

# OEM Industrial Ratings



## Tier 1/Stage I Engines

| Engine Model | Emission Level Tier | Displacement |         | Number of Cylinders | Number of Valves | Aspiration | Intermittent Power Rating |     | Rated Speed | Peak Power Rating |     | Peak Power | Rated Speed Torque |       | Continuous Rating |     | Peak Torque |       | Peak Torque | Bore |     | Stroke |     | Length |      | Width |      | Height |      | Weight |      |
|--------------|---------------------|--------------|---------|---------------------|------------------|------------|---------------------------|-----|-------------|-------------------|-----|------------|--------------------|-------|-------------------|-----|-------------|-------|-------------|------|-----|--------|-----|--------|------|-------|------|--------|------|--------|------|
|              |                     | L            | cu. in. |                     |                  |            | kW                        | hp  |             | kW                | hp  | RPM        | Nm                 | lb-ft | kW                | hp  | Nm          | lb-ft |             | mm   | in. | mm     | in. | mm     | in.  | mm    | in.  | mm     | in.  | kg     | lb.  |
| 3029D        | 1                   | 2.9          | 179     | 3                   | 2V               | Natural    | 36                        | 48  | 2500        | 37                | 50  | 2300       | 138                | 102   | 32                | 43  | 189         | 139   | 1000        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 519   | 20.4 | 819    | 32.2 | 316    | 696  |
| 3029D        | 1                   | 2.9          | 179     | 3                   | 2V               | Natural    | 43                        | 58  | 2500        | 43                | 58  | -          | 165                | 121   | 39                | 52  | 191         | 141   | 1600        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 519   | 20.4 | 819    | 32.2 | 316    | 696  |
| 3029T        | 1                   | 2.9          | 179     | 3                   | 2V               | Turbo      | 52                        | 70  | 2500        | 52                | 70  | -          | 199                | 147   | 47                | 63  | 239         | 176   | 1600        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 519   | 20.4 | 928    | 36.5 | 328    | 722  |
| 3029T        | 1                   | 2.9          | 179     | 3                   | 2V               | Turbo      | 59                        | 79  | 2500        | 59                | 79  | -          | 225                | 166   | 53                | 71  | 271         | 200   | 1800        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 519   | 20.4 | 928    | 36.5 | 328    | 722  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 36                        | 48  | 2250        | 37                | 50  | 2050       | 153                | 113   | 32                | 43  | 290         | 214   | 1000        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 53                        | 71  | 2500        | 53                | 71  | -          | 199                | 147   | 47                | 63  | 281         | 207   | 1000        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 58                        | 78  | 2200        | 58                | 78  | -          | 252                | 186   | -                 | -   | 310         | 229   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 60                        | 80  | 2500        | 60                | 80  | -          | 228                | 168   | 54                | 72  | 292         | 215   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 61                        | 82  | 2400        | 61                | 82  | -          | 243                | 179   | -                 | -   | 310         | 229   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 1                   | 4.5          | 276     | 4                   | 2V               | Natural    | 63                        | 84  | 2500        | 63                | 84  | -          | 241                | 178   | 57                | 76  | 302         | 223   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045T        | 1                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 66                        | 89  | 2200        | 66                | 89  | -          | 289                | 213   | -                 | -   | 374         | 276   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045T        | 1                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 73                        | 98  | 2200        | 73                | 98  | -          | 317                | 234   | -                 | -   | 406         | 299   | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045T        | 1                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 74                        | 99  | 2500        | 74                | 99  | -          | 283                | 209   | 67                | 90  | 372         | 274   | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045H        | 1                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 104                       | 140 | 2400        | 104               | 140 | -          | 414                | 305   | 94                | 126 | 498         | 367   | 1400        | 106  | 4.2 | 127    | 5.0 | 867    | 34.1 | 612   | 24.1 | 1000   | 39.4 | 396    | 872  |
| 6068D        | 1                   | 6.8          | 414     | 6                   | 2V               | Natural    | 93                        | 125 | 2500        | 93                | 125 | -          | 355                | 262   | 84                | 113 | 448         | 330   | 1200        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1025   | 40.2 | 522    | 1149 |
| 6068T        | 1                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 116                       | 156 | 2500        | 106               | 142 | 2300       | 463                | 341   | 104               | 140 | 578         | 426   | 1200        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 551    | 1212 |
| 6068T        | 1                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 127                       | 170 | 2500        | 127               | 170 | -          | 485                | 358   | 114               | 153 | 606         | 447   | 1200        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 551    | 1212 |
| 6068T        | 1                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 138                       | 185 | 2400        | 138               | 185 | -          | 549                | 409   | 124               | 166 | 656         | 484   | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 569    | 1252 |
| 6068H        | 1                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 157                       | 211 | 2400        | 157               | 211 | -          | 625                | 461   | 141               | 189 | 771         | 568   | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 623   | 24.5 | 1015   | 40.0 | 550    | 1210 |
| 6068H        | 1                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 168                       | 225 | 2400        | 168               | 225 | -          | 668                | 493   | 151               | 203 | 839         | 619   | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 623   | 24.5 | 1015   | 40.0 | 568    | 1250 |

## Engine Specifications

## Tier 2/Stage II Engines

| Engine Model | Emission Level Tier | Displacement |         | Number of Cylinders | Number of Valves | Aspiration | Intermittent Power Rating |     | Rated Speed | Peak Power Rating |     | Peak Power | Rated Speed Torque |     | Continuous Rating |     | Peak Torque |      | Peak Torque | Bore |     | Stroke |     | Length |      | Width |      | Height |      | Weight |      |
|--------------|---------------------|--------------|---------|---------------------|------------------|------------|---------------------------|-----|-------------|-------------------|-----|------------|--------------------|-----|-------------------|-----|-------------|------|-------------|------|-----|--------|-----|--------|------|-------|------|--------|------|--------|------|
|              |                     | L            | cu. in. |                     |                  |            | kW                        | hp  |             | RPM               | kW  | hp         | RPM                | Nm  | lb-ft             | kW  | hp          | Nm   | lb-ft       | RPM  | mm  | in.    | mm  | in.    | mm   | in.   | mm   | in.    | mm   | in.    | mm   |
| 3029T        | 2                   | 2.9          | 179     | 3                   | 2V               | Turbo      | 48                        | 64  | 2500        | 48                | 64  | -          | 183                | 135 | 43                | 58  | 225         | 166  | 1500        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 552   | 21.7 | 961    | 37.8 | 328    | 722  |
| 3029T        | 2                   | 2.9          | 179     | 3                   | 2V               | Turbo      | 53                        | 71  | 2500        | 53                | 71  | -          | 202                | 149 | 48                | 64  | 245         | 181  | 1600        | 106  | 4.2 | 110    | 4.3 | 716    | 28.2 | 552   | 21.7 | 961    | 37.8 | 328    | 722  |
| 4024T        | 2                   | 2.4          | 149     | 4                   | 2V               | Turbo      | 37                        | 49  | 2800        | 37                | 49  | -          | 123                | 91  | 31                | 41  | 175         | 129  | 1500        | 86   | 3.4 | 105    | 4.1 | 662    | 26.1 | 541   | 21.3 | 772    | 30.4 | 251    | 554  |
| 4024T        | 2                   | 2.4          | 149     | 4                   | 2V               | Turbo      | 46                        | 61  | 2800        | 46                | 61  | -          | 156                | 115 | 39                | 52  | 211         | 156  | 1600        | 86   | 3.4 | 105    | 4.1 | 662    | 26.1 | 541   | 21.3 | 772    | 30.4 | 251    | 554  |
| 4024T        | 2                   | 2.4          | 149     | 4                   | 2V               | Turbo      | 49                        | 66  | 2800        | 49                | 66  | -          | 168                | 124 | 42                | 56  | 221         | 163  | 1600        | 86   | 3.4 | 105    | 4.1 | 662    | 26.1 | 541   | 21.3 | 772    | 30.4 | 251    | 554  |
| 4045D        | 2                   | 4.5          | 276     | 4                   | 2V               | Natural    | 55                        | 74  | 2500        | 55                | 74  | -          | 211                | 156 | 50                | 67  | 283         | 209  | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045D        | 2                   | 4.5          | 276     | 4                   | 2V               | Natural    | 60                        | 80  | 2500        | 60                | 80  | -          | 229                | 169 | 54                | 72  | 296         | 218  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 846    | 33.3 | 387    | 851  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 2V               | Air-to-Air | 86                        | 115 | 2000        | 86                | 115 | -          | 411                | 303 | 77                | 103 | 498         | 367  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 2V               | Air-to-Air | 93                        | 125 | 2200        | 93                | 125 | -          | 404                | 298 | 84                | 113 | 498         | 367  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 2V               | Air-to-Air | 93                        | 125 | 2400        | 93                | 125 | -          | 370                | 273 | 84                | 113 | 463         | 341  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 2V               | Air-to-Air | 104                       | 140 | 2200        | 104               | 140 | -          | 451                | 333 | 94                | 126 | 540         | 398  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 2V               | Air-to-Air | 104                       | 140 | 2400        | 104               | 140 | -          | 414                | 305 | 94                | 126 | 498         | 367  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 4V               | Air-to-Air | 119                       | 160 | 2200        | 123               | 165 | 2000       | 517                | 381 | 107               | 143 | 645         | 476  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 4V               | Air-to-Air | 129                       | 173 | 2200        | 129               | 173 | -          | 560                | 413 | 116               | 156 | 700         | 516  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045H        | 2                   | 4.5          | 276     | 4                   | 4V               | Air-to-Air | 129                       | 173 | 2400        | 134               | 180 | 2200       | 513                | 378 | 116               | 156 | 645         | 476  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045T        | 2                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 63                        | 84  | 2500        | 63                | 84  | -          | 241                | 178 | 57                | 76  | 331         | 244  | 1200        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045T        | 2                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 74                        | 99  | 2200        | 74                | 99  | -          | 321                | 237 | 67                | 90  | 389         | 287  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045T        | 2                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 74                        | 99  | 2500        | 74                | 99  | -          | 283                | 209 | 67                | 90  | 369         | 272  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 396    | 872  |
| 4045T        | 2                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 82                        | 110 | 2400        | 82                | 110 | -          | 326                | 240 | 74                | 99  | 392         | 289  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 4045T        | 2                   | 4.5          | 276     | 4                   | 2V               | Turbo      | 86                        | 115 | 2500        | 86                | 115 | -          | 328                | 242 | 77                | 103 | 394         | 291  | 1400        | 106  | 4.2 | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 994    | 39.1 | 451    | 993  |
| 5030H        | 2                   | 3.0          | 186     | 5                   | 2V               | Turbo      | 74                        | 99  | 2800        | 74                | 99  | -          | 253                | 186 | 63                | 84  | 343         | 253  | 1400        | 86   | 3.4 | 105    | 4.1 | 800    | 31.5 | 541   | 21.3 | 800    | 31.5 | 287    | 633  |
| 5030T        | 2                   | 3.0          | 186     | 5                   | 2V               | Turbo      | 56                        | 75  | 2800        | 56                | 75  | -          | 192                | 141 | 48                | 64  | 264         | 195  | 1500        | 86   | 3.4 | 105    | 4.1 | 800    | 31.5 | 541   | 21.3 | 800    | 31.5 | 287    | 633  |
| 5030T        | 2                   | 3.0          | 186     | 5                   | 2V               | Turbo      | 62                        | 83  | 2800        | 62                | 83  | -          | 210                | 155 | 52                | 70  | 287         | 211  | 1500        | 86   | 3.4 | 105    | 4.1 | 800    | 31.5 | 541   | 21.3 | 800    | 31.5 | 287    | 633  |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 129                       | 173 | 2000        | 129               | 173 | -          | 616                | 454 | 116               | 156 | 740         | 546  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 138                       | 185 | 2400        | 138               | 185 | -          | 549                | 405 | 124               | 166 | 714         | 527  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 149                       | 200 | 2200        | 149               | 200 | -          | 647                | 477 | 134               | 180 | 809         | 597  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 149                       | 200 | 2400        | 149               | 200 | -          | 593                | 438 | 134               | 180 | 771         | 569  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 157                       | 211 | 2000        | 157               | 211 | -          | 751                | 554 | 141               | 189 | 900         | 664  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 168                       | 225 | 2200        | 168               | 225 | -          | 729                | 538 | 151               | 203 | 911         | 672  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 168                       | 225 | 2400        | 168               | 225 | -          | 668                | 493 | 151               | 203 | 835         | 616  | 1400        | 106  | 4.2 | 127    | 5.0 | 1123   | 44.2 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 2V               | Air-to-Air | 187                       | 250 | 2400        | 187               | 250 | -          | 744                | 549 | 168               | 225 | 930         | 686  | 1400        | 106  | 4.2 | 127    | 5.0 | 1161   | 45.7 | 637   | 25.0 | 1036   | 40.8 | 587    | 1294 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 4V               | Air-to-Air | 187                       | 250 | 2200        | 187               | 250 | -          | 812                | 599 | 168               | 225 | 1025        | 756  | 1400        | 106  | 4.2 | 127    | 5.0 | 1161   | 45.7 | 627   | 24.7 | 1044   | 41.1 | 593    | 1306 |
| 6068H        | 2                   | 6.8          | 414     | 6                   | 4V               | Air-to-Air | 205                       | 275 | 2400        | 205               | 275 | -          | 816                | 602 | 185               | 248 | 1025        | 756  | 1400        | 106  | 4.2 | 127    | 5.0 | 1161   | 45.7 | 627   | 24.7 | 1044   | 41.1 | 593    | 1306 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 101                       | 135 | 2200        | 101               | 135 | -          | 438                | 323 | 91                | 122 | 554         | 409  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 104                       | 140 | 2000        | 104               | 140 | -          | 497                | 366 | 94                | 126 | 596         | 439  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 112                       | 150 | 2200        | 112               | 150 | -          | 485                | 358 | 101               | 135 | 609         | 449  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 116                       | 156 | 2500        | 116               | 156 | -          | 443                | 327 | 104               | 140 | 554         | 409  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 123                       | 165 | 2400        | 123               | 165 | -          | 489                | 361 | 111               | 149 | 587         | 433  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6068T        | 2                   | 6.8          | 414     | 6                   | 2V               | Turbo      | 127                       | 170 | 2500        | 127               | 170 | -          | 485                | 358 | 114               | 153 | 582         | 429  | 1400        | 106  | 4.2 | 127    | 5.0 | 1116   | 43.9 | 623   | 24.5 | 1012   | 39.9 | 587    | 1294 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 149                       | 200 | 2200        | 160               | 214 | 2000       | 647                | 477 | 149               | 200 | 873         | 644  | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 168                       | 225 | 2200        | 180               | 241 | 2000       | 729                | 538 | 168               | 225 | 984         | 726  | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 186                       | 250 | 2200        | 200               | 268 | 2000       | 812                | 599 | 186               | 250 | 1095        | 808  | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 205                       | 275 | 2200        | 219               | 294 | 2000       | 890                | 656 | 205               | 275 | 1200        | 885  | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 224                       | 300 | 2200        | 239               | 321 | 2000       | 972                | 717 | 205               | 275 | 1312        | 968  | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 242                       | 325 | 2200        | 260               | 348 | 2000       | 1052               | 776 | 205               | 275 | 1425        | 1051 | 1600        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6081H        | 2                   | 8.1          | 496     | 6                   | 2V               | Air-to-Air | 261                       | 350 | 2200        | 261               | 350 | -          | 1133               | 836 | 205               | 275 | 1424        | 1050 | 1500        | 116  | 4.6 | 129    | 5.1 | 1210   | 47.6 | 599   | 23.5 | 1152   | 45.4 | 776    | 1711 |
| 6125H        | 2                   | 12.5         | 766     | 6                   | 4V               | Air-to-Air | 224                       | 300 |             |                   |     |            |                    |     |                   |     |             |      |             |      |     |        |     |        |      |       |      |        |      |        |      |





Tier 3/Stage III A Engines

74 kW (100 hp) and Above

OEM Industrial Ratings

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| PowerTech™<br>Family | Engine<br>Model | Emission<br>Level<br>Tier | Displacement |         | Number<br>of<br>Cylinders | Number<br>of<br>Valves | Aspiration | Intermittent<br>Power<br>Rating |     | Rated<br>Speed | Peak Power<br>Rating |     | Peak<br>Power | Rated Speed<br>Torque |     | Peak<br>Torque |       | Peak<br>Torque | Bore |       | Stroke |     | Length |      | Width |      | Height |      | Weight |      |
|----------------------|-----------------|---------------------------|--------------|---------|---------------------------|------------------------|------------|---------------------------------|-----|----------------|----------------------|-----|---------------|-----------------------|-----|----------------|-------|----------------|------|-------|--------|-----|--------|------|-------|------|--------|------|--------|------|
|                      |                 |                           | L            | cu. in. |                           |                        |            | kW                              | hp  |                | RPM                  | kW  |               | hp                    | RPM | Nm             | lb-ft |                | Nm   | lb-ft | RPM    | mm  | in.    | mm   | in.   | mm   | in.    | mm   | in.    | mm   |
| PowerTech E          | 4045H           | 3                         | 4.5          | 276     | 4                         | 2V                     | Air-to-Air | 86                              | 115 | 2400           | 86                   | 115 | -             | 341                   | 252 | 445            | 328   | 1500           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 632   | 24.9 | 994    | 39.1 | 457    | 1008 |
| PowerTech E          | 4045H           | 3                         | 4.5          | 276     | 4                         | 2V                     | Air-to-Air | 86                              | 115 | 2200           | 89                   | 119 | 2000          | 372                   | 275 | 481            | 355   | 1500           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 632   | 24.9 | 994    | 39.1 | 457    | 1008 |
| PowerTech E          | 4045H           | 3                         | 4.5          | 276     | 4                         | 2V                     | Air-to-Air | 93                              | 125 | 2400           | 93                   | 125 | -             | 371                   | 274 | 481            | 355   | 1500           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 632   | 24.9 | 994    | 39.1 | 457    | 1008 |
| PowerTech E          | 4045H           | 3                         | 4.5          | 276     | 4                         | 2V                     | Air-to-Air | 93                              | 125 | 2200           | 99                   | 133 | 2000          | 405                   | 298 | 525            | 387   | 1500           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 632   | 24.9 | 994    | 39.1 | 457    | 1008 |
| PowerTech E          | 4045H           | 3                         | 4.5          | 276     | 4                         | 2V                     | Air-to-Air | 104                             | 140 | 2400           | 104                  | 140 | -             | 414                   | 305 | 525            | 387   | 1500           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 632   | 24.9 | 994    | 39.1 | 457    | 1008 |
| PowerTech Plus       | 4045H           | 3                         | 4.5          | 276     | 4                         | 4V                     | Air-to-Air | 111                             | 149 | 2000           | 116                  | 155 | 1800          | 530                   | 391 | 645            | 476   | 1400           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 1039   | 40.9 | 491    | 1082 |
| PowerTech Plus       | 4045H           | 3                         | 4.5          | 276     | 4                         | 4V                     | Air-to-Air | 116                             | 155 | 2200           | 125                  | 167 | 2000          | 500                   | 369 | 645            | 476   | 1400           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 1039   | 40.9 | 491    | 1082 |
| PowerTech Plus       | 4045H           | 3                         | 4.5          | 276     | 4                         | 4V                     | Air-to-Air | 116                             | 155 | 2400           | 116                  | 155 | -             | 460                   | 339 | 574            | 423   | 1400           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 1039   | 40.9 | 491    | 1082 |
| PowerTech Plus       | 4045H           | 3                         | 4.5          | 276     | 4                         | 4V                     | Air-to-Air | 129                             | 173 | 2400           | 129                  | 173 | -             | 513                   | 379 | 645            | 476   | 1400           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 1039   | 40.9 | 491    | 1082 |
| PowerTech Plus       | 4045H           | 3                         | 4.5          | 276     | 4                         | 4V                     | Air-to-Air | 138                             | 185 | 2400           | 138                  | 185 | -             | 549                   | 405 | 645            | 476   | 1400           | 106  | 4.2   | 127    | 5.0 | 860    | 33.9 | 612   | 24.1 | 1039   | 40.9 | 491    | 1082 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 104                             | 140 | 2400           | 104                  | 140 | -             | 415                   | 306 | 538            | 397   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 104                             | 140 | 2200           | 111                  | 149 | 2000          | 453                   | 334 | 598            | 441   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 116                             | 155 | 2400           | 116                  | 155 | -             | 460                   | 339 | 598            | 441   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 116                             | 155 | 2200           | 124                  | 166 | 2000          | 502                   | 370 | 667            | 492   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 129                             | 173 | 2400           | 129                  | 173 | -             | 513                   | 379 | 667            | 492   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 129                             | 173 | 2200           | 132                  | 177 | 2000          | 560                   | 413 | 714            | 527   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 138                             | 185 | 2400           | 138                  | 185 | -             | 549                   | 405 | 714            | 527   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 138                             | 185 | 2200           | 144                  | 193 | 2000          | 599                   | 442 | 785            | 579   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech E          | 6068H           | 3                         | 6.8          | 414     | 6                         | 2V                     | Air-to-Air | 149                             | 200 | 2400           | 149                  | 200 | -             | 593                   | 438 | 785            | 579   | 1500           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 657   | 25.9 | 1036   | 40.8 | 596    | 1314 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 134                             | 180 | 2000           | 138                  | 185 | 1600          | 639                   | 471 | 838            | 618   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 138                             | 185 | 2400           | 138                  | 185 | -             | 549                   | 405 | 690            | 509   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 138                             | 185 | 2200           | 144                  | 193 | 2000          | 599                   | 442 | 744            | 549   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 138                             | 185 | 2200           | 151                  | 202 | 1800          | 599                   | 442 | 838            | 618   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 144                             | 193 | 2000           | 152                  | 204 | 1700          | 687                   | 507 | 934            | 689   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 144                             | 193 | 2000           | 151                  | 202 | 1800          | 687                   | 507 | 838            | 618   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 149                             | 200 | 2400           | 149                  | 200 | -             | 592                   | 437 | 744            | 549   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 149                             | 200 | 2200           | 162                  | 217 | 2000          | 647                   | 477 | 838            | 618   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 149                             | 200 | 2200           | 168                  | 225 | 1800          | 647                   | 477 | 934            | 689   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 162                             | 217 | 2000           | 168                  | 225 | 1800          | 776                   | 572 | 1024           | 755   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 162                             | 217 | 2000           | 168                  | 225 | 1800          | 776                   | 572 | 934            | 689   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 168                             | 225 | 2400           | 168                  | 225 | -             | 668                   | 492 | 838            | 618   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 168                             | 225 | 2200           | 181                  | 243 | 2000          | 728                   | 537 | 934            | 689   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 168                             | 225 | 2200           | 185                  | 248 | 1800          | 728                   | 537 | 1024           | 755   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     | Air-to-Air | 181                             | 243 | 2000           | 185                  | 248 | 1800          | 863                   | 637 | 1024           | 755   | 1400           | 106  | 4.2   | 127    | 5.0 | 1123   | 44.2 | 611   | 24.1 | 1058   | 41.7 | 643    | 1418 |
| PowerTech Plus       | 6068H           | 3                         | 6.8          | 414     | 6                         | 4V                     |            |                                 |     |                |                      |     |               |                       |     |                |       |                |      |       |        |     |        |      |       |      |        |      |        |      |