

MQ POWER 25 to 150 KVA — Single / Three Phase

| MODEL | DCA-25SSJU | DCA-45SSJU2 | DCA-60SSJ2 | DCA-79SSJU2 | DCA-89SSJUC* | DCA-100SSJU2 | DCA-129SSJU2 | DCA-150SSJU2 |
|--|--|---|--|--|--|---|---|--|
| GENERATOR | | | | | | | | |
| Design | Rotating field Self-ventilated Drip-proof Single bearing | | | | | | | |
| No. of Poles | 4-pole | | | | | | | |
| Excitation | Brushless with AVR | | | | | | | |
| Standby Output | 22 KW (27 KVA) | 37 KW (47 KVA) | 53 KW (66 KVA) | 61 KW (77 KVA) | 70 KW (88 KVA) | 88 KW (110 KVA) | 110 KW (137 KVA) | 132 KW (165 KVA) |
| Prime Output | 20 KW (25 KVA) | 35 KW (45 KVA) | 48 KW (60 KVA) | 55 KW (70 KVA) | 66 KW (82 KVA) | 80 KW (100 KVA) | 100 KW (125 KVA) | 120 KW (150 KVA) |
| Generator RPM | 1800 | | | | | | | |
| Voltage — 3 phase | 208, 220, 240, 416, 440, 480V Switchable | | | | | | | |
| Voltage — single phase | 120, 127, 138, 240, 254, 277V Switchable | | | | | | | |
| Armature connection | Star with neutral / zigzag | | | | | | | |
| Voltage Regulation (No load to full load) | ±1% | | ±1.5% | | | | | |
| Power Factor | 0.8 | | | | | | | |
| Frequency | 60 Hz | | | | | | | |
| Insulation | Class F | | | | | | | |
| Sound Level dB(A) Full load 23 feet | 65 | 64 | 66 | 65 | 67 | 67 | 67 | 68 |
| DIESEL ENGINE | | | | | | | | |
| Make/Model | Iscuz C240 | Iscuz 4901 | Iscuz 6601 | John Deere 4045TF150 | John Deere 4045TF250 | John Deere 6068TF150 | John Deere 6068TF250 | John Deere 6061TF |
| Starting System | Electric | | | | | | | |
| Design | 4-cycle Water cooled Swirl chamber | 4-cycle Water cooled Direct injection | | 4-cycle Water cooled Direct injection | | 4-cycle Water cooled Direct injection Turbocharged | | |
| Displacement | 2369 cc | 4329 cc | 6494 cc | 4500 cc | 4500 cc | 6724 cc | 6724 cc | 8100 cc |
| No. cylinders | 4 | 4 | 6 | 4 | 4 | 6 | 6 | 6 |
| Bore x Stroke (mm) | 86 x 102 | 105 x 125 | 105 x 125 | 106 x 127 | 106 x 127 | 106 x 127 | 106 x 127 | 116 x 129 |
| HP at Rated Speed | 31 | 56 | 77 | 60 | 102 | 129 | 150 | 190 |
| Fuel Tank Capacity gal (liters) | 17.2 (65.1) | 26.4 (99.9) | 33 (124.9) | 40 (151.4) | 49 (151.4) | 63 (238.5) | 63 (238.5) | 66 (249.8) |
| Fuel Consumption At full load gph (lph) At 1/2 load gph (lph) At 1/4 load gph (lph) | 1.7 (6.5) 1.3 (5.0) 0.9 (3.4) 0.6 (2.3) | 2.7 (10.3) 2.0 (7.6) 1.5 (5.7) 1.1 (4.2) | 3.9 (14.4) 3.0 (11.4) 2.4 (9.1) 1.9 (7.2) | 3.9 (14.4) 3.1 (11.7) 2.3 (8.7) 1.8 (6.8) | 4.8 (18.1) 3.8 (14.3) 2.6 (9.8) 1.9 (6.0) | 6.6 (25.1) 5.0 (19.0) 3.5 (13.3) 2.1 (8.0) | 7.5 (28.4) 5.7 (21.6) 4.0 (15.1) 2.3 (8.7) | 9.7 (36.7) 7.5 (28.4) 5.3 (20.1) 3.5 (13.3) |
| Coolant capacity gal (liters) | 2.9 (11.0) | 6.3 (20.1) | 7.5 (28.4) | 6.9 (26.0) | 6.9 (26.0) | 10.3 (39.0) | 10.3 (39.0) | 10.9 (41.2) |
| Oil capacity gal (liters) | 1.45 (5.5) | 3.4 (12.9) | 4.8 (18.2) | 3.4 (13.0) | 3.4 (13.0) | 4.5 (17.0) | 4.5 (17.0) | 6.5 (24.7) |
| Battery | 12V 70Ah x 1 | 12V 100Ah x 1 | 12V 100Ah x 2 24V System | 12V 100Ah x 1 | 12V 100Ah x 1 | 12V x 150Ah x 1 | 12V 150Ah x 1 | 12V 150Ah x 1 |
| SIZE | | | | | | | | |
| LxWxH in (cm) | 75x29x39 (193x74x99) | 70x35x49 (178x89x124) | 96x35x49 (243x89x124) | 94x35x55 (239x89x140) | 94x35x55 (239x89x140) | 120x44x56 (305x112x142) | 120x44x56 (305x112x142) | 126x47x59 (320x119x150) |
| Aprox Net Wt. lb. (kg) | 1543 (700) | 2470 (1120) | 3250 (1474) | 3246 (1472) | 3380 (1520) | 4454 (2020) | 4630 (2100) | 5617 (2548) |
| AMPS | | | | | | | | |
| Single Phase 120V | 55.5A (4 wire) 60Ax2 (zigzag) | 100A (4 wire) 108Ax2 (zigzag) | 133.3A (4 wire) 144Ax2 (zigzag) | 155.5A (4 wire) 168Ax2 (zigzag) | 180.0A (4 wire) 250Ax2 (zigzag) | 222.2A (4 wire) 241Ax2 (zigzag) | 277.8A (4 wire) 301Ax2 (zigzag) | 333.3A (4 wire) 361Ax2 (zigzag) |
| Single Phase 240V | 27.8A (4 wire) 60A (zigzag) | 50A (4 wire) 108A (zigzag) | 66.7A (4 wire) 144A (zigzag) | 77.8A (4 wire) 168A (zigzag) | 91.2A (4 wire) 250A (zigzag) | 111.1A (4 wire) 241A (zigzag) | 138.9A (4 wire) 301A (zigzag) | 166.7A (4 wire) 361A (zigzag) |
| Three Phase 240V | 60A | 108A | 144A | 168A | 197A | 241A | 301A | 361A |
| Three Phase 480V | 30A | 54A | 72A | 84A | 98A | 120A | 150A | 180A |

* Specially designed for high single phase output