Frame:1Circuit foraker Type:3 Pola MCBFrequency:1Frequency: </td <td>Engine Make</td> <td></td> <td>Perkins</td> <td></td>   | Engine Make  |                    | Perkins                     |             |  |
| Atternator Model:LLB1114FControl Panel:DSF4520Base Frame:GCircuit Breaker Type:3 Pole MCBFrequency:rpmFrequency:rpmItres (US gal)GFuel Consumption PirmeItres (US gal)Fuel Consumption Standy:Itres (US gal)Fuel Consumption Standy:StandyFuel Consumption Standy:Itres (US gal)Fuel Consumption Standy:StandyFuel Consumption Standy:StandyFuel Consumption Standy:Note (US gal)Fuel Consumption Standy:StandyStandy:Standy  | Engine Model:  |                    | 403A-15G2                   |             |  |
| Control Panel:  | Alternator Make  |                    | Leroy Somer                 |             |  |
| Base Frame. I easy Duty Fabricated Steel I e | Alternator Model:  |                    | LLB1114F                    |             |  |
| Circuit Breaker Type:     SPICE     SPICE       Frequency:     rpm     500 HZ     60 HZ       Engine Speed: RPM     rpm     1500  | Control Panel:   |                    | DSE4520                     |             |  |
| Frequency         Forward         50 HZ         60 HZ           Engine Speed: RPM         rpm         1500         Image: Speed: RPM         Image:   | Base Frame:  |                    | Heavy Duty Fabricated Steel |             |  |
| Engine Speech RPM         rpm         1500           Fuel Tank Capacity:         Itres (US ga)         4 (1.1)           Fuel Consumption Prime         Itres (US ga)         4 (1.1)           Fuel Consumption Standov         Itres (US ga)         Itres (US ga)           Atignment         Itres (US ga)         Itres (US ga)           Stooko         mm (n)         8 (13.3)         Itres (US ga)           Stooko         mm (n)         90 (3.5)         Itres (US ga)           Googning Method         VTER         MECHANICAL         Itres (US ga)           Googning Type         Itres (US n) <sup>1</sup> Itres (US n) <sup>2</sup> Itres (US n) <sup>2</sup> Stooko         Itres (US n) <sup>2</sup> Itres (US n) <sup>2</sup> Itres (US n) <sup>2</sup> <td>Circuit Breaker Type:</td> <td></td> <td>3 Pole MCB</td> <td></td>   | Circuit Breaker Type:  |                    | 3 Pole MCB                  |             |  |
| Ligner Accepacity:         Jitres (US gal)         4(1.1)           Fuel Consumption Prime         Ittres (US gal)         4.5 (1.2)           Fuel Consumption Standby         Ittres (US gal)         4.5 (1.2)           Terpine Technical Standby           Terpine Technical Standby           Standby           Standby           No. of Cylinders           Standby           Standby <td c<="" td=""><td>Frequency:</td><td></td><td>50 HZ 60 HZ</td><td></td></td>   | <td>Frequency:</td> <td></td> <td>50 HZ 60 HZ</td> <td></td> | Frequency:         |                             | 50 HZ 60 HZ |  |
| Fuel Consumption Prime     Itree (US gal)     4 (1.1)       Fuel Consumption Standow     Itree (US gal)     4.5 (1.2)       Interestication of the standown of th   | Engine Speed: RPM  | rpm                | 1500                        |             |  |
| Rel Consumption Stand#y       Itres (US gal)       45 (1.2)         Engine Technical → tres       3         Alignment       3         Alignment       Nu UNE         Cycle       4 5 TROKE         Bore       mm (in)       84 (3.3)         Stroke       mm (in)       90 (3.5)         Induction       VATER         Cooling Method       VATER         Governing Type       VATER         Governing Type       VATER         Governing Type       So S   | Fuel Tank Capacity:  | litres (US gal)    |                             |             |  |
| Instruction       Jack Corg on the segment       Jack Corg on the segment         No. of Cylinders       3         Alignment       IN LINE         Cycle       4 STROKE         Bore       mm (n)       84 (3.3)         Stroke       mm (n)       90 (3.5)         Induction       90 (3.5)         Induction       NATURALLY ASPIRATED         Cooling Method       VATER         Governing Type       MECHANICAL         Governing Class       ISO 8528         Compression Ratio       22.5:1         Displacement       L (cu. in)       1.5 (91.3)         Moment of Inertia:       kg m² (lb/in²)       246 (8406)         Voltage       12       12         Ground       Image Segment       40         Engine Verlager Amps       40       197 (434)         Engine Weight Dry       kg (lb)       197 (434)         Engine Weight Met       kg (lb)       197 (434)         Engine Speed       rpm       1500         Group Segment Fried       KW (hp)       13.7 (18)         Group Segment Formerer       KW (hp)       15.1 (20)         BALEP Prime       KW (hp       734 (1065)  | Fuel Consumption Prime                                       | litres (US gal)    | 4 (1.1)                     |             |  |
| No. of Cylinders         3           Alignment         IN LINE           Cycle         4 STROKE           Bore         mm (n)         84 (3.3)           Stroke         mm (n)         90 (3.5)           Induction         VATER           Cooling Method         WATER           Governing Type         MECHANICAL           Governing Class         ISO 8528           Compression Ratio         22.5:1           Displacement         L (cu. in)         1.5 (91.3)           Moment of Inertia:         kg m² (b/in²)         2.46 (8406)           Voltage         12         Ground           Battery Charger Amps         40         197 (434)           Engine Veright Dry         kg (b)         215 (474)           SO Hz           Gover Strady           KW (hp)         13.7 (18)           Gross Engine Power Prime         KW (hp)         15.1 (20)           BMEP Prime         KPa (psi)         734 (106.5)   | Fuel Consumption Standb                                      | by litres (US gal) | 4.5 (1.2)                   |             |  |
| No. of Cylinders         3           Alignment         IN LINE           Cycle         4 STROKE           Bore         mm (n)         84 (3.3)           Stroke         mm (n)         90 (3.5)           Induction         VATER           Cooling Method         WATER           Governing Type         MECHANICAL           Governing Class         ISO 8528           Compression Ratio         22.5:1           Displacement         L (cu. in)         1.5 (91.3)           Moment of Inertia:         kg m² (b/in²)         2.46 (8406)           Voltage         12         Ground           Battery Charger Amps         40         197 (434)           Engine Veright Dry         kg (b)         215 (474)           SO Hz           Gover Strady           KW (hp)         13.7 (18)           Gross Engine Power Prime         KW (hp)         15.1 (20)           BMEP Prime         KPa (psi)         734 (106.5)   | Engine Technical D   | Data               |                             |             |  |
| Alignment       IN LINE         Cycle       4 STROKE         Bore       mm (m)       84 (3.3)         Stroke       mm (m)       90 (3.5)         Induction       90 (3.5)       Induction         Cooling Method       WATURALLY ASPIRATED         Cooling Method       WATER         Governing Type       VATER         Governing Class       ISO 8528         Compression Ratio       22.5:1         Displacement       L (cu.in)       1.5 (91.3)         Moment of Inertia:       kg m² (b/m²)       2.46 (8406)         Voltage       12       Incurrent (Current   |  |                    | 3                           |             |  |
| Cycle4 STROKEBoremm (n)84 (3.3)Strokemm (n)90 (3.5)InductionVATURALLY ASPIRATEDCooling MethodWATERGoverning TypeVATERGoverning TypeS0 8528Compression Ratio22.5:1DisplacementL (cu. in)L (cu. in)1.5 (91.3)Moment of Inertia:kg m² (b/ri²)Agrice12GroundVoltageBattery Charger Amps40Engine Weight Dvkg (b)Ngative197 (434)Engine Weight Metkg (b)Stroke50 <b>Hz60 Hz</b> Engine SpeedrpmGrouss Engine Power PriverKW (hp)Mice SpeedrpmStroke13.7 (18)Gross Engine Power StructKW (hp)MEP PrimeKg (ags)Keg AgriceS34 (106.5)  |  |                    | IN LINE                     |             |  |
| Boremm (in)84 (3.3)Strokemm (in)90 (3.5)InductionVATURALLY ASPIRATEDCooling MethodWATERGoverning TypeVATERGoverning ClassSO 8528Compression Ratio22.5.1DisplacementL (□. in)Moment of Inertia:kg m² (lb/in²)Quitage12GroundVerterBattery Charger Amps40Engine Weight Drykg (lb)Quitage197 (434)So Marka (Brower PrimeSo Marka (Brower PrimeSo Marka (Brower PrimeKW (hp)151 (20)BMEP PrimeKa (ps)KW (aps)To Marka (Brower PrimeKW (aps)So Marka (Brower PrimeKW (aps)So Marka (Brower PrimeKW (aps)To Marka (Brower PrimeKong (Brower PrimeKW (aps)To Marka (Brower PrimeKW (aps)To Marka (Brower PrimeKW (aps) <tr< td=""><td></td><td></td><td>4 STROKE</td><td></td></tr<>   |  |                    | 4 STROKE                    |             |  |
| Strokemmmm90 (3.5)InductionNATURALLY ASPIRATEDCooling MethodWATERGoverning Type✓Governing ClassSO 8528Compression Ratio2.2.5.1DisplacementL/JmMoment of Inertia:y'' (b/n')Voltage1.5 (91.3)GroundVVoltage12GroundVMethy Charger Armps40Engine Weight Drykg (bIngine Methy Methy197 (434)Son Methy Methy MethySon Methy MethySon Methy MethySon Methy MethySon Methy MethyKW (hp)Son Methy MethySon Methy <td co<="" td=""><td></td><td>mm (in)</td><td>84 (3.3)</td><td></td></td>   | <td></td> <td>mm (in)</td> <td>84 (3.3)</td> <td></td>       |                    | mm (in)                     | 84 (3.3)    |  |
| InductionNATURALLY ASPIRATEDCooling MethodWATERGoverning Type $\checkmark$ MECHANICALGoverning ClassSO 8528Compression Ratio $22.51$ Displacement $\lfloor \Box \sqcup$ Moment of Inertia: $\forall m^{\circ}$ (b/n²)Qitage12Ground $- \Box$ Sequence12Ground $- \Box$ Battery Charger Amps40Engine Weight Dry $k \Box$ kg $  \Box   \Box$ 197 (434)Engine Weight Met195 (474)Son HzSon HzGoolage SequencetoySon HzGoolage SequenceSon HzGoolage SequenceSon HzGoolage SequenceInpine SpeedrpmSon HzGoolage SequenceSon HzGoolage SequenceInpine Power PrimekW (hp)Inpine SpeedrpmSon HzGoolage SequenceSon HzGoolage SequenceInpine SpeedkW (hp)Inpine SpeedkW (hp)Son HzSon HzSon HzSon HzInpine SpeedkW  |  |                    | 90 (3.5)                    |             |  |
| Cooling MethodVMTERGoverning TypeMECHANICALGoverning ClassSO 8528Compression Ratio22.5:1DisplacementLMement of Inertia: $y^{-1}$ (b/in <sup>2</sup> )Voltage12Ground-Methy Charger AmpsA0Engine Weight Drykg I->More trium15 (474)So Maz <b>50 Hz60 Hz</b> Ingine Speedrpm1500Gross Engine Power PrimeKW (hp)MEP PrimeKP (spis)KR (psi)34 (106.5)   |  | x 7                | NATURALLY ASPIRATED         |             |  |
| Governing TypeMECHANICALGoverning ClassISO 8528Compression Ratio22.5:1DisplacementL ( $\sqcup$ in)1.5 (91.3)Moment of Inertia:kg m² (lb/in²)2.46 (8406)Voltage12GroundVoltage12GroundVoltage12Battery Charger Amps40Engine Weight Drykg ( $\sqcup$ )197 (434)Engine Weight Wetkg ( $\sqcup$ )215 (474)Fon Hz <b>50 Hz60 Hz</b> Engine SpeedrpmSon13.7 (18)Gross Engine Power FirmekW (hp)BMEP PrimekPa (psi)Yel (psi)734 (106.5)  |  |                    | WATER                       |             |  |
| Governing ClassISO 8528Compression Ratio22.5:1DisplacementLMoment of Inertia:kg $\mathbf{refl}$ Moment of Inertia:kg $\mathbf{refl}$ Voltage2.46 (8406)Voltage12Ground  |  |                    | MECHANICAL                  |             |  |
| Compression Ratio $22.51$ DisplacementL cu. in1.5 (91.3)Moment of Inertia:kg m² (lb/in²)2.46 (8406)Voltage1212Ground $ $  |  |                    | ISO 8528                    |             |  |
| DisplacementL (cu in)1.5 (91.3)Moment of Inertia:kg m² (lb/in²)2.46 (8406)Voltage12Ground   |  |                    | 22.5:1                      |             |  |
| Voltage12GroundIBattery Charger Amps40Engine Weight Drykg ∪197 (434)Engine Weight Wetkg ∪215 (474)Forgine Performation50 Hz60 HzEngine Speedrpm1500Gross Engine Power PrimekW (hp)13.7 (18)BMEP PrimekPa (psi)734 (106.5)   | Displacement   | L (cu. in)         | 1.5 (91.3)                  |             |  |
| NotageGroundNegativeBattery Charger Amps40Engine Weight Drykg (b)197 (434)Engine Weight Wetkg (b)215 (474)Engine Perform ► T50 Hz60 HzEngine Perform ► T50 HzEngine Speedrpm1500Gross Engine Power StartykW (hp)13.7 (18)Gross Engine Power StartykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)  | Moment of Inertia:   | kg m² (lb/in²)     | 2.46 (8406)                 |             |  |
| Battery Charger Amps40Engine Weight Drykg (b)197 (434)Engine Weight Wetkg (b)215 (474)Engine PerformativeFormativeFormativeFormativeSo Hz60 HzGoss Engine Power StatyKW (hp)13.7 (18)Gross Engine Power StatyKW (hp)BMEP PrimekPa (psi)   | Voltage  |                    | 12                          |             |  |
| Engine Weight Dry       kg (b)       197 (434)         Engine Weight Wet       kg (b)       215 (474) <b>Engine Performa 50 Hz 60 Hz</b> Engine Speed       rpm         Gross Engine Power Prime       kW (hp)         KW (hp)       13.7 (18)         Gross Engine Power Status       kW (hp)         BMEP Prime       kPa (psi)   | Ground   |                    | Negative                    |             |  |
| Engine Weight Wet     kg (k)     215 (474)       Engine Performance     50 Hz     60 Hz       Engine Speed     rpm     1500       Gross Engine Power Prime     kW (hp)     13.7 (18)       Gross Engine Power Standby     kW (hp)     15.1 (20)       BMEP Prime     kPa (psi)     734 (106.5)  | Battery Charger Amps   |                    | 40                          |             |  |
| Engine Weight Wetkg (lb)215 (474)Engine Performance Data50 Hz60 HzEngine Speedrpm1500Gross Engine Power PrimekW (hp)13.7 (18)Gross Engine Power StandbykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)   | Engine Weight Dry  | kg (lb)            | 197 (434)                   |             |  |
| Engine Speedrpm1500Gross Engine Power PrimekW (hp)13.7 (18)Gross Engine Power StandbykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)   | Engine Weight Wet  | kg (lb)            | 215 (474)                   |             |  |
| Engine Speedrpm1500Gross Engine Power PrimekW (hp)13.7 (18)Gross Engine Power StandbykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)   | Engine Performan   | ce Data            | 50 Hz 60 Hz                 |             |  |
| Gross Engine Power PrimekW (hp)13.7 (18)Gross Engine Power StandbykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)  |  |                    |                             |             |  |
| Gross Engine Power StandbykW (hp)15.1 (20)BMEP PrimekPa (psi)734 (106.5)  |  |                    |                             |             |  |
| BMEP Prime         kPa (psi)         734 (106.5)  |  |                    |                             |             |  |
|   | 0  |                    |                             |             |  |
|   | BMEP Standby   | kPa (psi)          |                             |             |  |



| Fuel System         |                  |            |                  |           |           |
|---------------------|------------------|------------|------------------|-----------|-----------|
| Fuel Filter Type:   |                  |            | Replaceable Eler | ment      |           |
| Recommended Fuel:   |                  |            | Class A2 Diesel  |           |           |
| Fuel Consumption at |                  | 110 % Load | 100 % Load       | 75 % Load | 50 % Load |
| 50 Hz Prime:        | l/hr (US gal/hr) | 4.5 (1.2)  | 4 (1.1)          | 2.9 (0.8) | 2.2 (0.6) |
| 50 Hz Standby       | l/hr (US gal/hr) | -          | 4.5 (1.2)        | 3.1 (0.8) | 2.3 (0.6) |
| 60 Hz Prime         | l/hr (US gal/hr) |            |                  |           |           |
| 60 Hz Standby       | l/hr (US gal/hr) | -          |                  |           |           |

(Based on diesel fuel with a specific gravity of 0.84 and conforming to BS2869, class A2

| Air System                                 |                | 50 Hz      | 60 Hz               |
|--|----------------|------------|---------------------|
| Air Filter Type:                           |                |            | Replaceable Element |
| Combustion Air Flow Prime                  | m³/min (cfm)   | 1 (35)     |                     |
| Combustion Air Flow Standby                | m³/min (cfm)   |            |                     |
| Max. Combustion Air Intake Restriction     | kPa            | 6.4 (25.7) |                     |
|  |                |            |                     |
| Cooling System                             |                | 50 Hz      | 60 Hz               |
| Cooling System Capacity                    | l (US gal)     | 6 (1.6)    |                     |
| Water Pump Type:                           |                |            | Centrifugal         |
| Heat Rejected to Water & Lube Oil: Prime   | kW (Btu/min)   | 13.1 (745) |                     |
| Heat Rejected to Water & Lube Oil: Standby | / kW (Btu/min) | 14.4 (819) |                     |
| Heat Radiation to Room*: Prime             | kW (Btu/min)   | 5.6 (318)  |                     |
| Heat Radiation to Room*: Standby           | kW (Btu/min)   | 6.1 (347)  |                     |
| Radiator Fan Load:                         | kW (hp)        | 0.2 (0.2)  |                     |
| Radiator Cooling Airflow:                  | m³/min (cfm)   | 33 (1165)  |                     |
| External Restriction to Cooling Airflow:   | Pa (in H2O)    | 125 (0.5)  |                     |

\*: Heat radiated from engine and alternator

Designed to operate in ambient conditions up to 50°C (122°F).

Contact your local FG Wilson Dealer for power ratings at specific site conditions.

| Lubrication System        | n          |              |            |        |               |  |
|---------------------------|------------|--------------|------------|--------|---------------|--|
| Oil Filter Type:          |            |              |            | Spin-  | on, Full flow |  |
| Total Oil Capacity:       | l (US gal) |              |            | 6 (1.6 | )             |  |
| Oil Pan Capacity:         | l (US gal) |              |            | 4.5 (1 | .2)           |  |
| Oil Type:                 |            |              |            | API C  | H4 15W-40     |  |
| Oil Cooling Method:       |            |              |            | N/A    |               |  |
|                           |            |              |            |        |               |  |
| Exhaust System            |            |              | 50 Hz      |        | 60 Hz         |  |
| Maximum Allowable Back    | Pressure:  | kPa (in Hg)  | 10.2 (3)   |        |               |  |
| Exhaust Gas Flow: Prime   |            | m³/min (cfm) | 2.2 (78)   |        |               |  |
| Exhaust Gas Flow: Standby | /          | m³/min (cfm) |            |        |               |  |
| Exhaust Gas Temperature:  | Prime      | °C (°F)      | 470 (878)  |        |               |  |
| Exhaust Gas Temperature:  | Standby    | °C (°F)      | 580 (1076) |        |               |  |



0

| <b>Alternator Physical</b>  | Data  |              |                                  |                                  |                                  |   |
|---|---|--------------|----------------------------------|----------------------------------|----------------------------------|---|
| No. of Bearings:  |   |              |                                  |                                  | 1                                |   |
| Insulation Class:   |   |              |                                  |                                  | Н                                |   |
| Winding Pitch:  |   |              |                                  |                                  | 2/3                              |   |
| Winding Code  |   |              |                                  |                                  | Μ                                |   |
| Wires:  |   |              |                                  |                                  | 4                                |   |
| Ingress Protection Rating:  |   |              |                                  |                                  | IP23                             |   |
| Excitation System:  |   |              |                                  |                                  | SHUNT                            |   |
| AVR Model:  |   |              |                                  |                                  | R220                             |   |
| Alternator Operatir   | ng Data                                       |              |                                  |                                  |                                  |   |
| Overspeed: rpm  | ig Dutt                                       | ·            |                                  |                                  | 2250                             |   |
| Voltage Regulation: (Steady   | state)  |              |                                  |                                  | +/- 1.0                          |   |
| Wave Form NEMA = TIF:   |   |              |                                  |                                  | 100                              |   |
| Wave Form IEC = THF:  |   |              |                                  |                                  | 3                                |   |
| Total Harmonic content LL/I   | LN:   |              |                                  |                                  | 5                                |   |
| Radio Interference:   |   |              |                                  |                                  | EN61000-6                        |   |
| Radiant Heat: 50 Hz   |   | kW (Btu/min) | 2.2 (125)                        |                                  |                                  |   |
| Radiant Heat: 60 Hz   |   | kW (Btu/min) |                                  |                                  |                                  |   |
|   |   |              |                                  |                                  |                                  |   |
| Alternator Performation   | ance D  | ata 50 Hz:   | 240 V                            | 230 V                            | 220 V                            |   |
| Voltage Code  |   | ata 50 Hz:   |                                  | 230 V<br>22                      |                                  |   |
| Voltage Code<br>Motor Starting Capability*  | kva   | ata 50 Hz:   | 240 V<br>24<br>0                 |                                  | 220 V<br>21<br>0                 | 0 |
| Voltage Code  | kVA   | ata 50 Hz:   | 24                               | 22                               | 21                               | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity  | kVA<br>%                                      | ata 50 Hz:   | 24<br>0                          | 22<br>0                          | 21<br>0                          | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity  | kVA<br>%<br>Xd                                | ata 50 Hz:   | 24<br>0<br>1.55                  | 22<br>0<br>1.68                  | 21<br>0<br>1.84                  | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity<br>Reactances<br>Alternator Performa   | kVA<br>%<br>Xd<br>X'd<br>X'd                  |              | 24<br>0<br>1.55<br>0.27          | 22<br>0<br>1.68<br>0.29          | 21<br>0<br>1.84<br>0.32          | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity<br>Reactances  | kVA<br>%<br>Xd<br>X'd<br>X'd                  |              | 24<br>0<br>1.55<br>0.27          | 22<br>0<br>1.68<br>0.29          | 21<br>0<br>1.84<br>0.32          | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity<br>Reactances<br>Alternator Performa   | kVA<br>%<br>Xd<br>X'd<br>X'd<br><b>ance D</b> | ata 60 Hz    | 24<br>0<br>1.55<br>0.27          | 22<br>0<br>1.68<br>0.29          | 21<br>0<br>1.84<br>0.32          | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity<br>Reactances<br>Alternator Performa<br>Voltage Code                               | kVA<br>%<br>Xd<br>X'd<br>X'd<br><b>ance D</b> |              | 24<br>0<br>1.55<br>0.27<br>0.146 | 22<br>0<br>1.68<br>0.29<br>0.146 | 21<br>0<br>1.84<br>0.32<br>0.159 | 0 |
| Voltage Code<br>Motor Starting Capability*<br>Short Circuit Capacity<br>Reactances<br>Alternator Performa<br>Voltage Code<br>Motor Starting Capability* | kVA<br>%<br>Xd<br>X'd<br>X'd<br><b>ance D</b> | ata 60 Hz    | 24<br>0<br>1.55<br>0.27<br>0.146 | 22<br>0<br>1.68<br>0.29<br>0.146 | 21<br>0<br>1.84<br>0.32<br>0.159 |   |

0

0

Reactances shown are applicable to prime ratings.

X″d

\*Based on 30% voltage dip at 0.9 power factor.



| Output Ratings 50 Hz |     |       |     |         |  |
|----------------------|-----|-------|-----|---------|--|
|                      |     | Prime |     | Standby |  |
| Voltage Code         | kVA | kW    | kVA | kW      |  |
| 415/240V             |     |       |     |         |  |
| 400/230V             |     |       |     |         |  |
| 380/220V             |     |       |     |         |  |
| 230/115V             |     |       |     |         |  |
| 220/127V             |     |       |     |         |  |
| 220/110V             |     |       |     |         |  |
| 200/115V             |     |       |     |         |  |
| 240V                 | 11  | 11    | 12  | 12      |  |
| 230V                 | 11  | 11    | 12  | 12      |  |
| 220V                 | 11  | 11    | 12  | 12      |  |

### Output Ratings 60 Hz

|              |     | Prime |     | Standby |  |
|--------------|-----|-------|-----|---------|--|
| Voltage Code | kVA | kW    | kVA | kW      |  |
| 480/277V     |     |       |     |         |  |
| 440/254V     |     |       |     |         |  |
| 416/240V     |     |       |     |         |  |
| 400/230V     |     |       |     |         |  |
| 380/220V     |     |       |     |         |  |
| 240/139V     |     |       |     |         |  |
| 240/120V     |     |       |     |         |  |
| 230/115V     |     |       |     |         |  |
| 220/127V     |     |       |     |         |  |
| 220/110V     |     |       |     |         |  |
| 208/120V     |     |       |     |         |  |
| 240/120      |     |       |     |         |  |
| 220/110      |     |       |     |         |  |







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### Documentation

Operation and maintenance manual including circuit wiring diagrams.

### **Generator Set Standards**

The equipment meets the following standards: BS5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG-1.22.

### Warranty

6.8 – 750 kVA electric power generation products in prime applications the warranty period is 12 months from date of start-up, unlimited hours (8760). For standby applications the warranty period is 24 months from date of start-up, limited to 500 hours per year.

730 – 2500 kVA electric power generation products in prime applications the warranty period is 12 months from date of start-up, unlimited hours (8760 hours) or 24 months from date of start-up, limited to 6000 hours. For standby applications the warranty period is 36 months from date of start-up, limited to 500 hours per year.

FG Wilson manufactures product in the following locations: Northern Ireland • Brazil • China • India With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at www.fgwilson.com.

FG Wilson is a trading name of Caterpillar (NI) Limited.