

# MQ Power Containerized Generators — 500, 750, 1000, 1500 and 2000 KW

|                                                                       | EGC-500DD                                                             | EGC-500V                   | EGC-750DD                  | EGC-750C                     | EGC-1000DD                 | EGC-1500C                  | EGC-2000C                  |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|
| GENERATOR                                                             |                                                                       |                            |                            |                              |                            |                            |                            |
| Design                                                                | Revolving field Self-ventilated Drip-proof Single bearing Synchronous |                            |                            |                              |                            |                            |                            |
| No. of Poles                                                          | 4-pole                                                                |                            |                            |                              |                            |                            |                            |
| Excitation                                                            | Brushless with PMG/AVR                                                |                            |                            |                              |                            |                            |                            |
| Standby Output (KW)                                                   | 500                                                                   | 500                        | 750                        | 800                          | 1000                       | 1500                       | 2000                       |
| Prime Output (KW)                                                     | 450                                                                   | 450                        | 675                        | 725                          | 900                        | 1250                       | 1800                       |
| Continuous Output (KW)                                                | 330                                                                   | 450                        | 500                        | 585                          | 660                        | 1125                       | 1600                       |
| Generator RPM                                                         | 1800                                                                  |                            |                            |                              |                            |                            |                            |
| Voltage — 3 Phase (other voltage configurations available on request) | 120/208V<br>277/480V                                                  |                            |                            |                              | 277/480V                   |                            |                            |
| Voltage Selector Switch                                               | Standard                                                              |                            |                            |                              | N/A                        |                            |                            |
| Armature Connection                                                   | Wye Connection                                                        |                            |                            |                              |                            |                            |                            |
| Voltage Regulation                                                    | 0.5% max (No load to full load)                                       |                            |                            |                              |                            |                            |                            |
| Power Factor                                                          | 0.8                                                                   |                            |                            |                              |                            |                            |                            |
| Frequency (50 Hz models available upon request)                       | 60 Hz                                                                 |                            |                            |                              |                            |                            |                            |
| Insulation                                                            | Class H                                                               |                            |                            |                              |                            |                            |                            |
| DIESEL ENGINE                                                         |                                                                       |                            |                            |                              |                            |                            |                            |
| Make/Model                                                            | Detroit Diesel 8V2000                                                 | Volvo TAD1631GE            | Detroit Diesel 12V2000     | Cummins QST30-G2             | Detroit Diesel 16V2000/G61 | Cummins KTA50-G9           | Cummins QSK60-G6           |
| Design                                                                | 4-cycle Water cooled Turbocharged Aftercooled                         |                            |                            |                              |                            |                            |                            |
| Displacement                                                          | 972 CID                                                               | 984 CID                    | 1,458 CID                  | 1,860 CID                    | 1,944 CID                  | 3,067 CID                  | 3,673 CID                  |
| No. Cylinders                                                         | V-8                                                                   | 6 inline                   | V-12                       | V-12                         | V-16                       |                            |                            |
| Bore x Stroke in. (mm)                                                | 5.11 x 5.91<br>(130 x 150)                                            | 5.67 x 6.50<br>(144 x 165) | 5.11 x 5.91<br>(130 x 150) | 5.51 x 6.50<br>(140 x 165.1) | 5.11 x 5.91<br>(130 x 150) | 6.25 x 6.25<br>(159 x 159) | 6.25 x 7.48<br>(159 x 190) |
| HP at Rated Speed                                                     | 765                                                                   | 759                        | 1,120                      | 1,200                        | 1,495                      | 2,220                      | 2,922                      |
| Fuel Tank Capacity gal                                                | 800                                                                   |                            |                            | 1,000                        |                            |                            | 1,200                      |
| Fuel Consumption                                                      |                                                                       |                            |                            |                              |                            |                            |                            |
| At full load gph                                                      | 32.7                                                                  | 34.9                       | 54.7                       | 60.0                         | 78.2                       | 104.0                      | 132.0                      |
| At ¾ load gph                                                         | 26.8                                                                  | 26.8                       | 39.4                       | 39.7                         | 53.4                       | 79.0                       | 100.7                      |
| At ½ load gph                                                         | 18.1                                                                  | 19.0                       | 26.9                       | 26.9                         | 36.7                       | 56.0                       | 71.9                       |
| At ¼ load gph                                                         | 10.1                                                                  | 11.4                       | 15.2                       | 15.2                         | 20.5                       | 33.0                       | 44.2                       |
| Engine Coolant Capacity gal.                                          | 52.7                                                                  | 54.5                       | 75.9                       | 85.5                         | 78.4                       | 106.1                      | 106.1                      |
| Oil Capacity with filters gal.                                        | 14.3                                                                  | 9.2                        | 15.0                       | 40.7                         | 28.5                       | 54                         | 54                         |
| Battery                                                               | 24 VDC / 1600 CCA                                                     |                            |                            | 24 VDC / 3200 CCA            |                            |                            |                            |
| SIZE                                                                  |                                                                       |                            |                            |                              |                            |                            |                            |
| LxWxH ft.                                                             | 20 x 8 x 8.5                                                          |                            |                            | 40 x 8 x 9.5                 |                            |                            |                            |
| Aprox. Wet Wt. without trailer lb.                                    | 22,500                                                                | 20,440                     | 37,540                     | 37,760                       | 38,460                     | 46,480                     | 61,000                     |
| Aprox. Wet Wt. with trailer lb.                                       | 29,980                                                                | 26,920                     | 44,280                     | 44,500                       | 45,200                     | 53,220                     | 68,900                     |
| AMPS                                                                  |                                                                       |                            |                            |                              |                            |                            |                            |
| Three Phase 208V                                                      | 1735 A                                                                | 1822 A                     | 2602 A                     | 2775 A                       | —                          | —                          | —                          |
| Three Phase 480V                                                      | 752 A                                                                 | 789 A                      | 1128 A                     | 1202 A                       | 1,504 A                    | 2,258 A                    | 3,000 A                    |

Note: Backfeed to a utility system can cause electrocution and/or property damage. Do not connect to any building's electrical system except through an approved device or after building main switch is opened.

Features and specifications are subject to be changed without notice.

