



# MCWEL GENERATOR SET



| Generator Model         |                                     | MGK16S                                | MGK20S                | MGI31S                | MGI37S                  | MGP90S                |
|-------------------------|-------------------------------------|---------------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| ENGINE                  | Model                               | KD388G                                | KD488J                | 4JB1<br>493           | 4JB1T<br>493            | 1004TG<br>Lovol       |
|                         | No. of Cylinder                     | 3                                     | 4                     | 4                     | 4                       | 4                     |
|                         | Type                                | Water-Cooled Industrial Diesel Engine |                       |                       |                         |                       |
|                         | Displacement (ℓ)                    | 1.642                                 | 2.19                  | 2.8                   | 2.8                     | 3.99                  |
|                         | Maximum Output<br>(1500rpm/1800rpm) | 13.5/16.3KW                           | 18.0/21.6KW           | 27/31KW               | 32/38KW                 | 72.3/90.4KW           |
|                         | Rated Output<br>(1500rpm/1800rpm)   | 12.3/14.8KW                           | 16.4/19.6KW           | 24/28KW               | 28/34KW                 | 65.7/82.1KW           |
|                         | Fuel Consumption<br>(7590 Load)     | 3.29 ℓ/hr                             | 4.39 ℓ/hr             | 6.21 ℓ/hr             | 7.32 ℓ/hr               | 15.85 ℓ/hr            |
| ALTERNATOR              | Model (Genfor)                      | GF16                                  | GF20                  | GF31                  | GF37                    | GF90                  |
|                         | Rated Output<br>(50HZ / 60HZ)       | 10.8/13.5KW<br>13.5/16.8KVA           | 12.8/16KW<br>16/20KVA | 20/26KW<br>25/32.5KVA | 25/30KW<br>31.3/37.5KVA | 60/75KW<br>75/93.7KVA |
|                         | Rated Voltage                       | 400/ 440V; 200/ 220V                  |                       |                       |                         |                       |
|                         | Frequency                           | 50HZ / 60HZ                           |                       |                       |                         |                       |
|                         | Power Factor                        | 0.8                                   |                       |                       |                         |                       |
|                         | Class of Rating                     | Prime                                 |                       |                       |                         |                       |
|                         |                                     | No. of Phase                          | 3                     |                       |                         |                       |
| Dimensions(mm)<br>LxWxH |                                     | 1500×720×1030                         | 1600×720×1030         | 1850x760x1050         |                         | 2400x920x1250         |
| Fuel Tank Capacity (ℓ)  |                                     | 70                                    | 75                    | 81                    |                         | 170                   |
| Weight (kg)             |                                     | 600                                   | 800                   | 800                   |                         | 1400                  |





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| Generator Model        |                                     | MGC48S                                | MGC65S                | MGC125S                | MGC156S                 | MGC225S                 | MGC260S                 | MGC310S                 | MGC400S                 |
|------------------------|-------------------------------------|---------------------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ENGINE                 | Model                               | 4BT3.9-G1<br>Cummins                  | 4BTA3.9-G2<br>Cummins | 6BT5.9-G1<br>Cummins   | 6BTAA5.9-G2<br>Cummins  | 6CTA8.3-G2<br>Cummins   | 6CTAA8.3-G2<br>Cummins  | 6LTAA8.9-G2<br>Cummins  | QSM11-G2<br>Cummins     |
|                        | No. of Cylinder                     | 4                                     | 4                     | 6                      | 6                       | 6                       | 6                       | 6                       | 6                       |
|                        | Type                                | Water-Cooled Industrial Diesel Engine |                       |                        |                         |                         |                         |                         |                         |
|                        | Displacement (ℓ)                    | 3.9                                   | 3.9                   | 5.9                    | 5.9                     | 8.3                     | 8.3                     | 8.9                     | 10.8                    |
|                        | Maximum Output<br>(1500rpm/1800rpm) | 40/50KW                               | 55/68.8KW             | 92/115KW               | 130/162.5KW             | 180/225KW               | 203/253.8KW             | 240/300KW               | 321/351KW               |
|                        | Rated Output<br>(1500rpm/1800rpm)   | 36/45KW                               | 50/62.5KW             | 86/107.5KW             | 120/150KW               | 163/203.8KW             | 183/228.8KW             | 220/275KW               | 292/319KW               |
|                        | Fuel Consumption<br>(7590 Load)     | 9.3 ℓ/hr                              | 13.1 ℓ/hr             | 21.4 ℓ/hr              | 29 ℓ/hr                 | 39.8 ℓ/hr               | 44.5 ℓ/hr               | 50.4 ℓ/hr               | 69 ℓ/hr                 |
| ALTERNATOR             | Model (Genfor)                      | GF48                                  | GF65                  | GF125                  | GF156                   | GF225                   | GF260                   | GF310                   | GF 400                  |
|                        | Rated Output<br>(50HZ / 60HZ)       | 30/39KW<br>37/48KVA                   | 40/52KW<br>50/65KVA   | 80/100KW<br>100/125KVA | 100/125KW<br>125/156KVA | 140/180KW<br>175/225KVA | 160/208KW<br>200/260KVA | 200/250KW<br>250/312KVA | 260/315KW<br>325/394KVA |
|                        | Rated Voltage                       | 400/ 440V; 200/ 220V                  |                       |                        |                         |                         |                         |                         |                         |
|                        | Frequency                           | 50HZ / 60HZ                           |                       |                        |                         |                         |                         |                         |                         |
|                        | Power Factor                        | 0.8                                   |                       |                        |                         |                         |                         |                         |                         |
|                        | Class of Rating                     | Prime                                 |                       |                        |                         |                         |                         |                         |                         |
|                        | No. of Phase                        | 3                                     |                       |                        |                         |                         |                         |                         |                         |
| Dimensions(mm)         |                                     | 2300x920                              | 2300x920              | 2700x980               | 2900x1050               | 3100x1100               | 3100x1200               | 3400x1250               | 3900x1350               |
| LxWxH                  |                                     | x1350                                 | x1350                 | x1470                  | x1500                   | x1600                   | x1700                   | x1800                   | x2000                   |
| Fuel Tank Capacity (ℓ) |                                     | 100                                   | 130                   | 140                    | 210                     | 270                     | 280                     | 305                     | 500                     |
| Weight (kg)            |                                     | 1100                                  | 1200                  | 1600                   | 1800                    | 2400                    | 2600                    | 3250                    | 3900                    |