

## MQ Power Ultra-Silent WhisperWatt 25 kVA to 150 kVA – Single / Three Phase

| MODEL                                      | DCA-25USI  | DCA-45USI   | DCA70USI   | DCA-85USJ*                           | DCA-125USI                           |
|--|--|---|--|--------------------------------------|--------------------------------------|
| <b>Generator</b>                           |  |   |  |                                      |                                      |
| Design                                     | Revolving Field, Self-ventilated, Drip-proof, Single bearing |   |  |                                      |                                      |
| No. of poles                               | 4- pole  |   |  |                                      |                                      |
| Excitation                                 | Brushless with AVR   |   |  |                                      |                                      |
| Standby Output Rating                      | 22 kW (27 kVA)   | 40 kW (50 kVA)  | 62 kW (77 kVA)   | 75 kW (94 kVA)                       | 110 kW (137 kVA)                     |
| Prime Output                               | 20 kW (25 kVA)   | 36 kW (45 kVA)  | 56 kW (70 kVA)   | 68 kW (85 kVA)                       | 100 kW (125 kVA)                     |
| Generator RPM                              | 1800   |   |  |                                      |                                      |
| Voltage - 3 phase                          | 208, 220, 240, 416, 440, 460, 480V Switchable                |   |  |                                      |                                      |
| Voltage - 1 phase                          | 120, 127, 139, 240, 254, 277V Switchable                     |   |  |                                      |                                      |
| Armature connection                        | Star with neutral / Zigzag                                   |   |  |                                      |                                      |
| Voltage Regulation (no load to full load)  | ±0.5%  |   |  |                                      |                                      |
| Frequency                                  | 60 Hz  |   |  |                                      |                                      |
| Frequency regulation (Steady State Load)   | 3-5%<br>Optional Electronic Governor ±0.25%                  | ± 0.25%<br>Includes Electronic Governor                     |  |                                      |                                      |
| Power Factor                               | 0.8  |   |  |                                      |                                      |
| Sound level dB (A)<br>Full load at 23 feet | 59   | 58  | 60   | 63                                   | 65                                   |
| <b>Diesel Engine</b>                       |  |   |  |                                      |                                      |
| Make / Model                               | Isuzu<br>BV-4LE2   | Isuzu<br>Bu-4JJ1T   | Isuzu<br>BJ-4JJ1X  | John Deere<br>4045HF285              | Isuzu<br>BI-4HK1X                    |
| Emissions                                  | Interim Tier 4   |   | Tier 3   |                                      |                                      |
| Starting system                            | Electric   |   |  |                                      |                                      |
| Design                                     | 4-cycle<br>Water cooled<br>Direct Injection                  | 4-cycle<br>Water cooled<br>Direct Injection<br>Turbocharged | 4 cycle<br>Water cooled<br>Direct Injection<br>Turbocharged<br>Charge Air Cooled |                                      |                                      |
| Displacement                               | 2179 cc  | 2999 cc   | 2999 cc  | 4500 cc                              | 5193 cc                              |
| No. of cylinders                           | 4  |   |  |                                      |                                      |
| Bore x Stroke (mm)                         | 85 x 96  | 95.4 x 104.9  | 95.4 x 104.9   | 106 x 127                            | 115 x 125                            |
| Gross HP                                   | 34.3   | 67.1  | 97.9   | 126                                  | 173                                  |
| Full tank capacity gal. (liters)           | 41.7 (158)   | 79.2 (300)  | 103 (390)  | 126 (475)                            | 169 (640)                            |
| Fuel consumption                           |  |   |  |                                      |                                      |
| full load gph (lph)                        | 1.64 (6.23)  | 2.7 (10.4)  | 4.1 (15.4)   | 5.3 (20.1)                           | 7.3 (27.8)                           |
| 3/4 load gph (lph)                         | 1.2 (4.57)   | 2.1 (8.0)   | 3.1 (11.9)   | 4.3 (16.2)                           | 5.7 (21.6)                           |
| 1/2 load gph (lph)                         | 0.85 (3.2)   | 1.5 (5.7)   | 2.1 (8.1)  | 3.1 (11.9)                           | 4.0 (15.1)                           |
| 1/4 load gph (lph)                         | 0.57 (2.17)  | 0.95 (3.6)  | 1.3 (4.8)  | 2.0 (7.6)                            | 2.4 (9.1)                            |
| Coolant capacity gal. (liters)             | 1.7 (6.4)  | 3.15 (12.0)   | 3.57 (13.5)  | 4.76 (18.0)                          | 5.2 (19.7)                           |
| Oil capacity gal. (liters)                 | 2.25 (8.5)   | 3.96 (15.0)   | 3.96 (15.0)  | 3.88 (14.7)                          | 6.1 (23.0)                           |
| Battery                                    | 12V 53Ah   | 12V 72Ah  | 12V 72Ah   | 12 72Ah                              | 12V 128Ah                            |
| <b>Size</b>                                |  |   |  |                                      |                                      |
| L x W x H in. (cm)                         | 70 x 31 x 50<br>(179 x 79 x 126)                             | 84 x 37 x 61<br>(213 x 95 x 155)                            | 105 x 37 x 68<br>(267 x 95 x 173.5)  | 112 x 49 x 71<br>(285 x 124 x 181)   | 120 x 49 x 73<br>(305 x 124 x 186)   |
| Approx Net Wt lbs. (kg)                    | 1850 (840)   | 2944 (1335)   | 3831 (1738)  | 5165 (2342)                          | 5781 (2622)                          |
| <b>Amps</b>                                |  |   |  |                                      |                                      |
| Single phase 120V                          | 55.6A (4 wire)<br>60A x 2 (zigzag)                           | 100A (4 wire)<br>108A x 2 (zigzag)                          | 155.5A (4 wire)<br>168A x 2 (zigzag)   | 188.9A (4 wire)<br>250A x 2 (zigzag) | 277.8A (4 wire)<br>301A x 2 (zigzag) |
| Single phase 240V                          | 27.8A (4 wire)<br>60A (zigzag)                               | 50A (4 wire)<br>108A (zigzag)                               | 77.8A (4 wire)<br>168A (zigzag)  | 94.4 (4 wire)<br>250A (zigzag)       | 138.9A (4 wire)<br>301A (zigzag)     |
| Three phase 240V                           | 60A  | 108A  | 168A   | 204A                                 | 301A                                 |
| Three phase 480V                           | 30A  | 54A   | 84A  | 102A                                 | 150A                                 |

\* Specifically designed for high single phase output



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