

ENGINE Spec Guide

A SUPPLEMENT TO *OEM Off-Highway*
May/June 2023

INCLUDES THE MOST
UP-TO-DATE ENGINE SPECS
FOR THE ON- AND
OFF-HIGHWAY MARKETS

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Digital Solutions



DIGITALIZATION

Efficiency and Profitability for Compact Machines

Hatz continues to expand its digital offerings, with Hatz Digital Solutions. This technology makes it possible to maximize the profitability of operating equipment and for efficient fleet management. This fleet management system supplies structured information such as engine health and operating status, fuel consumption, and the physical location of digitally connected Hatz Engines. Hatz Digital solutions is the perfect addition to full range of Hatz Electronically controlled engines, Hatz Powered Equipment and Fleets.

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**CREATING
POWER
SOLUTIONS**

HATZ



H-Series

1500-3000 rpm
25-74hp
EU V, US T4f



1D90E

1500-3000 rpm
7.6-14.1hp
EU V, US T4f



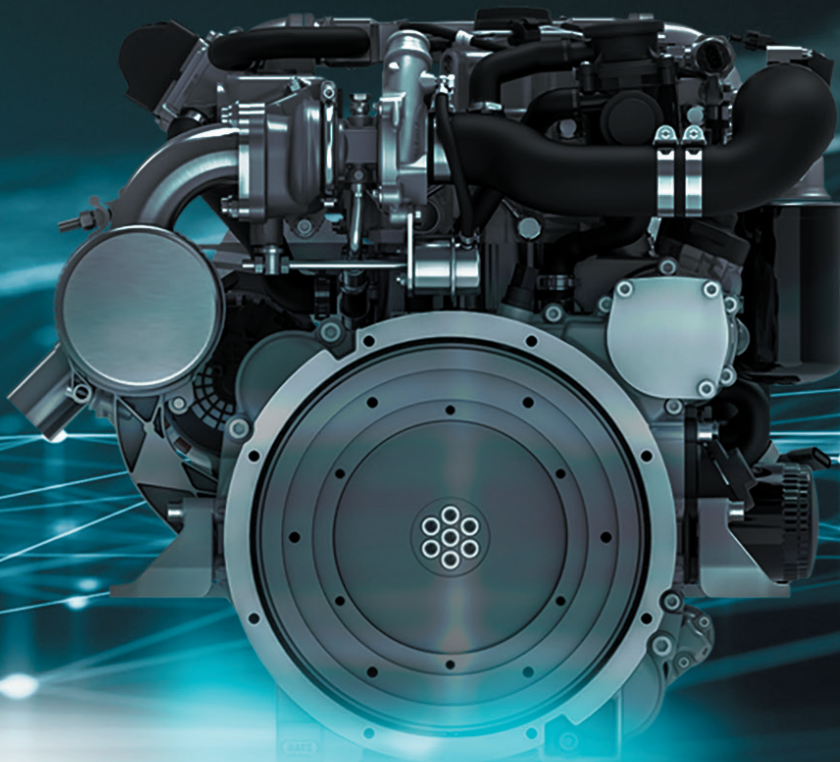
1B30E

1500-3600 rpm
2.8-6hp
EU V, US T4f



Hybrid Generator

28V or 56V DC
120V AC
EU V, US T4f



| hp Range Category | hp | Disp. liters (l) | Torque (lbs.-ft.) | Fuel | Tier Reg. Compliant Emissions Certifications | Aftertreatment |
|-------------------|-------------|------------------|-------------------|----------------------------------|--|--------------------|
| 0 - 10 hp | 1.5 | 0.347 | | D | Tier 4 /Stage V | DOC |
| | 1.75 | 0.08 | 3.30 | gas | EPA Phase III, CARB Tier III | N/A |
| | 5 | 0.169 | | G | Tier III, Phase 3 | |
| | 6.0 | 0.347 | 10.8 | D | Tier 4/Stage V | DOC |
| | 6.9 | 0.325 | 13.0 | D | Tier 4 | NA |
| | 8.4 | 0.270 | 14.1 | G | EPA Phase 3 | |
| | 10.6 | 0.52 | 18.9 | D | Tier 4/Stage V | DOC |
| 11 - 24 hp | 11.7 | 0.390 | 19.5 | G | EPA Phase 3 | |
| | 11.8 | 0.51 | 22 | D | Tier 4 Final, Stage 5 | - |
| | 11.8 - 23.9 | 0.99 - 1.6 | 36.5 - 45.1 | D | EPA Tier 4F | N/A |
| | 12.0 | 0.952 | | diesel | Tier 4 Final | No |
| | 14 | 0.408 | | G | Tier III, Phase 3 | |
| | 15.00 | 0.48 | 24.50 | gas | EPA Phase III | catalyst |
| | 16 | 0.479 | | G | Tier III, Phase 3 | |
| | 16.8 | 0.599 | 27.9 | D | Tier 4 | NA |
| | 17.8 | 0.76 | 32 | D | Tier 4 Final, Stage 5 | - |
| | 23.8 | 1.3 | | diesel | Tier 4 Final | No |
| | 24.9 | 0.779 | 40.2 | G | EPA Phase 3/CARB Tier 3 | |
| 25 - 48 hp | 25 | 1.1 | 63 | D | Tier 4 Final, Stage 5 | - |
| | 25 | 2.2 | 92 | D | Tier 4 Final | - |
| | 27.4 | 0.960 | 46.5 | Compressed Natural Gas | EPA Phase 3, CARB Phase 4, Stage V | Three Way Catalyst |
| | 28 | 0.810 | | G | Tier III, Phase 3 | |
| | 33.0 | 1.49 | 87.4 | D | Tier 4, Stage V | DOC + DPF |
| | 36 | 0.990 | | G | Tier III, Phase 3 | |
| | 40 - 48 | 2.2 | 117.3 - 158.6* | D | EPA Tier 4F | DOC |
| | 47.6 | 2.19 | 107.8 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF |
| | 48 | 1.7 | 123 | D | Tier 4 Final, Stage 5 | DOC, DPF |
| | 48 - 73 | 2.9 | 142 - 224 | D | EPA Final Tier 4 / EU Stage V | DOC/DPF |
| 49 - 74 hp | 49 - 74 | 2.8 | 147 - 221 | B20 | Tier 4 Final/Stage 3B | DOC |
| | 49 | 2.33 | 101 | D | Tier 3 | none |
| | 49.6 | 1.826 | 111.0 | D | Tier 4, Stage V | DOC + DPF |
| | 50 | 2.9 | 108 | D | Tier 4 final | DOC |
| | 53.5 | 2 | 102.8 | Gasoline, LPG | | |
| | 53.8 | 1.568 | 145.3 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF |
| | 58 | 3.2 | 150.5 | D | Tier 3 | none |
| | 58.6 | 1.464 | 149.7 | D | Tier 4/Stage V | DOC, DPF, cEGR |
| | 59 | 2.8 | 250 | D | EPA Tier 4B, EU Stage V | DOC+DPF |
| | 60 | 1.80 | 122 | Diesel | Tier 4 Final | DOC |
| | 64 | 3.62 | 140 | D | Tier 3 | none |
| | 64.6 | 1.464 | 149.0 | D | Tier 2 | NONE REQ |
| | 65.2 | 2.434 | 146.4 | D | Tier 4, Stage V | DOC + DPF |
| | 66.8 | 2.4 | 125.2 | Gasoline, LPG, NG | | |
| | 67 | 3.62 | 155 | D | Tier 3 | none |
| | 70 - 98 | 3 | 188.1 - 276.5* | D | EPA Tier 4F | DOC or DOC & SCR |
| | 73.77 | 3 | 325 | D | EU Stage V | DPF |
| | 74 | 2.2 | 199 | D | Tier 4 Final, Stage 5 | DOC, DPF |
| | 74 | 3.40 | 234 | Diesel | Tier 4 Final | DOC |
| 74.3 | 3.769 | 198.4 | Natural Gas | EPA Tier 2, CARB Tier 3, Stage V | Three Way Catalyst | |
| 74.4 | 2.091 | 194 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF | |

| Dimensions (in.) | | | Weight Wet (lbs.) | Weight Dry (lbs.) | Family/Series | Model | Company |
|------------------|------------|------------|-------------------|-------------------|---------------------------------------|-----------------------|-----------------------------------|
| L | W | H | | | | | |
| 13.0 | 15.1 | 16.9 | | 130 | B Electronically Controlled | 1B30E - PMG | Hatz |
| 9.4 | 12.6 | 11.5 | | 21.6 | PLMH | CMXX Commercial 79cc | LCT, Private label |
| 10.8 | 14.4 | 14.2 | | 40 | Vanguard | 160 (h/s) | Briggs & Stratton Corporation |
| 14.7 | 18.1 | 15.2 | | 94.4 | B vertical, electronically controlled | 1B30VE | Hatz |
| 12.3 | 22.3 | 18.0 | | 120.0 | EA | EA330-E4 | Kubota |
| 67.1 | 55.0 | 15.0 | 16.9 | 16.6 | iGX | iGX270 | Honda |
| 14.4 | 16.2 | 18.9 | | 126.8 | B electronically controlled | 1B50E | Hatz |
| 91.7 | 80.1 | 16.1 | 19.1 | 17.6 | iGX | iGX390 | Honda |
| 16.02 | 14.61 | 20.59 | | 126 | 400 Series | 402J-05 | Perkins |
| 21.3-22.6* | 16.1-20.2* | 21.9-26.9* | | 227-348* | 3C Series | | Isuzu |
| 21.9 | 16.7 | 19.7 | | 192 | L Series | L3E | Mitsubishi |
| 14.3 | 21.3 | 18.6 | | 87 | Vanguard | 400 EFI/ETC (h/s) | Briggs & Stratton Corporation |
| 15.5 | 18.4 | 17.2 | | 72.0 | PLMH | CMXX Commercial 479cc | LCT, Private label |
| 11.0 | 16.1 | 17.2 | | 72 | Vanguard | Small Block (v/s) | Briggs & Stratton Corporation |
| 13.8 | 15.8 | 21.4 | | 120.0 | Super Mini | Z602-E4 | Kubota |
| 18.90 | 14.61 | 20.79 | | 157 | C0.7 | C0.7 | Caterpillar |
| 22.4 | 17.2 | 22.5 | | 320 | SL Series | S3L2 | Mitsubishi |
| 110.2 | 106.3 | 13.1 | 19.4 | 17.2 | GX V-Twin | iGX800** | Honda |
| 19.69 | 20.20 | 23.15 | | 240 | C1.1 | C1.1 | Caterpillar |
| 22.7 | 21.7 | 28.5 | | 441 | 2.2 | D 2.2 L3 | DEUTZ |
| 19.5 | 15.4 | 19.8 | | 170.0 | Super Mini | WG972-N-E4 | Kubota |
| 19.9 | 18.5 | 22.9 | | 92 | Vanguard | 810cc (v/s) | Briggs & Stratton Corporation |
| 30.2 | 18.3 | 27.0 | | 373.0 | 05 Series | V1505T-CR-E5 | Kubota |
| 23.6 | 20.2 | 24.7 | | 125 | Vanguard | BIG BLOCK™ (v/s) | Briggs & Stratton Corporation |
| 29.8 | 24.05 | 30.4 | | 397 | 4L Series | | Isuzu |
| 28.6 | 22.4 | 34.0 | | 473.0 | TNV | 4TNV88C | YANMAR |
| 28.06 | 21.06 | 28.42 | | 419 | C1.7 | C1.7 | Caterpillar |
| 28 | 24 | 38 | 882 | | EWX 2.9L | 3029H1530 | John Deere Power Systems |
| 28.5 | 24.6 | 31.3 | | 538 | F | QSF2.8 | Cummins |
| 24.09 | 17.64 | 26.5 | | 478 | 2011 | D 2011 L3i | DEUTZ |
| 29.4 | 21.1 | 29.2 | | 432.0 | 03 Series | D1803-CR-TE5 | Kubota |
| 26.7 | 19 | 27.8 | | 485 | 2.9 | D 2.9 | DEUTZ |
| 24.75 | 24.63 | 28.96 | 443 | | Power Solutions International (PSI) | Industrial | PSI |
| 24.0 | 22.8 | 34.4 | | 436.0 | TNV | 3TN86CHT | YANMAR |
| 27.87 | 26.22 | 31.34 | | 611 | 914 | D 914 L3 | DEUTZ |
| 23.0 | 22.0 | 23.7 | | 309.0 | H | 3H50TICD | Hatz |
| 1.0153 | 0.9300 | 1.2757 | | 551 | F28 | F28 | FPT Industrial |
| 29.8 | 21.9 | 28.7 | | 529 | G2 | D18 | Hyundai Doosan Infracore Co., LTD |
| 28.82 | 17.64 | 28.07 | | 595 | 2011 | D 2011 L4i | DEUTZ |
| 23.0 | 22.4 | 23.7 | | 293.0 | H | 3H50TI | Hatz |
| 33.1 | 21.3 | 28.9 | | 514.0 | 03 Series | V2403-CR-TE5 | Kubota |
| 24.75 | 24.63 | 29.2 | 421 | | Power Solutions International (PSI) | Industrial | PSI |
| 28.35 | 19.13 | 28 | | 595 | 2011 | D 2011 L4w | DEUTZ |
| 35.87 | 29.7 | 33.35 | | 728 | 4J Series | | Isuzu |
| 32.2 | 26.7 | 47.5 | | 1047 | DIESELMAX 430 TCAE | TCAE | JCB Power Systems |
| 31.81 | 21.06 | 29.84 | | 534 | 400 Series | 404J-E22TA | Perkins |
| 33.0 | 25.9 | 32.5 | | 922 | G2 | D34 | Hyundai Doosan Infracore Co., LTD |
| 27.6 | 22.8 | 31.5 | | 635.0 | V3 Series | WG3800-N-E3 | Kubota |
| 26.4 | 21.9 | 38.0 | | 535.0 | TNV | 4TN86CHT | YANMAR |

FUEL KEY:

G = Gas
D = Diesel
P = Propane
B# = % of Biofuel
TF = Tri-Fuel

NG = Natural Gas
CNG = Compressed Natural Gas
LNG = Liquefied Natural Gas
RNG = Renewable Natural Gas
LPG = Liquefied Petroleum Gas



Many engines have constant-speed capabilities. For more information about this, contact the engine manufacturer.

| hp Range Category | hp | Disp. liters (l) | Torque (lbs.-ft.) | Fuel | Tier Reg. Compliant Emissions Certifications | Aftertreatment |
|-------------------|------------|------------------|-------------------|----------|--|-------------------------------|
| 75-99 hp | 75 | 2.9 | 192 | D | Tier 4 final | DOC |
| | 75 | 3.4 | 424 | D | EPA Tier 4B, EU Stage V | DOC+DPF |
| | 75 - 85 | 4.5L | 203 - 223 | D | EPA Tier 3 / EU Stage III A | N/A |
| | 76.8 | 3 | | Gasoline | | |
| | 78 | 4.3 | 201.4 | D | Tier 3 | none |
| | 80 | 3.40 | 200 | LPG | Stage5 | Three-way Catalyst |
| | 83 | 3.2 | 320 | D | EPA Tier 3, EU Stage IIIA | E-EGR |
| | 84.48 | 4.4 | 267 | D | UN III | Not Required |
| | 85.4 | 1.952 | 197.7 | D | Tier 2 | NONE REQ |
| | 86 | 3.6 | 354 | D | EPA Tier 4B, EU Stage V | DOC+DPF+SCR |
| | 88.5 | 4.04 | 258 | D | Tier 3 | none |
| | 88.5 | 3.33 | | diesel | Tier 3 Stationary Emergency | No |
| | 90 | 4.5 | 400 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 91 | 3.62 | 206.5 | D | Tier 3 | none |
| | 91.99 | 4.4 | 301 | D | UN III | Not Required |
| | 93.9 | 3.769 | 213.9 | LPG | EPA Tier 2, CARB Tier 3, Stage V Ready | Three Way Catalyst |
| | 95 | 3.2 | 380 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 97.2 | 5.4 | 248.6 | D | Tier 3 | none |
| | 99 | 4.5L | 270 - 282 | D | EPA Tier 3 / EU Stage III A | N/A |
| | 100-157 hp | 100 | 3.62 | 258.2 | D | Tier 3 |
| 100 - 140 | | 4.5L | 246 - 399 | D | EPA Final Tier 4 | DOC/SCR |
| 101 - 173 | | 4.2 | 295 - 498 | D | EPA Tier 3 compl. / EU Stage IIIA compl. | not required |
| 102 | | 3.6 | 433 | D | EPA Tier 4B, EU Stage V | DOC+DPF+SCR |
| 103.2 | | 3.8 | 328.2 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF / SCR |
| 108.62 | | 4.8 | 381 | D | EU Stage V | DOC/SCRf |
| 115.9 | | 3.77 | 284.0 | D | Tier 4 / Stage V | DOC + DPF + SCR |
| 116 | | 6.5 | 276.6 | D | Tier 3 | none |
| 120.6 | | 4.6 | 444 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF / SCR |
| 121 | | 4.5 | 549 | D | EPA Tier 4B, EU Stage V | DOC + SCRof |
| 121 - 173 | | 4.5 | 347 - 520 | B20 | Tier 4 Final/Stage IV | DOC-SCR |
| 124.72 | | 4.4 | 406 | D | EPA Tier 4 | SCR |
| 125 - 173 | | 4.5L | 396 - 492 | D | EPA Final Tier 4 | DOC/SCR |
| 126 | | 4.5 | 525 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| 127 - 173 | | 4.8 | 370 - 590 | D | EPA Tier 4i compl./ EU Stage IIIB compl. | SCR Technology |
| 130 | | 3 | 350 | D | Euvo VI E | EGR + DOC + SCRof + SCR + CUC |
| 138 | | 4.04 | 384 | D | Tier 3 | none |
| 140 | | 4.5 | 645 | D | EPA Tier 4B, EU Stage V | DOC + SCRof |
| 140 - 173 | | 6.8L | 397 - 579 | D | EPA Tier 3 / EU Stage III A | N/A |
| 140.8 | | 3.8 | 405.6 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF / SCR |
| 144.83 | | 4.8 | 413 | D | EPA Tier 4 | SCR |
| 150.19 | | 4.8 | 443 | D | EU Stage V | DOC/SCRf |
| 154 | | 4.1 | 450 | D | Tier 4 final | DPF + SCR |
| 154 - 173 | | 5.13 | 498 - 701 | D | EPA Tier 4 / EU Stage V | SCR + DPF |
| 156 - 173 | | 4.5L | 455 - 492 | D | EPA Final Tier 4 / EU Stage V | DOC/DPF/SCR |
| 157 - 173 | | 14 | 548 | NG | SI NSPS Compliant Capable | "Rich Burn, 3-Way Catalyst" |

| Dimensions (in.) | | | Weight Wet (lbs.) | Weight Dry (lbs.) | Family/Series | Model | Company |
|------------------|-------------|-------------|-------------------|-------------------|-------------------------------------|----------------|-----------------------------------|
| L | W | H | | | | | |
| 26.7 | 22 | 27.8 | | 522 | 2.9 | TD 2.9 | DEUTZ |
| 1.1067 | 0.9316 | 1.3206 | | 695 | F5 series | F34 | FPT Industrial |
| 34 | 24 | 34 | 851 | | M 4.5L | 4045TF280 | John Deere Power Systems |
| 25.3 | 18 | 24.5 | 417 | | Power Solutions International (PSI) | Industrial | |
| 32.99 | 26.22 | 31.5 | | 677 | 914 | D 914 L4 | DEUTZ |
| 27.1 | 28.0 | 30.6 | | 677 | G2 | P34 | Hyundai Doosan Infracore Co., LTD |
| 27.9527568 | 23.26771728 | 30.62992224 | | | F5 series | F32 MNS | FPT Industrial |
| 32 | 23.3 | 34.6 | | 1025 | DIESELMAX 444 TC | TC | JCB Power Systems |
| 26.4 | 22.4 | 23.7 | | 335.0 | H | 4H50TI | Hatz |
| 1.1067 | 0.9316 | 1.3206 | | 706 | F5 series | F36 | FPT Industrial |
| 30.16 | 24.72 | 32.48 | | 882 | 2012 | TD 2012 L4m | DEUTZ |
| 29.0 | 23.1 | 32.8 | | 628 | D Series | D04EG | Mitsubishi |
| 31.77165456 | 25.31496144 | 38.70078864 | | | NEF series | N45 MNS | FPT Industrial |
| 28.35 | 20.51 | 28 | | 593 | 2011 | TD 2011 L4w | DEUTZ |
| 32 | 23.3 | 34.6 | | 1025 | DIESELMAX 444 TC | TC | JCB Power Systems |
| 27.6 | 22.8 | 31.5 | | 635.0 | V3 Series | WG3800-L-E3 | Kubota |
| 28.543308 | 23.622048 | 31.2992136 | | | F5 series | F32 MNT | FPT Industrial |
| 37.99 | 25.87 | 32.83 | | 838 | 914 | D 914 L5 | DEUTZ |
| 34 | 24 | 34 | 851 | | M 4.5L | 4045HF280 | John Deere Power Systems |
| 28.35 | 20.98 | 27.99 | | 593 | 2011 | TCD 2011 L4w | DEUTZ |
| 34 | 27 | 42 | 1191 | | PWL 4.5L | 4045HFC04 | John Deere Power Systems |
| 33 | 26 | 37 | | 870 | Series 900 | 4R 904 C01 | MTU |
| 1.1067 | 0.9316 | 1.3206 | | 706 | F5 series | F36 | FPT Industrial |
| 35.0 | 24.8 | 34.2 | | 925.9 | TN | 4TN101FHT | YANMAR |
| 38.5 | 30.5 | 48.9 | | 1367 | DIESELMAX 448 TCAE | TCAE | JCB Power Systems |
| 33.3 | 25.7 | 46.9 | | 882.0 | V3 Series | V3800-CR-TI-E5 | Kubota |
| 42.68 | 26.06 | 34.25 | | 926 | 914 | D 914 L6 | DEUTZ |
| 37.0 | 25.5 | 37.0 | | 1190.4 | TN | 4TN107FHT | YANMAR |
| 1.2648 | 1.0649 | 1.6260 | | 886 | NEF series | N45 | FPT Industrial |
| 34 | 28.4 | 38.5 | | 833 | B | QSB4.5 | Cummins |
| 35 | 31.5 | 46 | | 1095 | ECOMAX 444 TCAE | TCAE | JCB Power Systems |
| 34 | 25 | 45 | 1257 | | PSL 4.5L | 4045HFC06 | John Deere Power Systems |
| 31.77165456 | 24.2125992 | 38.26771776 | | | NEF series | N45 MST | FPT Industrial |
| 33 | 25 | 36 | | 915 | Series 900 | 4R 924 C02 | MTU |
| 1.329903421 | 1.091202807 | 1.145452946 | | 567 | F1 Series | F1C | FPT Industrial |
| 31.14 | 24.72 | 32.40 | | 882 | 2012 | TCD 2012 L4 | DEUTZ |
| 1.2648 | 1.0649 | 1.6260 | | 886 | NEF series | N45 | FPT Industrial |
| 44 | 26 | 41 | 1340 | | E 6.8L | 6068HF285 | John Deere Power Systems |
| 35.0 | 24.8 | 34.2 | | 925.9 | TN | 4TN101FDT | YANMAR |
| 35 | 31.5 | 46 | | 1095 | ECOMAX 448 TCAE | TCAE | JCB Power Systems |
| 38.5 | 30.5 | 48.9 | | 1367 | DIESELMAX 448 TCAE | TCAE | JCB Power Systems |
| 33.5 | 24.3 | 34.8 | | 882 | 4.1 | TCD 4.1 | DEUTZ |
| 37 | 34 | 41 | | 1124 | Series 1000 | 4R 1000 C01 | MTU |
| 34 | 29 | 39 | 1257 | | PSS 4.5L Low Profile | 4045CI551 | John Deere Power Systems |
| 67.7 | 36.3 | 52.9 | | 2970 | N | G855/E | Cummins |

FUEL KEY:

G = Gas
D = Diesel
P = Propane
B# = % of Biofuel
TF = Tri-Fuel

NG = Natural Gas
CNG = Compressed Natural Gas
LNG = Liquefied Natural Gas
RNG = Renewable Natural Gas
LPG = Liquefied Petroleum Gas



Many engines have constant-speed capabilities. For more information about this, contact the engine manufacturer.

Isuzu 90 to 100% pre-validated Open GenSet Power Units: Now come in three sizes, to save OEMs and Distributors time, money, inventory, and engineering resources.

Pre-Validated Reliable Power

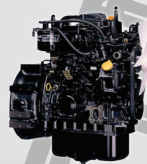
Isuzu Open GenSet-Ready Power Units now come in three sizes: 4J, 4H and 6H. As delivered, all are at least 90% pre-validated. Our 4J-Series is equipped as a 3.0L, 4 Cylinder, 71 kW (95 HP) constant speed @1800 RPM Diesel engine. The 4H-Series is equipped with a 5.2L, 4 Cylinder, 127.4 kW (171 HP) constant speed @1800 RPM and the 6H-Series 7.8L, 6 Cylinder, 194 kW (260 HP) @1800 RPM. These are all Tier 4 Final Certified and branded under Isuzu REDTech™ (Reliable, Eco-Friendly, Durable, and Technologically Advanced Diesel Technology). Isuzu Open GenSet-Ready Power Units are built using all components and features necessary to successfully meet all installation testing criteria associated with long engine life while also maintaining optimized performance - Isuzu REDTech™ Power Units have been engineered for use with several different generator manufacturers' products.

Durable and Eco-friendly GenSet Power

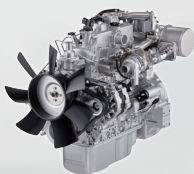
The standard power unit packages are engineered to include an air intake system with dual element air cleaner, exhaust gas after-treatment system, a complete cooling package, vibration isolators (engine and cooling package) and all engine filters. The power unit engine control module and wiring harness incorporates oil pressure, coolant temperature, intake air pressure, and temperature and

ISUZU

The power behind it all.™



3C 8.8 - 17.8 kW
.99L - 1.6L



4L 30 - 49 kW
2.2L



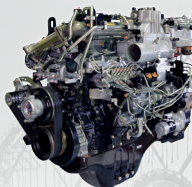
4J 52 - 86 kW
3.0L



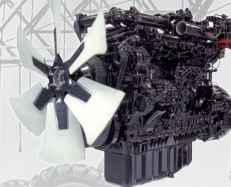
4H 124 - 140 kW
5.2L



6H 161 - 210 kW
7.8L



6U 270 kW
9.8L



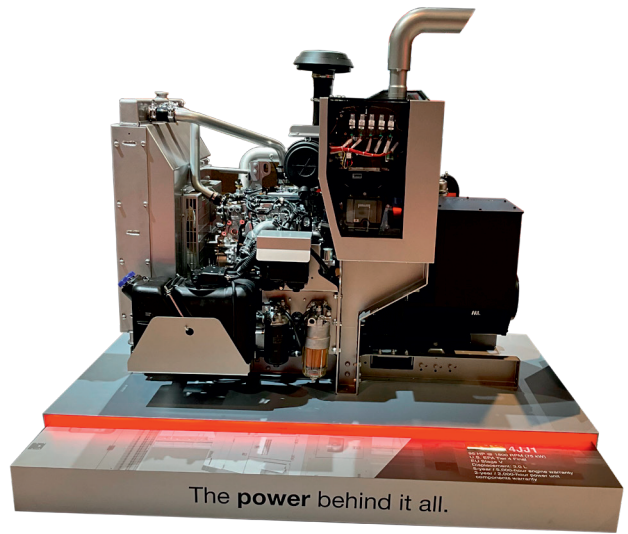
6W 296 - 382 kW
15.7L

Technologically

engine speed sensors and shutdowns. These complete power units can also be assembled to a customer supplied design of pre-validated skid base/generator combination, resulting in a 100% pre-validated Open GenSet Power Unit.

Pre-tested Durable Power – Saving Engineering Resources, Time and Money While Minimizing Inventory

All models of Isuzu REDTech™ Open GenSet Power Units have also been designed with a generator ready skid base that has been 100% validated for one or more selected generator model/frame lines. If you use one of these complete (GenSet-Ready) Isuzu REDTech™ designs (power unit with cross member, mounting/isolators and optional controller) with a pre-validated generator, it is possible for immediate turn-a-rounds on inventory. In addition, various cross members for mounting as many as seven different common generator brands/models to the power unit have been pre-engineered. When combined with a pre-validated 4J, 4H, or 6H Isuzu REDTech™ Open GenSet Power Unit, all that remains is a few days of vibration testing. This could also help reduce inventory by using pre-validated Isuzu REDTech™ Open GenSet-Ready Power Units that have been pre-engineered for several generator manufacturers' products.



Isuzu 4JJ1X GenSet-Ready Power Unit

There are over 28 million reliable, eco-friendly, durable and technologically advanced Isuzu engines worldwide. Our Tier 4 and Stage V engines and power units are clean, quiet and fuel efficient - meeting critical requirements in agricultural, construction, forestry and rental markets. Contact your local Isuzu Distributor to experience **technologically advanced** power today! Ask about our new GenSet ready power units! www.IsuzuEngines.com



4LE2X P/U
Tier 4 Final Power Unit

4JJ1X
GenSet Ready
Tier 4 Final Power Unit

4HK1X
GenSet Ready
Tier 4 Final Power Unit

New 6HK1X
GenSet Ready
Tier 4 Final Power Unit

Advanced



| hp Range Category | hp | Disp. liters (l) | Torque (lbs.-ft.) | Fuel | Tier Reg. Compliant Emissions Certifications | Aftertreatment |
|-------------------|-----------|------------------|-------------------|--|--|-----------------------------|
| 155 - 173 hp | 155.2 | 4.26 | 479.1 | D | Tier 4 / Stage V | DOC + DPF + SCR |
| | 159 | 2.3 | 400 | D | Euro 6 d-temp | ec-EGR + DOC +SCRoF + CUC |
| | 160 - 173 | 4.6 | 612 | D | Stage 3B | EGR |
| | 166 - 173 | 5.2 | 498.5 | D | EPA Tier 4F | DOC & SCR |
| | 170 | 4.5 | 710 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 170.3 | 4.6 | 593.7 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF / SCR |
| | 173 | 4.8 | 509 | D | EU Stage V | DOC/SCRf |
| | 173 | 4.8 | 494.2 | D | Tier 3 | none |
| 174 - 301 hp | 174 - 275 | 6.4 | 516 - 811 | D | EPA Tier 3 compl. / EU Stage IIIA compl. | not required |
| | 175 | 5.1 | 597 | D | Tier2/Stage 2 | |
| | 175 - 190 | 8.3 | 395 - 555 | NG | None | NA |
| | 177 | 2.3 | 450 | D | Euro 6 d-temp | ec-EGR + DOC +SCRoF + CUC |
| | 179.8 | 5.7 | 316.7 | Gasoline | | |
| | 180 | 3 | 430 | D | Euro VI D | ec-EGR + DOC +DPF+SCR+CUC |
| | 180 - 275 | 6.8L | 509 - 756 | D | EPA Tier 3 / EU Stage III A | N/A |
| | 186 | 4.5 | 750 | D | Euvo VI E | DOC + DPF + SCR + CUC |
| | 189 | 5.90 | 593 | Diesel | Tier 4 Final | DOC + SCR |
| | 201 | 4.4 | 609 | D | Tier 4 Final, Stage 5 | DOC, DPF, SCR |
| | 207.8 | 4.6 | 593.7 | D | EPA Final Tier 4 / Stage 5 | EGR / DPF / SCR |
| | 208 | 6.06 | 597 | D | Tier 3 | none |
| | 210.9 | 5.018 | 651.3 | D | Tier 4 / Stage V | DOC + DPF + SCR |
| | 211 | 3 | 470 | D | Euro VI D | ec-EGR + DOC +DPF+SCR+CUC |
| | 218 | 5.1 | 671 | D | Tier 4Final/Stage 4 | SCR |
| | 220 | 6.7 | 520 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 220 | 6.7 | 800 | D, NG | Euvo VI E | DOC + DPF + SCR + CUC |
| | 216 - 282 | 7.8 | 796.5 | D | EPA Tier 4F | DOC & SCR |
| | 228 | 5.2 | 700 | D | Tier 4 final | DOC/DPF + SCR |
| | 238 | 5.1 | 719 | D | Stage 5/Tier 4Final | SCR, DPF+ DOC |
| | 240 | 6.7 | 560 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 260 | 6.7 | 1160 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 265 - 301 | 19 | 1109 - 1160 | NG | SI NSPS Compliant Capable | "Rich Burn, 3-Way Catalyst" |
| | 268 | 7.2 | 774.4 | D | Tier 3 | none |
| | 275 | 9.3 | 951 | D | EU Stage V, Korean Tier 5 | SCR & DPF |
| | 279 - 301 | 9.0 | 1453 | D | Stage V, Tier 4 | SCR |
| | 280 | 8.9 | 900 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 286 | 7.60 | 943 | Diesel | Tier 4 Final | DOC + SCR |
| | 286 | 6.7 | 1150 | D | EPA Tier 4B, EU Stage IV | DOC + SCR |
| | 291 | 9.3 | 977 | D | China Phase IV | SCR & DPF |
| | 295 | 7.755 | 737.6 | H | Stage 5 | DOC/SCR |
| | 297 | 6 | 361 | Gasoline | | |
| 300 - 301 | 12.7 | 1050 - 1650 | D | EPA Tier 2 compl. / EU Stage II compl. | not required | |
| 301 | 8.7 | 1300 | NG | Euro VI E | 3-Way Catalyst | |

| Dimensions (in.) | | | Weight Wet (lbs.) | Weight Dry (lbs.) | Family/Series | Model | Company |
|------------------|-------------|-------------|-------------------|-------------------|-------------------------------------|----------------|-----------------------------------|
| L | W | H | | | | | |
| 35.4 | 25.6 | 38.3 | | 1323.0 | 09 Series | V4309-TIE5 | Kubota |
| 27.12598512 | 22.67716608 | 32.63779632 | | | F1 Family | S23 ENT | FPT Industrial |
| 36.9 | 34.5 | 36.5 | | | D08 | D0834 | MAN Truck & Bus SE |
| 40.3 | 36.6 | 42.1 | | 1058 | 4H Series | | Isuzu |
| 1.2648 | 1.0649 | 1.6260 | | 886 | NEF series | N45 | FPT Industrial |
| 37.0 | 28.7 | 37.0 | | 1212.5 | TN | 4TN101FTT | YANMAR |
| 38.5 | 30.5 | 48.9 | | 1367 | DIESELMAX 448 TCAE | TCAE | JCB Power Systems |
| 33.7 | 25.1 | 34.2 | | 1102 | 2013 | TCD 2013 L4 2v | DEUTZ |
| 43 | 27 | 38 | | 1168 | Series 900 | 6R 906 C01 | MTU |
| 39 | 34 | 39 | | 1127 | Industrial | TAD541VE | Volvo Penta |
| 55 | 30 | 50 | | 1650 | C | GTA8.3/SLB | Cummins |
| 27.12598512 | 22.67716608 | 32.63779632 | | | F1 Family | S23 ENT | FPT Industrial |
| 30.36 | 23.74 | 33.71 | 432 | | Power Solutions International (PSI) | Industrial | PSI |
| 28.26771744 | 23.18897712 | 34.09448928 | | | F1 Family | S30 ENT | FPT Industrial |
| 44 | 24 | 42 | 1495 | | Plus 6.8L | 6068HF485 | John Deere Power Systems |
| 1.323703405 | 1.212103118 | 1.410503628 | | 882 | NEF Series | N45 | FPT Industrial |
| 43.4 | 32.0 | 46.1 | | 1,422 | DL06 | DL06 | Hyundai Doosan Infracore Co., LTD |
| 32.40 | 29.40 | 35.30 | | 1179 | C4.4 | C4.4 | Caterpillar |
| 37.0 | 28.7 | 37.0 | | 1212.5 | TN | 4TN101FTT | YANMAR |
| 40.08 | 25.94 | 35.16 | | 1124 | 2012 | TCD 2012 L6 | DEUTZ |
| 35.4 | 25.8 | 38.5 | | 1366.0 | 09 Series | V5009-TIE5 | Kubota |
| 28.26771744 | 23.18897712 | 34.09448928 | | | F1 Family | S30 ENT | FPT Industrial |
| 39 | 34 | 39 | | 1318 | Industrial | TAD572VE | Volvo Penta |
| 41.6 | 30.3 | 35.5 | | 1150 | B6.7N | B6.7N 220 | Cummins Natural Gas |
| 1.705004385 | 1.212103118 | 1.432203684 | | 1168 | NEF Series | N67 | FPT Industrial |
| 54.61 | 36.18 | 46.46 | | 1494 | 6H Series | | Isuzu |
| 36.8 | 29.5 | 37.5 | | 1314 | 5.2 | TCD 5.2 L4 | DEUTZ |
| 38 | 32 | 39 | | 1239 | Industrial | TAD583VE | Volvo Penta |
| 41.6 | 30.3 | 35.5 | | 1150 | B6.7N | B6.7N 240 | Cummins Natural Gas |
| 1.6461 | 1.0649 | 1.6260 | | 1169 | NEF series | N67 | FPT Industrial |
| 79.3 | 41.6 | 67.3 | | 4840 | K | KTA19GC/E | Cummins |
| 45.4 | 27.3 | 39 | | 1345 | 2013 | TCD 2013 L6 2V | DEUTZ |
| 47.8 | 38.7 | 47.6 | | 2094 | Industrial | DC09 311A | Scania |
| 55.7 | 31.8 | 43.4 | | | D15 | D1556 | MAN Truck & Bus SE |
| 44.3 | 36 | 47.7 | | 1625 | L9N | L9N 280 | Cummins Natural Gas |
| 46.9 | 36.5 | 46.1 | | 1,885 | DL08 | DL08 | Hyundai Doosan Infracore Co., LTD |
| 41.81102496 | 27.04724496 | 41.29921392 | | | NEF series | N67 ENT | FPT Industrial |
| 47.8 | 38.7 | 47.6 | | 2094 | Industrial | DC09 331A | Scania |
| 47.7 | 33.1 | 41.8 | | 1598 | G7.8 | TCG 7.8 | DEUTZ |
| 30.36 | 23.74 | 33.71 | 432 | | Power Solutions International (PSI) | Industrial | |
| 57 | 36 | 54 | | 2844 | Series 60 | S60 (12.7 L) | MTU |
| 2.221155713 | 1.571704042 | 1.705004385 | | 1918 | Cursor Series | Cursor 9 NG | FPT Industrial |

FUEL KEY:

G = Gas
D = Diesel
P = Propane
B# = % of Biofuel
TF = Tri-Fuel

NG = Natural Gas
CNG = Compressed Natural Gas
LNG = Liquefied Natural Gas
RNG = Renewable Natural Gas
LPG = Liquefied Petroleum Gas



Many engines have constant-speed capabilities. For more information about this, contact the engine manufacturer.

Introducing:

E-MACHINE

Scania's New Hybrid Power Solution.



SCANIA'S ELECTRIFIED POWER SYSTEMS WILL GIVE CUSTOMERS A HYBRID AND FULLY ELECTRIC SOLUTION.

Scania's in-house developed electric solutions draw on Scania's long experience, knowledge, and technology from electrifying on-road vehicles, resulting in high system reliability and outstanding performance in a compact design. This also facilitates builder design, installation, and maintenance. Like all Scania power systems, the electric components are modular and scalable, and thereby suitable for a number of different applications.

All components work seamlessly together and are controlled with a common management system, while standard mechanical interfaces simplify integration with external components. With impeccable interaction between different components to achieve full system integration, electrifying equipment has never been smoother.

HYBRID ELECTRIC

Scania's hybrid electric power systems allow for the engine and e-machine respectively to be run together or as standalone power sources. The adapted speed range of the e-machine means that a reduction gear can be avoided, minimizing energy loss and facilitating equipment design and installation. Altogether, the system enables improved powertrain performance with exceptional torque and response directly from idling, lowered fuel consumption that reduces operational cost and emission, as well as minimized noise when and where needed.

FULLY ELECTRIC

The high-power density e-machine offers maximum torque and response directly from start. In combination with state-of-the-art batteries and other adjacent components, it eliminates tailpipe emissions and all but removes powertrain noise. In addition, the low maintenance requirements help reduce operational cost.

Technical Information

This system is a single-source solution from Scania including battery, E-machine, combustion engine and all related components.

E-MACHINE

POWER

230 kW (313 mhp) continuous;
280 kW (381 mhp) peak @ 1,500 rpm

WEIGHT

250 kg (551 lb)

DIMENSIONS (L x W x H)

490 x 610 x 590 mm (19.3" X 24" x 23.2")

BATTERY PACK

BATTERY TECHNOLOGY

Lithium-Ion, NMC

INSTALLED ENERGY

104 kWh

WEIGHT

620 kg (1,367 lb)

DIMENSIONS (L x W x H)

775 x 639 x 895 mm (30.5" x 25.2" x 35.2")



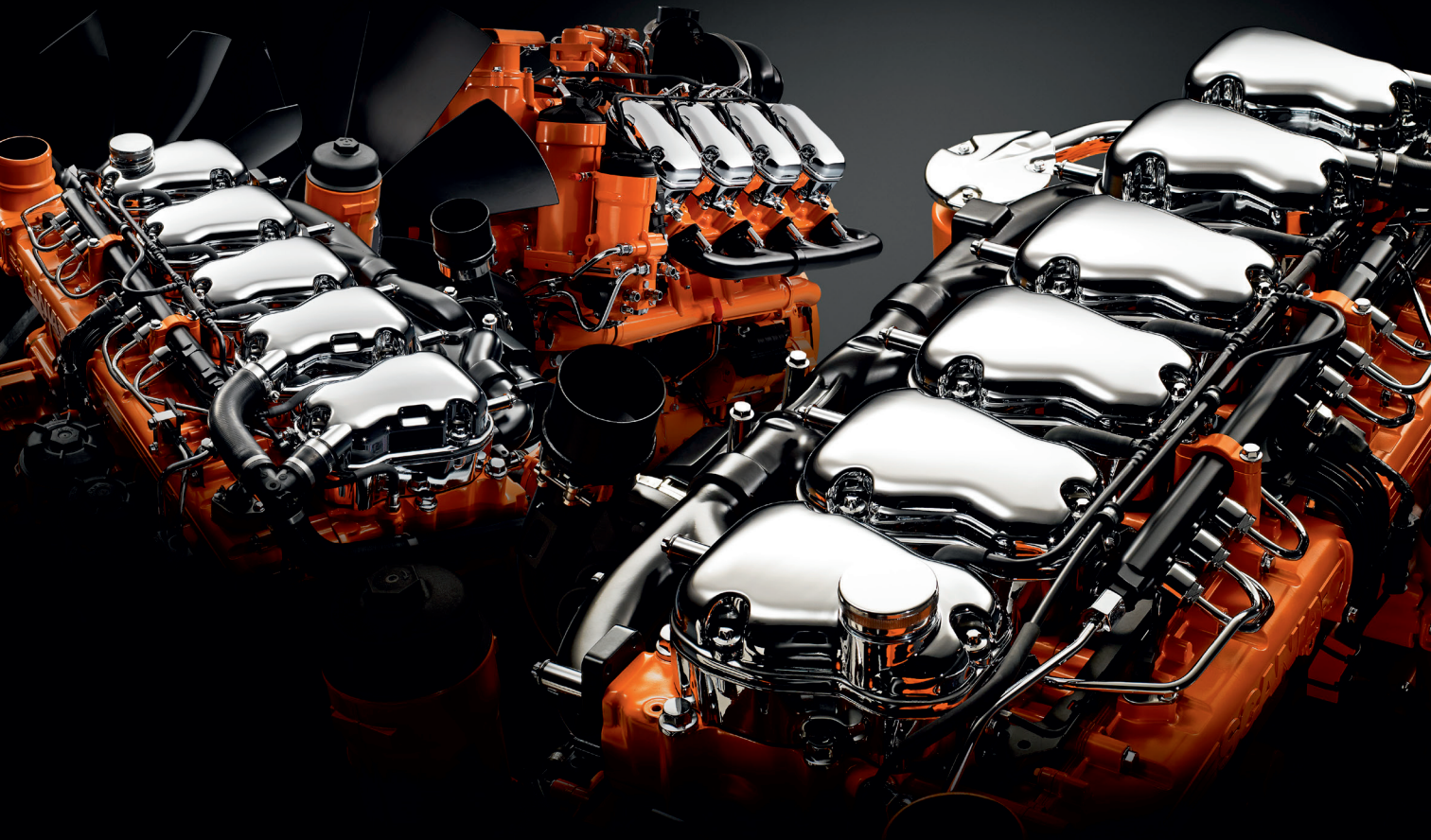
SCANIA

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[in @scaniausa](https://www.linkedin.com/company/scaniausa)



SUSTAINABLE POWER

YEARS AHEAD OF TOMORROW'S STANDARDS

The Scania engine platform features compact dimensions and a common footprint which enhances flexibility, simplifies installation and shortens time-to-market. Last but not least: Proven reliability, outstanding operating economy and industry-leading fuel efficiency vouches for long-term profitability and satisfied customers.

| hp Range Category | hp | Disp. liters (l) | Torque (lbs.-ft.) | Fuel | Tier Reg. Compliant Emissions Certifications | Aftertreatment |
|-------------------|-----------|------------------|-------------------|-------------|---|-----------------------------|
| 238 -301 hp | 228 | 5.2 | 700 | D | Tier 4 final | DOC/DPF + SCR |
| | 238 | 5.1 | 719 | D | Stage 5/Tier 4Final | SCR, DPF+ DOC |
| | 240 | 6.7 | 560 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 252 | 7.7 | 856 | D | Tier2/Stage 2 | |
| | 254 | 6.7 | 1160 | D | EPA Tier 4B, EU Stage IV | DOC + SCR |
| | 260 | 8.9 | 660 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 260 | 6.7 | 1160 | D | EPA Tier 4B, EU Stage V | DOC + SCRof |
| | 265 - 301 | 19 | 1109 - 1160 | NG | SI NSPS Compliant Capable | "Rich Burn, 3-Way Catalyst" |
| | 268 | 7.2 | 774.4 | D | Tier 3 | none |
| | 272 | 8.7 | 1300 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 275 | 9.3 | 951 | D | EU Stage V, Korean Tier 5 | SCR & DPF |
| | 279 - 301 | 9.0 | 1453 | D | Stage V, Tier 4 | SCR |
| | 280 | 8.9 | 900 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 286 | 7.60 | 943 | Diesel | Tier 4 Final | DOC + SCR |
| | 286 | 6.7 | 1150 | D | EPA Tier 4B, EU Stage IV | DOC + SCR |
| | 291 | 9.3 | 977 | D | China Phase IV | SCR & DPF |
| | 295 | 7.755 | 737.6 | H | Stage 5 | DOC/SCR |
| | 297 | 6 | 361 | Gasoline | | |
| | 300 - 301 | 12.7 | 1050 - 1650 | D | EPA Tier 2 compl. / EU Stage II compl. | not required |
| | 301 | 8.7 | 1300 | NG | Euro VI E | 3-Way Catalyst |
| 302 -450 hp | 302 | 7.0 | 946 | D | Tier 4 Final, Stage 5 | DOC, DPF, SCR |
| | 313 | 8.7 | 1400 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 316 | 9.3 | 1219 | D | China Phase IV | SCR & DPF |
| | 322 - 536 | 12.0 | 1856 at 1,00 | Diesel | Fuel consumption optimized | none |
| | 335 - 513 | 12 | 1250 - 1696 | B20 | Tier 4 Final/Stage IV | SCR-DPF |
| | 340 | 6.7 | 1400 | D | EPA Tier 4B, EU Stage V | DOC + SCRof |
| | 348 | 7.8 | 1033 | D | Stage 5 | SCR + DPF |
| | 350 | 12.7 | 1227 | D | Stage IIIA, China Phase III, India Bharat Stage III, & Brazil MAR-I | none req. |
| | 350 - 600 | 13.5 | 1182 - 1881 | D | EPA Tier 3 / EU Stage III A | N/A |
| | 354 | 8.7 | 1500 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 360 | 10.5 | 1330 | D | Stage 3B | EGR + PM-Filter |
| | 385 | 11.9 | 1350 | CNG/RNG/LNG | EPA/ARB | 3-Way Catalyst |
| | 388 | 10.8 | 1437 | D | Stage 5/Tier 4Final | SCR, DPF+ DOC |
| | 389 - 602 | 13.5 | 2041 at 1400 | Diesel | EU Stage V | SCRFilter |
| | 395 | 10.3 | 1800 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 402 - 550 | 13.6L | 1375 - 1768 | D | EPA Final Tier 4 | DOC/SCR |
| | 428 | 12.8 | 1604 | D | Tier 4Final/Stage 4 | SCR |
| | 429 - 523 | 12.8 | 1549 - 1814 | D | Emission FLEX Package ECER96 (Tier 3 equivalent) | not required |
| | 442 | 12.9 | 2140 | D | EPA Tier 3, EU Stage IIIA | I-EGR |
| | 450 | 12.7 | 1615 | D | EU Stage V, Korean Tier 5 | SCR & DPF |

| Dimensions (in.) | | | Weight Wet (lbs.) | Weight Dry (lbs.) | Family/Series | Model | Company |
|------------------|-------------|-------------|-------------------|-------------------|-------------------------------------|----------------|-----------------------------------|
| L | W | H | | | | | |
| 36.8 | 29.5 | 37.5 | | 1314 | 5.2 | TCD 5.2 L4 | DEUTZ |
| 38 | 32 | 39 | | 1239 | Industrial | TAD583VE | Volvo Penta |
| 41.6 | 30.3 | 35.5 | | 1150 | B6.7N | B6.7N 240 | Cummins Natural Gas |
| 48 | 35 | 40 | | 1470 | Industrial | TAD841VE | Volvo Penta |
| 41.81102496 | 27.04724496 | 41.29921392 | | | NEF series | N67 ENT | FPT Industrial |
| 44.3 | 36 | 47.7 | | 1625 | L9N | L9N 260 | Cummins Natural Gas |
| 1.6461 | 1.0649 | 1.6260 | | 1169 | NEF series | N67 | FPT Industrial |
| 79.3 | 41.6 | 67.3 | | 4840 | K | KTA19GC/E | Cummins |
| 45.4 | 27.3 | 39 | | 1345 | 2013 | TCD 2013 L6 2V | DEUTZ |
| 49.33071024 | 33.54330816 | 39.68504064 | | | CURSOR series | C87 ENT | FPT Industrial |
| 47.8 | 38.7 | 47.6 | | 2094 | Industrial | DC09 311A | Scania |
| 55.7 | 31.8 | 43.4 | | | D15 | D1556 | MAN Truck & Bus SE |
| 44.3 | 36 | 47.7 | | 1625 | L9N | L9N 280 | Cummins Natural Gas |
| 46.9 | 36.5 | 46.1 | | 1,885 | DL08 | DL08 | Hyundai Doosan Infracore Co., LTD |
| 41.81102496 | 27.04724496 | 41.29921392 | | | NEF series | N67 ENT | FPT Industrial |
| 47.8 | 38.7 | 47.6 | | 2094 | Industrial | DC09 331A | Scania |
| 47.7 | 33.1 | 41.8 | | 1598 | G7.8 | TCG 7.8 | DEUTZ |
| 30.36 | 23.74 | 33.71 | 432 | | Power Solutions International (PSI) | Industrial | |
| 57 | 36 | 54 | | 2844 | Series 60 | S60 (12.7 L) | MTU |
| 2.221155713 | 1.571704042 | 1.705004385 | | 1918 | Cursor Series | Cursor 9 NG | FPT Industrial |
| 41.89 | 32.28 | 35.71 | | 1576 | C7.1 | C7.1 | Caterpillar |
| 49.33071024 | 33.54330816 | 39.68504064 | | | CURSOR series | C87 ENT | FPT Industrial |
| 47.8 | 38.7 | 47.6 | | 2094 | Industrial | DC09 332A | Scania |
| 54.3 | 33.5 | 45.7 | | 2,216 | 6 cylinder | D956 | Liebherr Components |
| 51 | 39 | 39.37 | | 1916 | X | X12 | Cummins |
| 1.6461 | 1.0649 | 1.6260 | | 1169 | NEF series | N67 | FPT Industrial |
| 47.8 | 31.2 | 41.2 | | 1598 | 7.8 | TCD 7.8 | DEUTZ |
| 55.4 | 33.9 | 43.8 | | 2310 | Industrial | DC13 076A | Scania |
| 53 | 34 | 60 | 3292 | | Plus 13.5L | 6135HF485 | John Deere Power Systems |
| 49.33071024 | 33.54330816 | 39.68504064 | | | CURSOR series | C87 ENT | FPT Industrial |
| 53.5 | 36.7 | 39.4 | | | D20 | D2066 | MAN Truck & Bus SE |
| 53.4 | 37.9 | 50.3 | | 2650 | ISX12N | ISX12N 385 | Cummins Natural Gas |
| 55 | 36 | 45 | | 2449 | Industrial | TAD1182VE | Volvo Penta |
| 54.3 | 33.5 | 45.7 | | 2,231 | 6 cylinder | D966 | Liebherr Components |
| 51.9685056 | 34.68504048 | 43.7007888 | | | CURSOR series | C10 ENT | FPT Industrial |
| 59 | 35 | 54 | 3353 | | JD14P | 6136HI440 | John Deere Power Systems |
| 55 | 34 | 47 | | 2915 | Industrial | TAD1372VE | Volvo Penta |
| 54 | 39 | 50 | | 2388 | Series 1300 | 6R 1300 C00 | MTU |
| 53.3464584 | 34.0551192 | 44.4881904 | | | CURSOR series | C13 ENT | FPT Industrial |
| 54.3 | 37 | 47.7 | | 2314 | Industrial | DC13 312A | Scania |

FUEL KEY:

G = Gas
D = Diesel
P = Propane
B# = % of Biofuel
TF = Tri-Fuel

NG = Natural Gas
CNG = Compressed Natural Gas
LNG = Liquefied Natural Gas
RNG = Renewable Natural Gas
LPG = Liquefied Petroleum Gas



Many engines have constant-speed capabilities. For more information about this, contact the engine manufacturer.

| hp Range Category | hp | Disp. liters (l) | Torque (lbs.-ft.) | Fuel | Tier Reg. Compliant Emissions Certifications | Aftertreatment |
|-------------------|-------------|------------------|-------------------|-------------|--|-----------------------|
| 451 -578 hp | 451 | 12.8 | 1563 | D | Tier2/Stage 2 | |
| | 452 | 12.9 | 2200 | D | Euro VI E | DOC + DPF + SCR + CUC |
| | 456 | 9.3 | 1540 | D | Tier 4 Final, Stage 5 | DOC, DPF, SCR |
| | 460 -520 | 12.4 | 1620 - 1770 | D | Stage 3B | EGR |
| | 469 | 12.8 | 1755 | D | Tier 3/Stage 3A | |
| | 471 | 12.9 | 2012 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 524 | 11.9 | 1571 | D | Stage 5 | SCR/DPF + SCR |
| | 524 - 602 | 13.6L | 1840 - 2249 | D | EPA Final Tier 4 | DOC/SCR |
| | 530 | 12.9 | 2400 | D | Euro VI E | DOC + DPF + SCR + CUC |
| | 536 - 602 | 15.6 | 1918 - 2139 | D | Emission FLEX Package ECER96 (Tier 3 equivalent) | not required |
| | 535 | 12.8 | 1715 | D | Tier2/Stage 2 | |
| | 542 | 12.0 | 1848 | D | Tier 4 final | SCR |
| | 551 | 16.4 | 1755 | D | China Phase III, India Bharat Stage III | none req. |
| | 551 | 12.8 | 1954 | D | Tier 4Final/Stage 4 | SCR |
| | 554 | 12.9 | 2400 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 565 - 602 | 15.3 | 2213 | D | Stage IV/V, Tier 4f | SCR + EGR |
| | 571 | 12.9 | 2500 | D | Euro VI D | DOC + DPF + SCR + CUC |
| | 578 | 16.4 | 1800 | D | China Phase III, India Bharat Stage III | none req. |
| 603-751 hp | 603 - 694 | 18.0 | 2264 at 1400 | Diesel | EPA Tier 4 final | SCRFilter |
| | 604 | 30 | | Natural Gas | | No |
| | 609 | 13.5 | 2033 | D | Tier 4 final | SCR |
| | 612 | 16.4 | 2384 | D | China Phase IV | SCR & DPF |
| | 612 | 16.1 | 2137 | D | Tier 3/Stage 3A | |
| | 630 | 18.1 | 2177 | D | Tier 4 Final, Stage 5 | DOC, DPF, SCR |
| | 650 | 16.4 | 2397 | D | EU Stage V | SCR & DPF |
| | 653 | 15.9 | 2750 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 681 - 751 | 18.0 | 3208 at 1800 | Diesel | Fuel consumption optimized | none |
| | 690 | 12.9 | 2360 | D | Tier 4 Final, Stage 5 | DOC, DPF, SCR |
| | 697 | 15.9 | 2132 | D | Tier 4 final | SCR/DPF + SCR |
| | 700 | 16.1 | 2375 | D | Tier2/Stage 2 | |
| | 700 - 751 | 18.0L | 2448 - 3137 | D | EPA Final Tier 4 / EU Stage V | N/A |
| | 702 | 15.9 | 2988 | D | EPA Tier 4B, EU Stage V | DOC + SCRoF |
| | 752 hp & up | 710 - 751 | 38 | 2480 - 2486 | NG | None |
| 758 - 1006 | | 24.2 | 3521 at 1500 | Diesel | EPA Tier 4 final | SCROnly |
| 760 - 1005 | | 23.9 | 2441 - 3024 | D | EPA Tier 2 compl. | not required |
| 796 | | 16.1 | 2692 | D | Stage 5/Tier 4Final | SCR |
| 800 | | 18.1 | 2736 | D | Tier 4 Final, Stage 5 | DOC |
| 911 | | 20.1 | 4100 | D | EPA Tier 4B, EU Stage V | SCR |
| 950 - 1500 | | 30 | 3414 - 4877 | B20 | Tier 4 Final* | SCR |
| 1,413 - 1,865 | | 36.0 | 5442 at 1800 | Diesel | EPA Tier 4 final | SCROnly |
| 1600 - 2025 | | 48.7 | 5151 - 6047 | D | EPA Tier 1 compl./Fuel Optimized | not required |
| 1875 - 3000 | | 60 | 6169 - 8866 | B20 | Tier 2 | NA |
| 2012 | | 80 | | Natural Gas | | No |
| 2100 | | 78.0 | 8275 | D | Tier 4 Final, Stage 5 | SCR |
| 2742 - 3621 | | 62.0 | 10564 at 1800 | Diesel | EPA Tier 4 final | SCROnly |
| 3755 - 4023 | | 95.4 | 11600 - 12429 | D | EPA Tier 2 compl./Fuel Optimized | not required |

| Dimensions (in.) | | | Weight Wet (lbs.) | Weight Dry (lbs.) | Family/Series | Model | Company |
|------------------|-------------|-------------|-------------------|-------------------|---------------|---------------|--------------------------|
| L | W | H | | | | | |
| 54 | 34 | 48 | | 2855 | Industrial | TAD1343VE | Volvo Penta |
| 2.108005422 | 1.562404019 | 1.815054668 | | 2639 | Cursor Series | Cursor 13 | FPT Industrial |
| 44.29 | 31.14 | 42.05 | | 1907 | 1700 Series | 1706J-E93TA | Perkins |
| 64.2 | 38.2 | 40.6 | | | D26 | D2676 | MAN Truck & Bus SE |
| 54 | 34 | 48 | | 2793 | Industrial | TAD1353VE | Volvo Penta |
| 2.1065 | 1.4741 | 1.8786 | | 2911 | CURSOR series | Cursor 13 | FPT Industrial |
| 38.6 | 37.2 | 46.1 | | 2194 | 12.0 V6 | TCD 12.0 V6 | DEUTZ |
| 59 | 35 | 54 | 3236 | | JD14X | 6136CI440 | John Deere Power Systems |
| 2.108005422 | 1.562404019 | 1.815054668 | | 2639 | Cursor Series | Cursor 13 | FPT Industrial |
| 56 | 40 | 51 | | 2723 | Series 1500 | 6R 1500 C00 | MTU |
| 54 | 34 | 48 | | 2855 | Industrial | TAD1345VE | Volvo Penta |
| 54.3 | 33.5 | 45.7 | | 2167 | 12.0 | TCD 12.0 L6 | DEUTZ |
| 53 | 43.1 | 47.8 | | 2948 | Industrial | DC16 076A | Scania |
| 55 | 34 | 47 | | 2915 | Industrial | TAD1375VE | Volvo Penta |
| 2.1065 | 1.4741 | 1.8786 | | 2911 | CURSOR series | Cursor 13 | FPT Industrial |
| 57.6 | 38.5 | 44.5 | | | D38 | D3876 | MAN Truck & Bus SE |
| 53.5433088 | 39.68504064 | 28.7401584 | | | Cursor family | C13 ENT | FPT Industrial |
| 53 | 43.1 | 47.8 | | 2948 | Industrial | DC16 076A | Scania |
| 60.9 | 41.6 | 50.6 | | 4,034 | 6 cylinder | D976 | Liebherr Components |
| 78 | 45 | 68 | | 6603 | GSR Series | GS6R2-PTK | Mitsubishi |
| 54.3 | 33.5 | 45.7 | | 2183 | 13.5 | TCD 13.5 L6 | DEUTZ |
| 55.5 | 47.2 | 50.7 | | 3044 | Industrial | DC16 337A | Scania |
| 59 | 35 | 53 | | 2915 | Industrial | TAD1651VE | Volvo Penta |
| 56.61 | 37.13 | 48.78 | | 3400 | C18 | C18 | Caterpillar |
| 61.9 | 44.3 | 50.7 | | 3000 | Industrial | DC16 314A | Scania |
| 2.2894 | 1.4369 | 2.1173 | | 3197 | CURSOR series | Cursor 16 | FPT Industrial |
| 60.9 | 41.6 | 50.6 | | 4,034 | 6 cylinder | D976 (60 Hz) | Liebherr Components |
| 54.37 | 38.14 | 50.11 | | 2544 | C13D | C13D | Caterpillar |
| 45.3 | 37.2 | 34.6 | | 2778 | 16.0 V8 | TCD 16.0 V8 | DEUTZ |
| 62 | 35 | 52 | | 3175 | Industrial | TAD1642VE-C | Volvo Penta |
| 69 | 36 | 59 | 4672 | | JD18X | 6180CI510 | John Deere Power Systems |
| 2.2894 | 1.4369 | 2.1173 | | 3197 | CURSOR series | Cursor 16 | FPT Industrial |
| 109.2 | 75.3 | 86.5 | | 12300 | K | KTA38GCSLB | Cummins |
| 73.6 | 48.3 | 46.6 | | 4,740 | 12 cylinder | D9512 | Liebherr Components |
| 73 | 47 | 51 | | 5326 | Series 2000 | 12V 2000 C02 | MTU |
| 66 | 44 | 54 | | 3805 | Industrial | TWD1683VE | Volvo Penta |
| 56.61 | 38.15 | 49.13 | | 3400 | C18 | C18 | Caterpillar |
| 2.5188 | 1.8445 | 2.0770 | | 3528 | V20 series | V20 | FPT Industrial |
| 77.2 | 54.6 | 67.6 | 7535 | 8031 | T | QST30 | Cummins |
| 111.2 | 53.4 | 62.2 | | 5,485 | 16 cylinder | D9616 (60 Hz) | Liebherr Components |
| 95 | 63 | 68 | | 13325 | Series 4000 | 12V 4000 C01 | MTU |
| 114.1 | 62.6 | 79.2 | | 9121 | K | QSK60 | Cummins |
| 226 | 86 | 98 | | 19191 | GSR Series | GS16R2-PTK | Mitsubishi |
| 122.24 | 63.62 | 82.99 | | 18028 | 3516E | 3516E | Caterpillar |
| 104.8 | 70.0 | 83.7 | | 18,960 | 12 Cylinder | D9812 (60 Hz) | Liebherr Components |
| 144 | 63 | 81 | | 23590 | Series 4000 | 20V 4000 C03 | MTU |

FUEL KEY:

G = Gas
D = Diesel
P = Propane
B# = % of Biofuel
TF = Tri-Fuel

NG = Natural Gas
CNG = Compressed Natural Gas
LNG = Liquefied Natural Gas
RNG = Renewable Natural Gas
LPG = Liquefied Petroleum Gas



Many engines have constant-speed capabilities. For more information about this, contact the engine manufacturer.

POWER MEETS

PROGRESS

**MEET YOUR NEXT CHALLENGE
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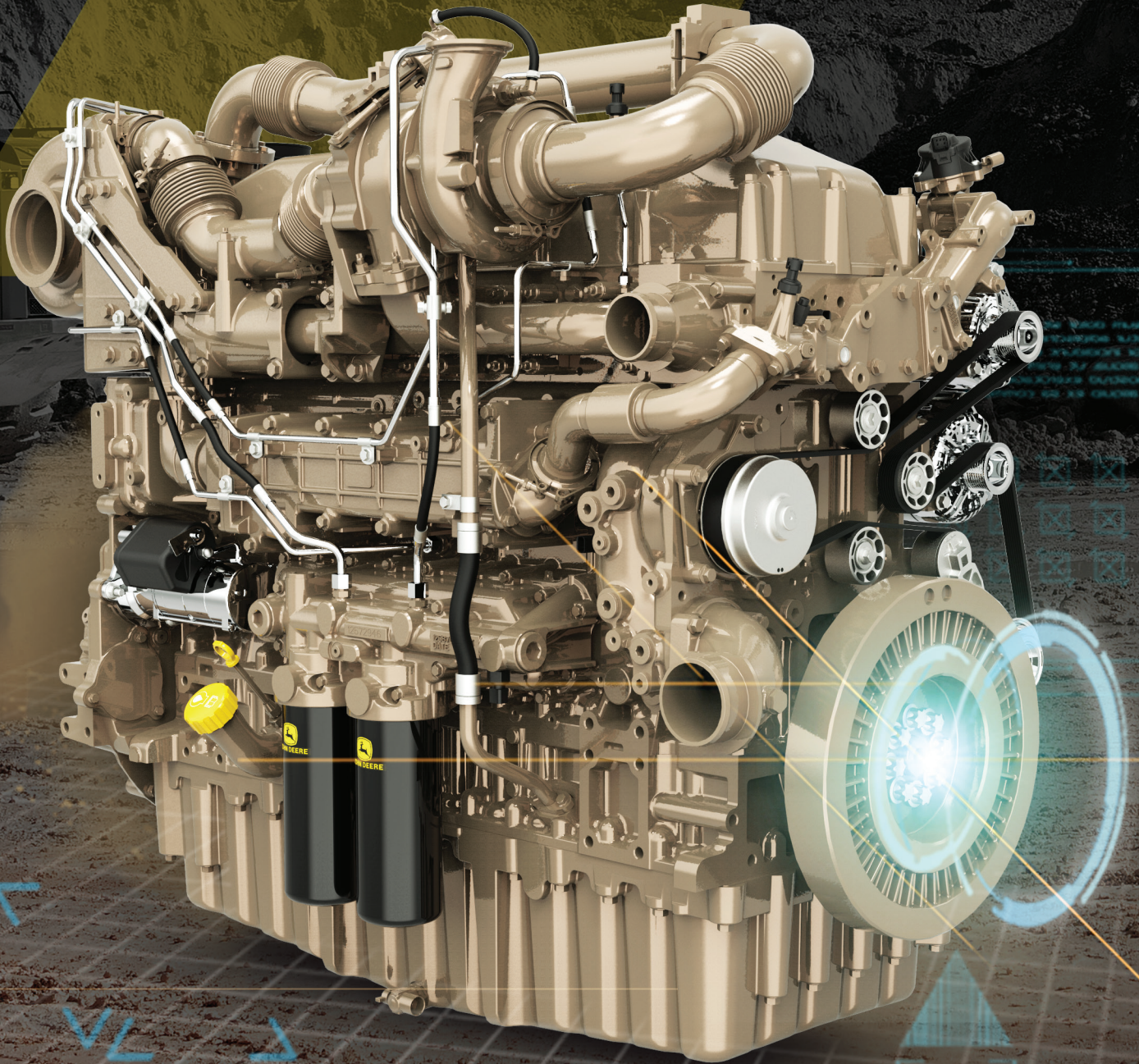
- ▶ Scalable prime power solutions
- ▶ Remote monitoring and diagnostics
- ▶ Renewable fuel technologies



*Immersion-cooled
battery technology
from Kreisel provides
superior thermal
management and
greater battery life for
off-highway vehicles.*



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New combustion technology in the JD18 offers a simplified air system that allows the engine to meet emissions requirements without requiring aftertreatment or diesel exhaust fluid (DEF).

JohnDeere.com/Progress

