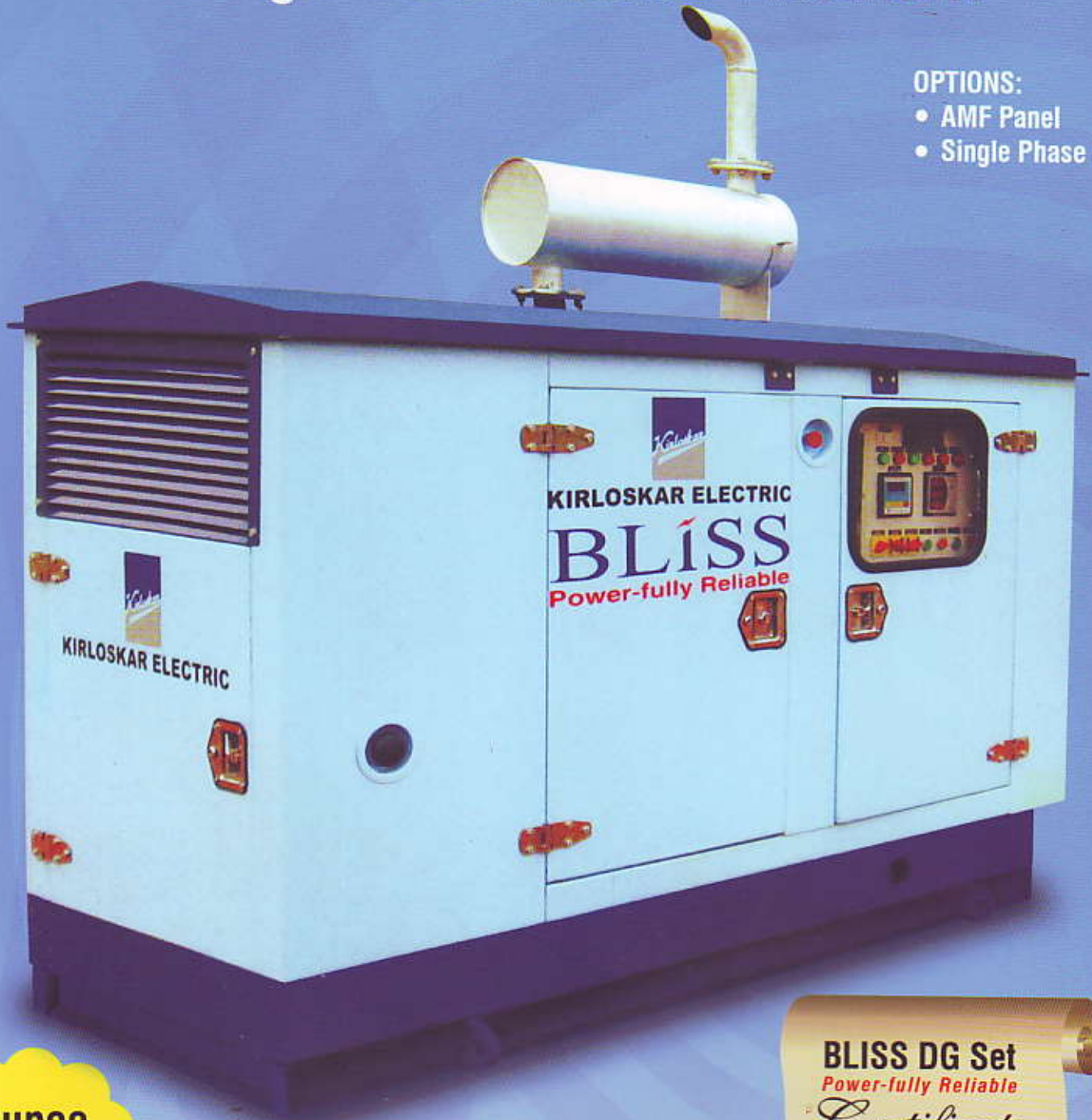


COMPANY MANUFACTURED DG SETS

Straight from Kirloskar Electric...

OPTIONS:

- AMF Panel
- Single Phase Ratings



Rupee Saving

- Economical Product cost
- Low diesel consumption
- Low Lube oil consumption
- Longer interval between Overhauls
- Longer life of parts
- Economically priced spares

BLISS DG Set

Power-fully Reliable

Certificate

Engine: ARAI approved
ACOUSTICS: FCRI approved
ALTERNATOR: KEMA certified
SAFETY UNIT: ETDC approved
DG SET: CPCB compliant

APPROVED
KIRLOSKAR ELECTRIC COMPANY

...With the stamp of
Kirloskar Electric Quality

TECHNICAL PARTICULARS OF KIRLOSKAR ELECTRIC BLISS DG SETS - FREEDOM SERIES

| Model | 12.5K-2KFWN105 | 15K-2KFWN105 | 20K-3KFWN105 | 22.5K-3KFWN105 | 24K-3KFWN105 | 25K-4KFWN105 | 30K-4KFWN105 | 34K-4KFWN105 | |
|-----------------------|---|---|--|--|--|--|--|--|--|
| DG SET | 12.5 10 17 1900x1025x1650 900 | 15 12 21 1900x1025x1650 900 | 20 16 28 2125X950X1500 1090 | 22.5 18 31 2125X950X1500 1090 | 24 19.2 33 2125X950X1500 1090 | 25K-4KFWN105 25 20 35 2250X1050X1500 1350 | 30K-4KFWN105 30 24 42 2250X1050X1500 1350 | 34K-4KFWN105 34 27.2 47 2250X1050X1500 1350 | |
| ENGINE | Kirloskar Electric 2KFWN105 23 2 1500 105 117 2.03 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 9 0.22 | Kirloskar Electric 2KFWN105 23 2 1500 105 117 2.03 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 9 0.22 | Kirloskar Electric 3KFWN105 31 3 1500 105 117 3.04 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 12 0.22 | Kirloskar Electric 3KFWN105 31 3 1500 105 117 3.04 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 12 0.22 | Kirloskar Electric 3KFWN105 31 3 1500 105 117 3.04 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 12 0.22 | Kirloskar Electric 4KFWN105 44 4 1500 105 117 4.05 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 14 0.22 | Kirloskar Electric 4KFWN105 44 4 1500 105 117 4.05 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 14 0.22 | Kirloskar Electric 4KFWN105 44 4 1500 105 117 4.05 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 14 0.22 | Kirloskar Electric 4KFWN105 44 4 1500 105 117 4.05 17.1 ± 0.5 156 +5 % Mech A NATURAL Dry type HSD 20W/40 14 0.22 |
| ALTERNATOR | 4AB160 Brushless 12.5 415 3 0.8 1500/50 +/-1% SPDP H 150 | 4AB160 Brushless 15 415 3 0.8 1500/50 +/-1% SPDP H 150 | 4AB160 Brushless 20 415 3 0.8 1500/50 +/-1% SPDP H 162 | 4AB160 Brushless 22.5 415 3 0.8 1500/50 +/-1% SPDP H 162 | 4AB160 Brushless 24 415 3 0.8 1500/50 +/-1% SPDP H 180 | 4AB160 Brushless 25 415 3 0.8 1500/50 +/-1% SPDP H 180 | 4AB160 Brushless 30 415 3 0.8 1500/50 +/-1% SPDP H 210 | 4AB160 Brushless 30 415 3 0.8 1500/50 +/-1% SPDP H 210 | 4AB160 Brushless 34 415 3 0.8 1500/50 +/-1% SPDP H 260 |
| CONTROL PANEL | <p>Ready To Use / Inbuilt</p> <p>Multidisplay meter cum KW meter for display of Volts, Amps, Hz, RPM, Hour, KW & KWH</p> <p>Fuel Level Indicator, Lub Oil Pressure, Water Temperature & Oil Temperature</p> <p>Manual Start/ Stop, Emergency Stop, Display Section & Fault Reset</p> <p>Short Circuit, Over load, MCCB with shunt coil for power ckt(above 22.5kVA) & MICBs for control circuit</p> <p>Low Lub Oil Pressure, High Coolant Temperature, Auto Shut Down, Visual & Audio Alarm against Fault</p> | | | | | | | | |
| BATTERY | Exide/Reputed | Exide/Reputed | Exide/Reputed | Exide/Reputed | Exide/Reputed | Exide/Reputed | Exide/Reputed | Exide/Reputed | |
| EXHAUST SYSTEM | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | Radiator Duct 2.5 | |
| FUEL TANK | 50 | 50 | 60 | 60 | 60 | 60 | 60 | 60 | |
| CANOPY | <p>Sheetmetal</p> <p>Draht</p> <p>Insulation</p> <p>Noise level at 1 m</p> <p>Base frame</p> <p>Pty(Noc.)</p> <p>Emergency stop</p> <p>Internal Lights</p> <p>75 DB @ 1 Meter in line with CPCB norms</p> <p>Pressnet CRCA Channel</p> <p>Foam/Rock Wool</p> | | | | | | | | |
| OTHER ITEMS | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | YES | YES | YES | YES | YES | YES | YES | YES | |
| | YES | YES | YES | YES | YES | YES | YES | YES | |

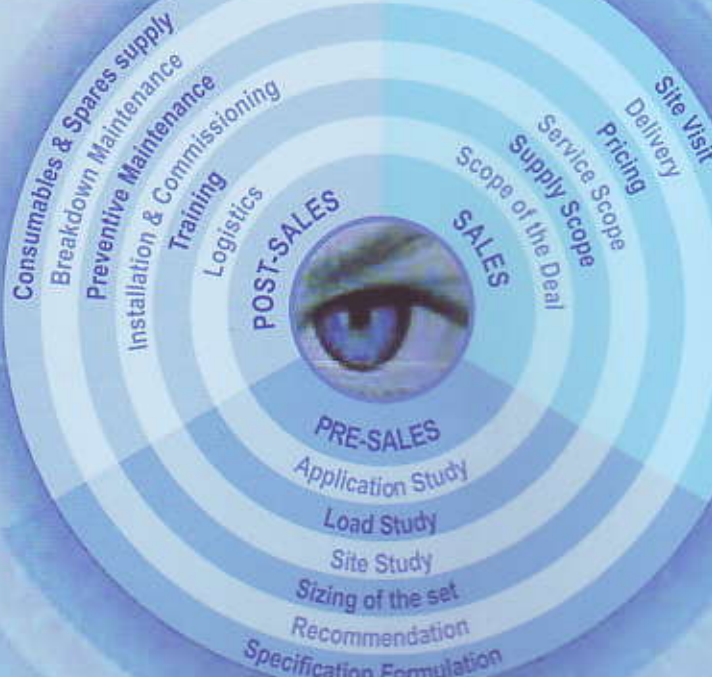
Engine Power Declared is at NTP.
In view of the continuous product development the format furnished is subject to revision and since published data is widely circulated, responsibility of seeking update rests with the user.

TECHNICAL PARTICULARS OF KIRLOSKAR ELECTRIC BLISS DG SETS - REPUBLIC SERIES

| Model | 40K-4KSWN108 | 45K-4KSWN168 | 50K-4KSWTC105 | 63K-4KSWTC105 | 75K-4KSWTC105 | 82.5K-6KSWATC105 | 100K-6KSWATC105 | 110K-6KSWATC105 | 125K-6KSWATC105 | 140K-6KSWATC113 | 180K-6KSWATC113 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| DG SET | 40 | 45 | 50 | 62.5 | 75 | 82.5 | 100 | 110 | 125 | 140 | 180 |
| Rated KW | 32 | 36 | 40 | 50 | 60 | 66 | 80 | 88 | 100 | 112 | 128 |
| Rated Current (Amps) | 56 | 63 | 70 | 88 | 104 | 115 | 139 | 153 | 174 | 195 | 223 |
| Length x Width x Height (mm) | 2700X1200X2100 | 2700X1200X2100 | 2700X1200X2100 | 2700X1200X2100 | 3000X1200X1815 | 3400X1200X2250 | 3400X1200X2250 | 3400X1200X2490 | 3400X1200X2490 | 3900 x 1600 x 2100 | 3900 x 1600 x 2100 |
| Total Dry Weight (Kgs) | 1350 | 1350 | 1500 | 1500 | 1650 | 2125 | 2125 | 2600 | 2600 | 3150 | 3250 |
| ENGINE | | | | | | | | | | | |
| Make | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric | Kirloskar Electric |
| Model | 4KSWN108 | 4KSWN108 | 4KSWTC105 | 4KSWTC105 | 4KSWTC105 | 6KSWATC105 | 6KSWATC105 | 6KSWATC105 | 6KSWATC105 | 6KSWATC113 | 6KSWATC113 |
| BHP | 59.8 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 |
| No. of Cylinders | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 |
| RPM | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Bore (mm) | 106 | 106 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 113 | 113 |
| Stroke (mm) | 135 | 135 | 125 | 125 | 135 | 135 | 135 | 135 | 135 | 125 | 125 |
| Displacement (liters) | 4.94 | 4.94 | 4.33 | 4.33 | 4.75 | 6.75 | 6.75 | 7.00 | 7.00 | 7.52 | 7.52 |
| Compression ratio | 16:01 | 16:01 | 16:01 | 16:01 | 16:01 | 16:01 | 16:01 | 16:01 | 16:01 | 17:01 | 17:01 |
| SFC (gms/BHP-hr) | 155 | 155 | 155 | 155 | 144 | 147 | 147 | 149 | 149 | 154 | 154 |
| Governor | Mech | Mech | Mech | Mech | Mech | Mech | Mech | Mech | Mech | Mech | Mech |
| Class of Governing | A | A | A | A | A | A | A | A | A | A | A |
| Aspiration | NATURAL | NATURAL | TC | TC | TC | TC | TC | TC | TC | TC | TC |
| Air filter | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type | Dry type |
| Fuel | HSD | HSD | HSD | HSD | HSD | HSD | HSD | HSD | HSD | HSD | HSD |
| Type of oil | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 | 20W/40 |
| Oil sump capacity (liters) | 11 | 11 | 13 | 13 | 13 | 19 | 19 | 19 | 19 | 21 | 21 |
| Lab Oil consumption (gms/BHP-hr) | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| Cooling | | | | | | | | | | | |
| Bare Radiator Coolant capacity (liters) | 9 | 9 | 9 | 9 | 11 | 13 | 13 | 13 | 13 | 17 | 17 |
| Coolant Capacity with engine Jacket (liters) | 12 | 12 | 12 | 12 | 14 | 18 | 18 | 18 | 18 | 21 | 21 |
| Engine Dry Weight (Kgs) | 410 | 410 | 435 | 435 | 475 | 620 | 620 | 620 | 620 | 635 | 635 |
| Electric Starting System | 12V | 12V | 12V | 12V | 12V | 24V | 24V | 24V | 24V | 24V | 24V |
| Make | KEC | KEC | KEC | KEC | KEC | KEC | KEC | KEC | KEC | KEC | KEC |
| Model | 4AB200S1 | 4AB200S1 | 4AB200M1 | 4AB225S1 | 4AB225S1 | 4AB225S1 | 4AB225S1 | 4AB225M1 | 4AB225M1 | 4AB280S1 | 4AB280S1 |
| Type | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless | Brushless |
| Rating (KVA) | 40 | 45 | 50 | 62.5 | 75 | 82.5 | 100 | 110 | 125 | 140 | 160 |
| Voltage (V) | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 |
| No. of Phases | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Power Factor | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Speed (rpm) / Frequency (Hz) | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 | 1500 / 50 |
| Voltage Regulation | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% | +/- 1% |
| Enclosure | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP | SPDP |
| Insulation class | H | H | H | H | H | H | H | H | H | H | H |
| Weight of ACG (Kgs) | 260 | 270 | 310 | 360 | 360 | 390 | 440 | 460 | 480 | 500 | 560 |
| CONTROL PANEL | | | | | | | | | | | |
| Type | | | | | | | | | | | |
| Metering | | | | | | | | | | | |
| Gauges | | | | | | | | | | | |
| Functions | | | | | | | | | | | |
| Protection | | | | | | | | | | | |
| Safety | | | | | | | | | | | |
| Make | | | | | | | | | | | |
| Exide/Reputed | | | | | | | | | | | |
| BATTERY | | | | | | | | | | | |
| Type | | | | | | | | | | | |
| Rating (Ah) | 130 | 130 | 100 | 100 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| Quantity (Nos.) | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Charging Facility | | | | | | | | | | | |
| Battery metering | | | | | | | | | | | |
| Silencer type | | | | | | | | | | | |
| Location | | | | | | | | | | | |
| Exhaust pipe size (inches) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Capacity (Litres) | 110 | 110 | 110 | 110 | 120 | 160 | 160 | 160 | 160 | 305 | 305 |
| FUEL TANK | | | | | | | | | | | |
| Type | | | | | | | | | | | |
| Capacity (Litres) | 110 | 110 | 110 | 110 | 120 | 160 | 160 | 160 | 160 | 305 | 305 |
| CANOPY | | | | | | | | | | | |
| Type | | | | | | | | | | | |
| Sheetmetal | | | | | | | | | | | |
| Drift | | | | | | | | | | | |
| Insulation | | | | | | | | | | | |
| Noise level at 1 m | | | | | | | | | | | |
| Base frame | | | | | | | | | | | |
| AVMs Qty (Nos.) | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 |
| Emergency stop | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Internal Lights | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| OTHER ITEMS | | | | | | | | | | | |
| Exide/Reputed | | | | | | | | | | | |

Engine Power Declared is at NTP. In view of the continuous product development the format furnished is subject to revision and since published data is widely circulated, responsibility of seeking update rests with the user.

ALL ROUND CONCERN AND CARE...



... THAT IS VISION 360 DEGREES

Sixty years of experience in offering engineering products has enabled Kirloskar Electric to have focus on all round needs of the customer in the areas of pre-sale, Sale and After sale.

System and Modalities in each of these areas brings you the best and the most comfortable experience.

BLISS from Kirloskar Electric 'The one stop solution in DG sets'

KIRLOSKAR ELECTRIC

BLISS
Power-fully Reliable



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