



PowerKit

60HZ LEAN BURN NATURAL GAS ENGINES COP/PRP

60 Hz

| Engine Model | Gross Engine Output | | Typical Generator Output Engines | | | | Asp. | Gov. |
|--------------|---------------------|-----|----------------------------------|------|-----|------|-------|------|
| | COP | PRP | COP | | PRP | | | |
| | kWm | | kWe | kVA | kWe | kVA | | |
| 4M11G4N0/6 | 60 | 70 | 50 | 63 | 60 | 75 | T/A-A | ECU |
| 6M11G4N0/6 | 102 | 120 | 85 | 106 | 100 | 125 | T/A-A | ECU |
| 6M16G4N0/6 | 184 | 216 | 150 | 188 | 180 | 225 | T/A-A | ECU |
| 6M21G4N0/6 | 245 | 288 | 190 | 238 | 240 | 300 | T/A-A | ECU |
| 6M33G6N0/6 | 408 | 480 | 350 | 438 | 400 | 500 | T/A-A | ECU |
| 12M26G2N0/6 | 600 | 648 | 468 | 585 | 550 | 688 | T/A-A | ECU |
| 12M33G14N0/6 | 816 | 960 | 720 | 900 | 850 | 1063 | T/A-W | ECU |
| 12M33G14B0/6 | 816 | 960 | 720 | 900 | 850 | 1063 | T/A-W | ECU |
| 16M33G6N0/6 | 1280 | - | 1120 | 1400 | - | - | T/A-W | ECU |

PSI

60HZ RICH BURN NG/LPG ENGINES ESP/PRP/COP

| Engine Model | NG | | | | | | | Engine Model | LPG | | | | | | |
|--------------|---------------------|------|-----|----------------------------------|------|-----|------|--------------|---------------------|-----|-----|----------------------------------|-----|-----|-----|
| | Gross Engine Output | | | Typical generator output Engines | | | | | Gross Engine Output | | | Typical generator output Engines | | | |
| | ESP | PRP | COP | ESP | | PRP | | | ESP | PRP | COP | ESP | | PRP | |
| | kWm | | kWe | kVA | kWe | kVA | | kWm | | kWe | kVA | kWe | kVA | | |
| 2.4LNA | 32 | - | - | 27 | 34 | - | - | 2.4LNA | 35 | - | - | 30 | 37 | - | - |
| 4X | 58 | 52 | 37 | 50 | 63 | 45 | 56 | 4X | 61 | 55 | 39 | 53 | 66 | 48 | 59 |
| 4.5LNA | 50 | 50 | 35 | 45 | 56 | 45 | 56 | 4.5LNA | 49 | 49 | 34 | 44 | 55 | 44 | 55 |
| 5.7LNA | 64 | 70 | 49 | 56 | 70 | 62 | 77 | 5.7LNA | 84 | 75 | 53 | 75 | 94 | 67 | 83 |
| 6.7LNA | 66 | 66 | 46 | 57 | 71 | 57 | 71 | 6.7LNA | 87 | 87 | 61 | 76 | 95 | 76 | 95 |
| 6.7LT | 150 | 120 | 84 | 128 | 161 | 101 | 126 | 6.7LT | 99 | 99 | 69 | 82 | 102 | 82 | 102 |
| 8.1LNA | 100 | 88 | 62 | 87 | 109 | 76 | 95 | 8.1LNA | 100 | 88 | 62 | 87 | 109 | 76 | 95 |
| 8.1LT | 176 | 150 | 105 | 156 | 195 | 132 | 165 | 8.1LT | 130 | 111 | 78 | 113 | 142 | 96 | 120 |
| 8.8LNA | 121 | 109 | 76 | 106 | 132 | 95 | 118 | 8.8LNA | 138 | 124 | 87 | 121 | 152 | 109 | 136 |
| 8.8LT | 147 | - | - | 130 | 162 | - | - | 8.8LT | - | - | - | - | - | - | - |
| 8.8LTCAC | 195 | - | - | 179 | 224 | - | - | 8.8LTCAC | 172 | - | - | 158 | 197 | - | - |
| 10NA | 120 | 120 | 84 | 99 | 124 | 99 | 124 | 10NA | 133 | 133 | 93 | 111 | 139 | 111 | 139 |
| 10LT | 236 | 203 | 142 | 211 | 264 | 180 | 225 | 10LT | 168 | 168 | 118 | 146 | 183 | 146 | 183 |
| 13LT | 300 | 245 | 172 | 263 | 328 | 211 | 264 | 13LT | 180 | 180 | 126 | 149 | 187 | 149 | 187 |
| 22LT | 510 | 434 | 304 | 455 | 569 | 375 | 468 | 22LT | 352 | 299 | 209 | 299 | 373 | 249 | 312 |
| 32LT | 720 | 612 | 428 | 661 | 827 | 559 | 698 | 32LT | 475 | 404 | 283 | 419 | 524 | 353 | 442 |
| 40LT | 920 | 828 | 580 | 836 | 1045 | 749 | 936 | 40LT | 584 | 526 | 368 | 517 | 646 | 462 | 577 |
| 53LT | 1185 | 1067 | 747 | 1050 | 1312 | 938 | 1172 | 53LT | 892 | 803 | 562 | 771 | 964 | 687 | 859 |

| Engine Model | Gross Engine Output | | Typical Generator Output Engines | | | | Asp. | Gov. |
|--------------|---------------------|-----|----------------------------------|------|-----|------|-------|------|
| | COP | PRP | COP | | PRP | | | |
| | kWm | | kWe | kVA | kWe | kVA | | |
| 4M11G4N0/5 | 60 | 70 | 50 | 63 | 60 | 75 | T/A-A | ECU |
| 6M11G4N0/5 | 102 | 120 | 85 | 106 | 100 | 125 | T/A-A | ECU |
| 6M16G4N0/5 | 155 | 182 | 130 | 163 | 150 | 188 | T/A-A | ECU |
| 6M21G4N0/5 | 245 | 288 | 204 | 255 | 240 | 300 | T/A-A | ECU |
| 6M33G6N0/5 | 380 | 450 | 320 | 400 | 380 | 475 | T/A-A | ECU |
| 12M26G2N0/5 | 550 | 582 | 425 | 531 | 500 | 625 | T/A-A | ECU |
| 12M33G10B0/5 | 748 | 880 | 680 | 850 | 800 | 1000 | T/A-W | ECU |
| 12M33G10N0/5 | 765 | 900 | 680 | 850 | 800 | 1000 | T/A-W | ECU |
| 16M33G6N0/5 | 1280 | - | 1100 | 1375 | - | - | T/A-W | ECU |
| 12M55G6N0/5 | 1588 | - | 1400 | 1750 | - | - | T/A-W | ECU |



50HZ RICH BURN NG/LPG ENGINES ESP/PRP/COP

| Engine Model | NG | | | | | | | Engine Model | LPG | | | | | | |
|--------------|---------------------|-----|-----|----------------------------------|------|-----|------|--------------|---------------------|-----|-----|----------------------------------|-----|-----|-----|
| | Gross Engine Output | | | Typical generator output Engines | | | | | Gross Engine Output | | | Typical generator output Engines | | | |
| | ESP | PRP | COP | ESP | | PRP | | | ESP | PRP | COP | ESP | | PRP | |
| kWm | | | kWe | kVA | kWe | kVA | kWm | | | kWe | kVA | kWe | kVA | | |
| 2.4LNA | 26 | - | - | 23 | 28 | - | - | 2.4LNA | 29 | - | - | 25 | 32 | - | - |
| 4X | 48 | 43 | 30 | 43 | 53 | 38 | 48 | 4X | 51 | 46 | 32 | 45 | 56 | 40 | 50 |
| 4.5LNA | 44 | 44 | 31 | 40 | 50 | 40 | 50 | 4.5LNA | 47 | 47 | 33 | 43 | 53 | 43 | 53 |
| 5.7LNA | 65 | 59 | 41 | 58 | 73 | 52 | 65 | 5.7LNA | 70 | 63 | 44 | 63 | 79 | 57 | 71 |
| 6.7LNA | 57 | 57 | 40 | 50 | 62 | 50 | 62 | 6.7LNA | 73 | 73 | 51 | 65 | 81 | 65 | 81 |
| 6.7LT | 120 | 106 | 74 | 103 | 129 | 91 | 113 | 6.7LT | 100 | 100 | 70 | 85 | 106 | 85 | 106 |
| 8.1LNA | 74 | 67 | 47 | 65 | 82 | 59 | 74 | 8.1LNA | 74 | 67 | 47 | 65 | 82 | 59 | 74 |
| 8.1LT | 145 | 131 | 92 | 130 | 162 | 117 | 146 | 8.1LT | 102 | 92 | 64 | 90 | 113 | 81 | 102 |
| 8.8LNA | 101 | 91 | 64 | 90 | 112 | 80 | 100 | 8.8LNA | 115 | 103 | 72 | 102 | 128 | 92 | 115 |
| 8.8LT | 123 | - | - | 109 | 137 | - | - | 8.8LT | - | - | - | - | - | - | - |
| 8.8LTCAC | 162 | - | - | 149 | 187 | - | - | 8.8LTCAC | 143 | - | - | 132 | 164 | - | - |
| 10NA | 102 | 102 | 71 | 87 | 108 | 87 | 108 | 10NA | 111 | 111 | 78 | 95 | 119 | 95 | 119 |
| 10LT | 230 | 212 | 148 | 209 | 261 | 192 | 240 | 10LT | 162 | 162 | 113 | 144 | 180 | 144 | 180 |
| 13LT | 250 | 234 | 164 | 223 | 279 | 209 | 261 | 13LT | 151 | 151 | 106 | 130 | 162 | 130 | 162 |
| 22LT | 397 | 340 | 238 | 360 | 450 | 299 | 374 | 22LT | 276 | 235 | 165 | 240 | 300 | 202 | 252 |
| 32LT | 600 | 510 | 357 | 557 | 696 | 471 | 589 | 32LT | 405 | 344 | 241 | 364 | 455 | 307 | 384 |
| 40LT | 740 | 666 | 466 | 681 | 851 | 611 | 764 | 40LT | 487 | 438 | 307 | 441 | 551 | 394 | 493 |
| 53LT | 987 | 888 | 622 | 894 | 1117 | 800 | 1000 | 53LT | 744 | 670 | 469 | 663 | 829 | 593 | 741 |

NOTES

- PowerKit scope of supply includes engine, standard radiator, air cleaner, and electronic governor, unless specified
- All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271 and using typical fan sizes and drive ratios. Performance tolerance of ±5%. Please refer to the specific engine datasheet for more information

- Electrical outputs are based on typical alternator efficiency and are for guidance only. kVA Figures are calculated using 0.8 Power Factor

REMARKS

Models with B in their name are BIOGAS engines
T/A-A Turbocharged & air-to-air aftercooled.
T/A-W Turbocharged & air-to-water aftercooled
 *All the PSI engines are water cooled

DEFINITIONS

COP

Continuous Power is the maximum power available for an unlimited period of use at a constant load factor. No overload capability is allowed.

PRP

Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

ESP

Emergency Standby Power is the maximum power available for a varying load for the duration of a main power network failure. The average load factor over 24 hours of operation should not exceed 70% of the engine's ESP power rating. Typical operational hours of the engine is 200 hours per year, with a maximum usage of 500 hours per year. This includes an annual maximum of 25 hours per year at the ESP power rating. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.

