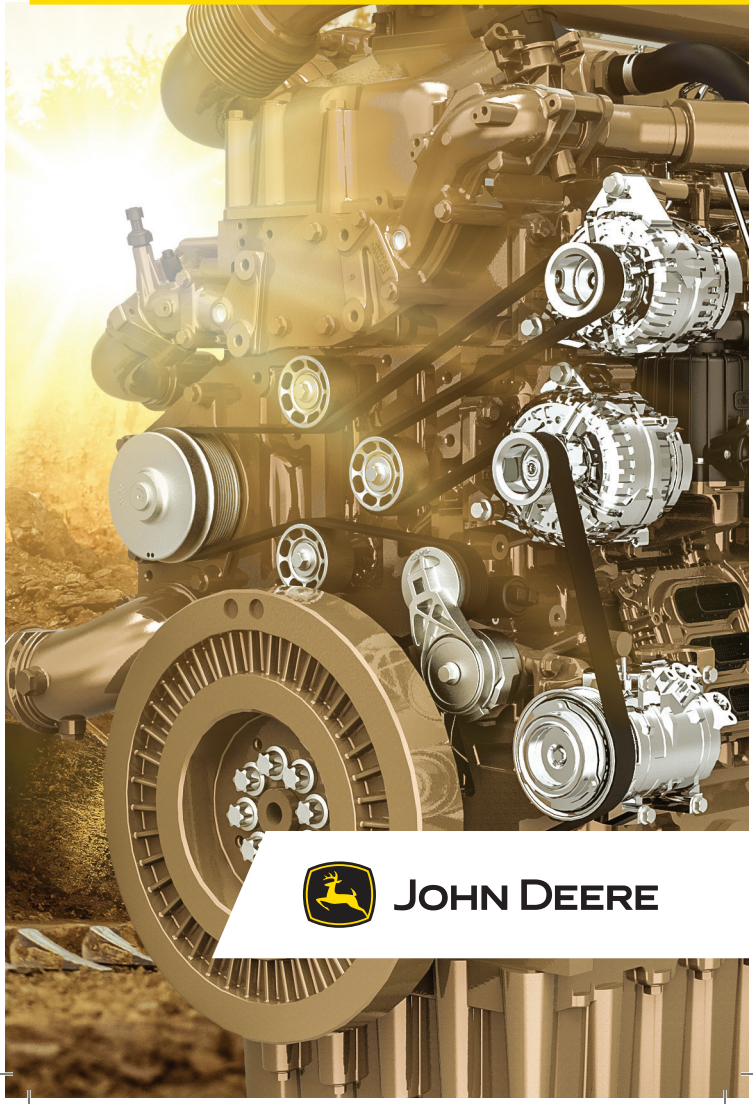
# Industrial Off-Highway Diesel Engines



JOHN DEERE

# A NEW ERA
## IN POWER

Equipment OEMs and operators have long trusted John Deere industrial engine power for reliable performance in the most demanding off-highway applications. That same heritage is carrying you confidently into a new era of technological innovation – with next generation engines designed from the ground up to meet evolving standards, and with advancements like John Deere Connected Support™ remote monitoring and diagnostics to help keep your operations moving forward.





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# THE JOHN DEERE *DIFFERENCE*



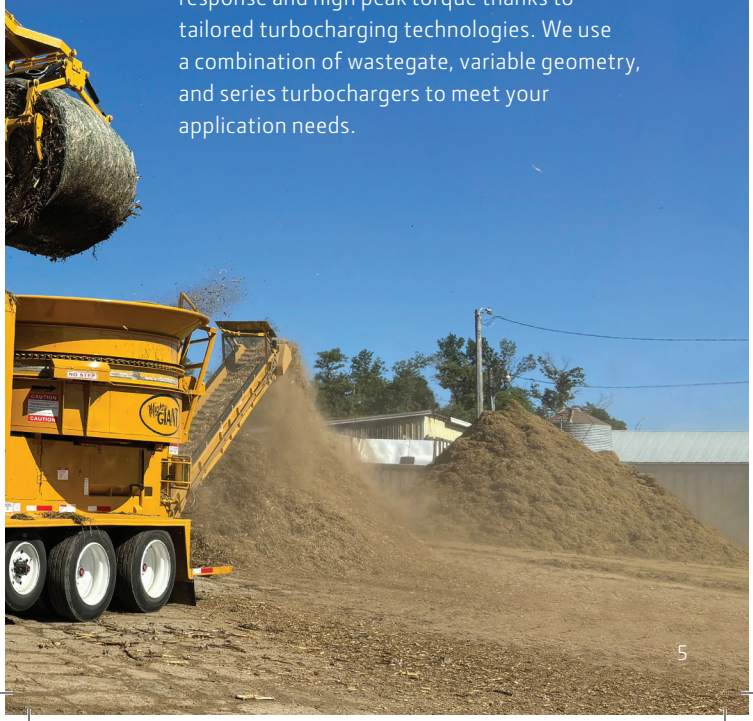
# PROVEN PERFORMANCE

### Off-highway experience

John Deere has billions of hours of field experience with off-highway engine technologies. We use an exhaust system strategy that is designed to be transparent to the operator without impacting machine performance. Our proven aftertreatment solution has logged more that 3 billion hours of operation on thousands of internal and external OEM applications.

### Turbocharged power

John Deere engines deliver fast transient response and high peak torque thanks to tailored turbocharging technologies. We use a combination of wastegate, variable geometry, and series turbochargers to meet your application needs.



# RELIABLE UPTIME

**Day-to-day reliability**
John Deere engines feature top-liner cooling, efficient lubrication, and robust cooling systems for reliable operation.

**Long-haul durability**
John Deere engines are designed for rugged applications. Most models feature heavy-duty, oversized components, steel pistons, and wet-type cylinder liners for long engine life.

**Extreme performance**
Engines are built to operate in hot and dry, subzero, and humid climates as well as high altitudes. The engine control unit (ECU) monitors and protects engine components in extreme conditions. In regions where fuel quality may vary, John Deere protects the engine with two-stage fuel filtration and water detection.

# EASY INTEGRATION

**Final Tier 4/Stage V solutions**
No re-engineering or hardware changes are required. Most John Deere Final Tier 4/Stage V engines have the same engine envelope size and use the same mounting points as previous John Deere engines.

**Integration flexibility**
With multiple parts options and various aftertreatment outlet and inlet choices, OEMs can integrate John Deere engines with minimal machine modifications. Easy configurability saves development costs and reduces delivery time to market.



# EFFICIENT OPERATION

### Fuel efficiency
The efficient design of the John Deere combustion chamber helps deliver excellent fuel economy.

### Less DEF
Cooled exhaust gas recirculation (EGR) enables the use of a smaller selective catalytic reduction (SCR) system and lower diesel exhaust fluid (DEF) consumption compared to non-EGR John Deere engines. John Deere engines with EGR use 1% to 3% less DEF compared to non-EGR engines.

### Low lifecycle costs
Reliable operation, low maintenance, long engine life, and exceptional fluid economy help lower the cost of operation with John Deere engines.

### Long service intervals
- Oil and fuel filters: up to 1,000 hours
- Coolant: up to 6,000 hours
- DEF filter (if applicable): up to 4,500 hours
- DPF (if applicable): up to 15,000 hours on select engines depending on duty cycle, load, and operating conditions



# PERFORMANCE LEVELS



## PREMIUM PERFORMANCE




Engines in the X-level offer powerful performance and exceptional fluid efficiency, providing OEM customers with power solutions capable of meeting the most demanding application needs. Advanced technologies offer greater reliability without sacrificing durability.

## ENHANCED PERFORMANCE




P-level engines offer OEM customers a balance of performance and cost to meet a variety of application needs. Enhanced engine calibration coupled with advanced combustion technologies and simple turbocharging make the P-level a reliable and durable power choice.

## RELIABLE PERFORMANCE




Our G-level engines offer OEM customers a cost-effective power solution for price-sensitive market applications. These reliable and powerful engines represent the time-tested, rugged heritage of John Deere.

# POWER RATINGS



NEXT GEN **JD18X IHR** 522 – 677 kW (700 – 908 hp)



NEXT GEN **JD14X IHR** 391 – 510 kW (524 – 684 hp)



NEXT GEN **JD14P IHR** 300 – 410 kW (402 – 550 hp)



NEXT GEN **JD9X IHR** 280 – 343 kW (375– 460 hp)



NEXT GEN **JD9P IHR** 205 – 280 kW (275– 375 hp)



**9.0X IHR** 187 – 317 kW (251 – 425 hp)



**6.8X IHR** 168 – 224 kW (225 – 300 hp)



**6.8P IHR** 104 – 187 kW (140 – 251 hp)



**4.5X IHR** 93 – 129 kW (125 – 173 hp)



**4.5P IHR** 63 – 110 kW (84 – 148 hp)



**4.5G IHR** 55 – 110 kW (74 – 148 hp)

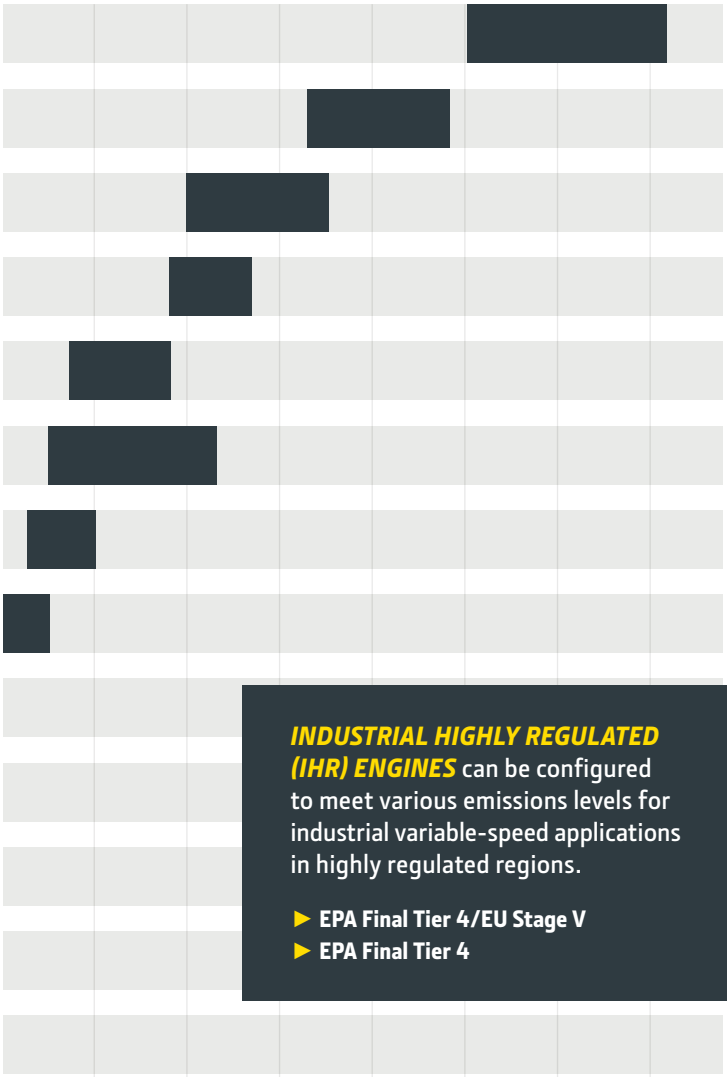


NEXT GEN **JD4G IHR** 63 – 129 kW (84 – 173 hp)



**2.9G IHR** 36 – 55 kW (48 – 74 hp)

kW 0 75 149
hp 0 100 200



***INDUSTRIAL HIGHLY REGULATED (IHR) ENGINES*** can be configured to meet various emissions levels for industrial variable-speed applications in highly regulated regions.

- **EPA Final Tier 4/EU Stage V**
- **EPA Final Tier 4**

9 224 298 373 448 522 597 671
0 300 400 500 600 700 800 900

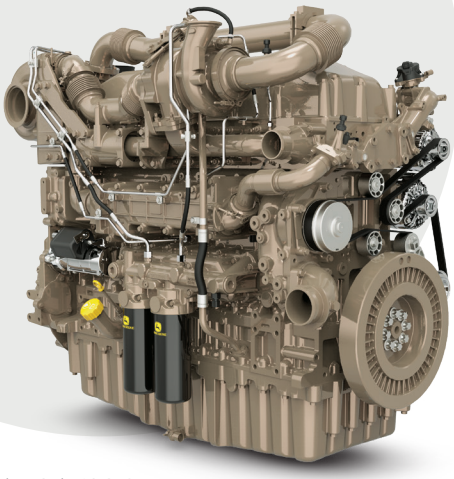
# SPECIFICATIONS

| ENGINE MODEL | TYPE | DISPL. | VALVES | TURBO | EMISSIONS |
|---|---|---|---|---|---|
| ***JD18X IHR*** | L6 | 18.0L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| ***JD14X IHR*** | L6 | 13.6L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| | | | | | EPA Final Tier 4 |
| ***JD14P IHR*** | L6 | 13.6L | 4-valve | WGT | EPA Final Tier 4/EU Stage V |
| | | | | | EPA Final Tier 4 |
| ***JD9X IHR*** | L6 | 9.0L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| ***JD9P IHR*** | L6 | 9.0L | 4-valve | VGT | EPA Final Tier 4/EU Stage V |
| ***9.0X IHR*** | L6 | 9.0L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| ***6.8X IHR*** | L6 | 6.8L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| ***6.8P IHR*** | L6 | 6.8L | 4-valve | VGT | EPA Final Tier 4/EU Stage V |
| ***4.5X IHR*** | L4 | 4.5L | 4-valve | Series | EPA Final Tier 4/EU Stage V |
| | | | | | EPA Final Tier 4 |
| ***4.5P IHR*** | L4 | 4.5L | 4-valve | WGT | EPA Final Tier 4/EU Stage V |
| | | | | | EPA Final Tier 4 |
| ***4.5G IHR*** | L4 | 4.5L | 2-valve | WGT | EPA Final Tier 4/EU Stage V |
| | | | | | EPA Final Tier 4 |
| | | | | | EPA Final Tier 4/EU Stage V |
| ***JD4G IHR*** | L4 | 3.9L | 2-valve | WGT | EPA Final Tier 4/EU Stage V |
| ***2.9G IHR*** | L3 | 2.9L | 2-valve | WGT | EPA Final Tier 4/EU Stage V |

# INDUSTRIAL HIGHLY REGULATED ENGINES

| POWER RATINGS | EGR | DOC | DPF | SCR |
|---|---|---|---|---|
| 522 – 677 kW (700 – 908 hp) | ■ | - | - | - |
| 391 – 510 kW (524 – 684 hp) | ■ | ■ | ■ | ■ |
| 391 – 510 kW (524 – 684 hp) | ■ | ■ | - | ■ |
| 300 – 410 kW (402 – 550 hp) | ■ | ■ | ■ | ■ |
| 300 – 410 kW (402 – 550 hp) | ■ | ■ | - | ■ |
| 280 – 343 kW (375 – 460 hp) | ■ | ■ | ■ | ■ |
| 205 – 280 kW (275 – 375 hp) | ■ | ■ | ■ | ■ |
| 187 – 317 kW (251 – 425 hp) | ■ | ■ | ■ | ■ |
| 168 – 224 kW (225 – 300 hp) | ■ | ■ | ■ | ■ |
| 104 – 187 kW (140 – 251 hp) | ■ | ■ | ■ | ■ |
| 93 – 129 kW (125 – 173 hp) | ■ | ■ | ■ | ■ |
| 93 – 129 kW (125 – 173 hp) | ■ | ■ | - | ■ |
| 74 – 104 kW (99 – 140 hp) | ■ | ■ | ■ | ■ |
| 63 – 110 kW (84 – 148 hp) | ■ | ■ | - | ■ |
| 74 – 110 kW (99 – 148 hp) | - | ■ | ■ | ■ |
| 74 – 110 kW (99 – 148 hp) | - | ■ | - | ■ |
| 55 kW (74 hp) | - | ■ | ■ | - |
| 63 – 129 kW (84 – 173 hp) | - | ■ | ■ | ■ |
| 36 – 55 kW (48 – 74 hp) | - | ■ | ■ | - |

# JD18X IHR NEXT GEN



*Base Machine Code: 4070RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 522 | 700 | 1900 | 572 | 767 | 1700 | 10% | 1 |
| 560 | 751 | 1900 | 600 | 805 | 1700 | 7% | 3 |
| 600 | 805 | 1900 | 640 | 858 | 1700 | 7% | 3 |
| 640 | 858 | 1900 | 660 | 885 | 1700 | 3% | 4 |
| 677 | 908 | 1900 | 677 | 908 | 1700 | 0% | 4 |



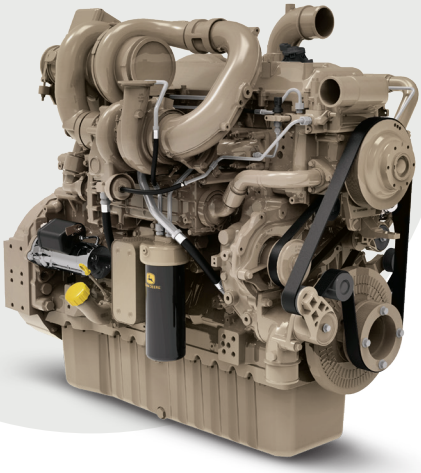
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 18.0L |
| **POWER RANGE** | 522 – 677 kW (700 – 908 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1750 | 69 | 920 | 36 | 1507 | 59 | 2119 | 4672 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | - | - |
| | | | | | | | | |
| 3317 | 2448 | 1400 | ■ | - | - | - | - | |
| 3675 | 2712 | 1400 | ■ | - | - | - | - | |
| 3873 | 2858 | 1400 | ■ | - | - | - | - | |
| 4070 | 3004 | 1400 | ■ | - | - | - | - | |
| 4250 | 3137 | 1400 | ■ | - | - | - | - | |



# JD14X IHR NEXT GEN



*Base Machine Code: 4000RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 391 | 524 | 2100 | 421 | 565 | 1900 | 8% | 2 |
| 436 | 585 | 2100 | 446 | 598 | 1800 | 2% | 2 |
| 485 | 650 | 2100 | 495 | 664 | 1800 | 2% | 3 |
| 510 | 684 | 2100 | 510 | 684 | 1700 | 0% | 3 |
| **EPA Final Tier 4** | | | | | | | |
| 391 | 524 | 2100 | 421 | 434 | 1900 | 8% | 2 |
| 436 | 585 | 2100 | 446 | 486 | 1900 | 2% | 2 |
| 485 | 650 | 2100 | 495 | 540 | 1900 | 2% | 3 |
| 510 | 684 | 2100 | 510 | 557 | 1900 | 0% | 3 |



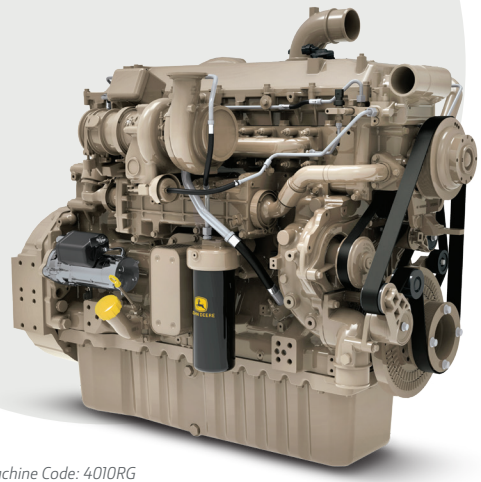
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 13.6L |
| **POWER RANGE** | 391 – 510 kW (524 – 684 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1498 | 59 | 890 | 35 | 1367 | 54 | 1521 | 3353 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE |
|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | In-line |
| | | | | | | | |
| 2495 | 1840 | 1550 | ■ | ■ | ■ | ■ | 7 |
| 2745 | 2025 | 1550 | ■ | ■ | ■ | ■ | 7 |
| 3050 | 2250 | 1550 | ■ | ■ | ■ | ■ | 7 |
| 3050 | 2250 | 1550 | ■ | ■ | ■ | ■ | 7 |
| | | | | | | | |
| 2495 | 1840 | 1550 | ■ | ■ | - | ■ | 7 |
| 2745 | 2025 | 1550 | ■ | ■ | - | ■ | 7 |
| 3050 | 2250 | 1550 | ■ | ■ | - | ■ | 7 |
| 3050 | 2250 | 1550 | ■ | ■ | - | ■ | 7 |



# JD14P IHR NEXT GEN



*Base Machine Code: 4010RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 300 | 402 | 2100 | 324 | 434 | 1900 | 8% | 1 |
| 336 | 450 | 2100 | 363 | 486 | 1900 | 8% | 2 |
| 373 | 500 | 2100 | 403 | 540 | 1900 | 8% | 2 |
| 410 | 550 | 2100 | 415 | 556 | 2000 | 1% | 2 |
| **EPA Final Tier 4** | | | | | | | |
| 300 | 402 | 2100 | 324 | 434 | 1900 | 8% | 1 |
| 336 | 451 | 2100 | 363 | 486 | 1900 | 8% | 2 |
| 373 | 500 | 2100 | 403 | 540 | 1900 | 8% | 2 |
| 410 | 550 | 2100 | 415 | 557 | 1900 | 1% | 2 |



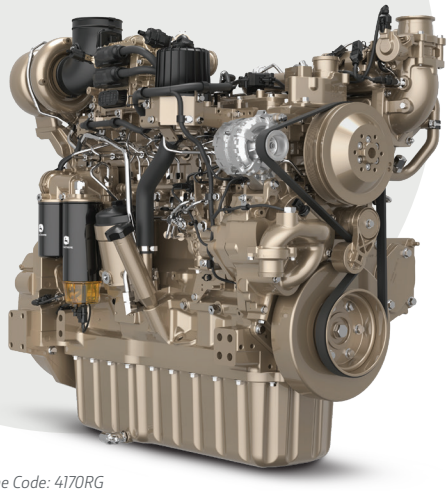
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 13.6L |
| **POWER RANGE** | 300 – 410 kW (402 – 550 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Wastegate (WGT) |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1498 | 59 | 890 | 35 | 1366 | 54 | 1468 | 3236 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE |
|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | In-line |
| | | | | | | | |
| 1986 | 1465 | 1550 | ■ | ■ | ■ | ■ | 6 |
| 2192 | 1617 | 1550 | ■ | ■ | ■ | ■ | 6 |
| 2397 | 1768 | 1550 | ■ | ■ | ■ | ■ | 6 |
| 2510 | 1851 | 1550 | ■ | ■ | ■ | ■ | 6 |
| | | | | | | | |
| 1986 | 1465 | 1550 | ■ | ■ | - | ■ | 6 |
| 2192 | 1617 | 1550 | ■ | ■ | - | ■ | 6 |
| 2397 | 1768 | 1550 | ■ | ■ | - | ■ | 6 |
| 2510 | 1851 | 1550 | ■ | ■ | - | ■ | 6 |



# JD9X IHR NEXT GEN



*Base Machine Code: 4170RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 280 | 375 | 2000 | 308 | 413 | 1800 | 10% | 1 |
| 298 | 400 | 2000 | 328 | 440 | 1800 | 10% | 1 |
| 343 | 460 | 2000 | 343 | 460 | 2000 | 0% | 1 |



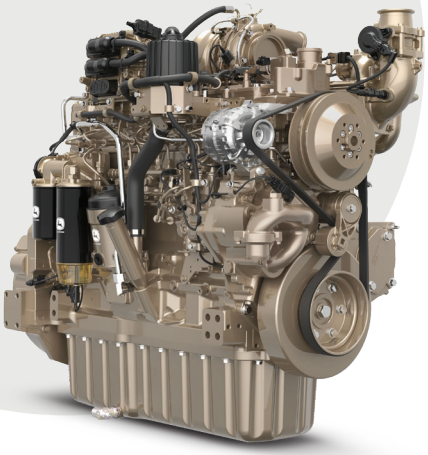
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 9.0L |
| **POWER RANGE** | 280 – 343 kW (375 – 460 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1315 | 52 | 763 | 30 | 1194 | 47 | 1055 | 2326 |

| R | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE |
|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | In-line |
| | | | | | | | | |
| | 1722 | 1270 | 1600 | ■ | ■ | ■ | ■ | 5 |
| | 1815 | 1339 | 1600 | ■ | ■ | ■ | ■ | 5 |
| | 1883 | 1389 | 1600 | ■ | ■ | ■ | ■ | 5 |



# JD9P IHR NEXT GEN



*Base Machine Code: 4180RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 205 | 275 | 2000 | 225 | 302 | 1800 | 10% | 1 |
| 224 | 300 | 2000 | 248 | 332 | 1700 | 11% | 1 |
| 242 | 325 | 2000 | 267 | 358 | 1700 | 10% | 1 |
| 242 | 325 | 2200 | 266 | 357 | 2000 | 10% | 1 |
| 261 | 350 | 2000 | 280 | 375 | 1800 | 7% | 1 |
| 261 | 350 | 2200 | 287 | 385 | 2000 | 10% | 1 |
| 280 | 375 | 2000 | 286 | 383 | 1800 | 2% | 1 |



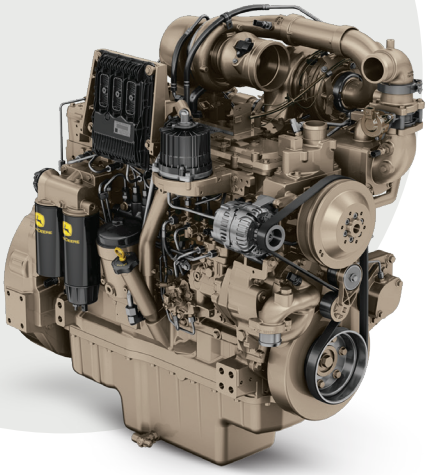
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 9.0L |
| **POWER RANGE** | 205 – 280 kW (275 – 375 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Variable geometry (VGT) |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1282 | 50 | 795 | 31 | 1208 | 48 | 998 | 2200 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE |
|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | In-line |
| | | | | | | | |
| 1310 | 966 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1477 | 1090 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1595 | 1177 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1450 | 1070 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1620 | 1195 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1563 | 1154 | 1600 | ■ | ■ | ■ | ■ | 4 |
| 1600 | 1180 | 1600 | ■ | ■ | ■ | ■ | 4 |



# 9.0X IHR



*Base Machine Code: 4190RG*

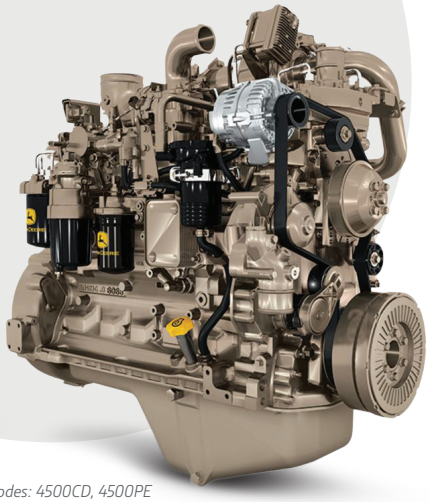
| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 187 | 251 | 2200 | 192 | 257 | 2000 | 2% | 1 |
| 187 | 251 | 2200 | 206 | 276 | 2000 | 10% | 1 |
| 187 | 251 | 2000 | 207 | 277 | 1700 | 11% | 1 |
| 205 | 275 | 2200 | 211 | 283 | 1900 | 2% | 1 |
| 205 | 275 | 2200 | 226 | 302 | 2000 | 10% | 1 |
| 205 | 275 | 2000 | 227 | 305 | 1700 | 11% | 1 |
| 224 | 300 | 2200 | 230 | 309 | 1900 | 3% | 1 |
| 224 | 300 | 2200 | 247 | 331 | 2000 | 10% | 1 |
| 224 | 301 | 2000 | 248 | 332 | 1700 | 10% | 1 |
| 242 | 325 | 2200 | 248 | 332 | 2000 | 2% | 1 |
| 242 | 325 | 2200 | 266 | 357 | 2000 | 10% | 1 |
| 242 | 325 | 2000 | 267 | 358 | 1700 | 10% | 1 |
| 261 | 350 | 2200 | 268 | 360 | 1900 | 3% | 1 |
| 261 | 350 | 2200 | 287 | 385 | 2000 | 10% | 1 |
| 261 | 350 | 2000 | 287 | 385 | 1800 | 10% | 1 |
| 280 | 375 | 2200 | 287 | 385 | 1900 | 3% | 1 |
| 280 | 375 | 2200 | 308 | 413 | 2000 | 10% | 1 |
| 280 | 375 | 2000 | 301 | 403 | 1800 | 8% | 1 |
| 298 | 400 | 2200 | 299 | 401 | 2100 | 0% | 1 |
| 298 | 400 | 2200 | 316 | 424 | 2000 | 6% | 1 |
| 298 | 400 | 2000 | 301 | 403 | 1800 | 1% | 1 |
| 317 | 425 | 2200 | 317 | 425 | 2200 | 0% | 1 |

| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 9.0L |
| **POWER RANGE** | 187 – 317 kW (251 – 425 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1326 | 52 | 879 | 35 | 1266 | 50 | 1097 | 2418 |

| | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | 1120 | 827 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1120 | 827 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1232 | 909 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1228 | 906 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1228 | 906 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1351 | 997 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1341 | 990 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1341 | 990 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1477 | 1090 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1450 | 1070 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1450 | 1070 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1595 | 1177 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1563 | 1154 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1563 | 1154 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1671 | 1233 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1671 | 1233 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |
| | 1685 | 1244 | 1600 | ■ | ■ | ■ | ■ | 6 | 6 |

# 6.8X IHR



*Base Machine Codes: 4500CD, 4500PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 168 | 225 | 2400 | 185 | 247 | 2100 | 10% | 1 |
| 168 | 225 | 2200 | 182 | 244 | 2000 | 8% | 1 |
| 187 | 251 | 2400 | 187 | 251 | 2400 | 0% | 1 |
| 187 | 251 | 2200 | 187 | 251 | 2200 | 0% | 1 |
| 205 | 275 | 2400 | 207 | 277 | 2100 | 1% | 1 |
| 205 | 275 | 2200 | 206 | 277 | 2200 | 0% | 1 |
| 224 | 300 | 2400 | 224 | 300 | 2400 | 0% | |
| 224 | 300 | 2200 | 224 | 300 | 2200 | 0% | |



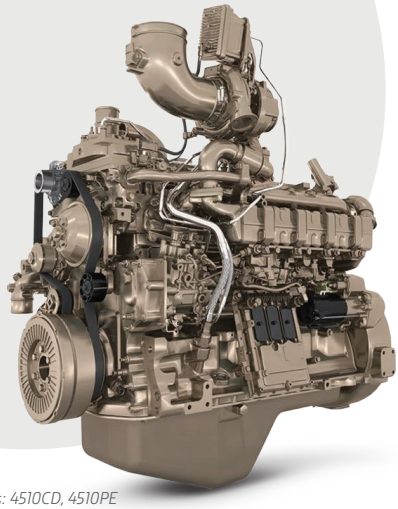
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 6.8L |
| **POWER RANGE** | 168 – 224 kW (225 – 300 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1160 | 46 | 780 | 31 | 1205 | 47 | 785 | 1731 |

| | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | | |
| | 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| | 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| | 1026 | 757 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1026 | 757 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| | 1057 | 780 | 1700 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1057 | 780 | 1700 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1141 | 842 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |
| | 1141 | 842 | 1600 | ■ | ■ | ■ | ■ | 5 | 5 |



# 6.8P IHR



*Base Machine Codes: 4510CD, 4510PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 104 | 140 | 2400 | 104 | 140 | 2400 | 0% | |
| 104 | 140 | 2400 | 112 | 151 | 2200 | 8% | |
| 104 | 140 | 2200 | 106 | 142 | 2100 | 2% | |
| 104 | 140 | 2200 | 112 | 151 | 2000 | 8% | |
| 116 | 156 | 2400 | 117 | 157 | 2300 | 0% | |
| 116 | 156 | 2400 | 125 | 168 | 2200 | 8% | |
| 116 | 156 | 2200 | 119 | 159 | 2200 | 3% | |
| 116 | 156 | 2200 | 125 | 168 | 2000 | 8% | |
| 129 | 173 | 2400 | 129 | 173 | 2400 | 0% | |
| 129 | 173 | 2400 | 139 | 187 | 2200 | 8% | |
| 129 | 173 | 2200 | 132 | 177 | 2000 | 2% | |
| 129 | 173 | 2200 | 140 | 187 | 2000 | 8% | |
| 138 | 185 | 2400 | 138 | 185 | 2400 | 0% | |
| 138 | 185 | 2400 | 152 | 204 | 2200 | 10% | |
| 138 | 185 | 2200 | 152 | 204 | 2000 | 10% | |
| 138 | 185 | 2000 | 152 | 204 | 1800 | 10% | |
| 149 | 200 | 2400 | 149 | 200 | 2400 | 0% | |
| 149 | 200 | 2400 | 164 | 220 | 2200 | 10% | |
| 149 | 200 | 2200 | 164 | 220 | 2000 | 10% | |
| 149 | 200 | 2000 | 164 | 220 | 1800 | 10% | |
| 168 | 225 | 2400 | 168 | 225 | 2400 | 0% | |
| 168 | 225 | 2400 | 185 | 248 | 2200 | 10% | |
| 168 | 226 | 2200 | 185 | 248 | 2000 | 10% | |
| 168 | 226 | 2000 | 185 | 247 | 1800 | 10% | |
| 187 | 251 | 2400 | 190 | 255 | 2200 | 2% | |
| 187 | 251 | 2200 | 190 | 255 | 2000 | 2% | |
| 187 | 251 | 2000 | 187 | 251 | 2000 | 0% | |

| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 6.8L |
| **POWER RANGE** | 104 – 187 kW (140 – 251 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Variable geometry (VGT) |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1160 | 46 | 720 | 28 | 1350 | 53 | 770 | 1698 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| 556 | 410 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 556 | 410 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 613 | 452 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 613 | 452 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 619 | 457 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 619 | 457 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 676 | 499 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 676 | 499 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 688 | 508 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 688 | 508 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 745 | 550 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 756 | 558 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 741 | 547 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 741 | 547 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 809 | 597 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 890 | 657 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 800 | 590 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 800 | 590 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 873 | 644 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 963 | 711 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 900 | 664 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 900 | 664 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 970 | 716 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |
| 1000 | 738 | 1600 | ■ | ■ | ■ | ■ | 4 | 4 |

# 4.5X IHR



*Base Machine Codes: 4630CD, 4630PE*

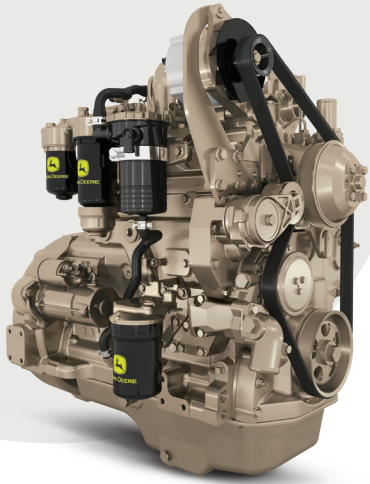
| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **EPA Final Tier 4/EU Stage V** | | | | | | |
| 93 | 125 | 2200 | 96 | 128 | 1900 | 0% |
| 93 | 125 | 2200 | 100 | 134 | 2000 | 8% |
| 104 | 140 | 2200 | 107 | 143 | 1900 | 3% |
| 104 | 140 | 2200 | 112 | 151 | 2000 | 8% |
| 116 | 155 | 2200 | 116 | 155 | 2200 | 0% |
| 116 | 155 | 2200 | 125 | 168 | 2000 | 8% |
| 116 | 155 | 2400 | 116 | 156 | 2400 | 0% |
| 116 | 155 | 2400 | 125 | 168 | 2200 | 8% |
| 129 | 173 | 2200 | 129 | 173 | 2200 | 0% |
| 129 | 173 | 2400 | 129 | 173 | 2400 | 0% |
| **EPA Final Tier 4** | | | | | | |
| 93 | 125 | 2200 | 96 | 128 | 1900 | 3% |
| 93 | 125 | 2400 | 95 | 127 | 2100 | 2% |
| 104 | 140 | 2200 | 107 | 143 | 1900 | 3% |
| 104 | 140 | 2400 | 106 | 142 | 2200 | 2% |
| 116 | 156 | 2400 | 116 | 156 | 2400 | 0% |
| 129 | 173 | 2200 | 129 | 173 | 2200 | 0% |
| 129 | 173 | 2400 | 129 | 173 | 2400 | 0% |

| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 93 – 129 kW (125 – 173 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Series |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 870 | 34 | 635 | 25 | 1130 | 45 | 570 | 1257 |

| PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | |
| 537 | 396 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 537 | 396 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 601 | 443 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 601 | 443 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 616 | 455 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 616 | 455 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | ■ | ■ | 3 | 3 |
| | | | | | | | | |
| 537 | 396 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 494 | 364 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 601 | 443 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 552 | 407 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 616 | 454 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | - | ■ | 3 | 3 |
| 667 | 492 | 1600 | ■ | ■ | - | ■ | 3 | 3 |

# 4.5P IHR



*Base Machine Codes: 4640CD, 4640PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 74 | 99 | 2200 | 80 | 107 | 2000 | 8% | |
| 86 | 115 | 2200 | 88 | 118 | 1900 | 2% | |
| 93 | 125 | 2400 | 93 | 125 | 2400 | 0% | |
| 93 | 125 | 2200 | 94 | 126 | 2100 | 1% | |
| 104 | 140 | 2400 | 104 | 140 | 2400 | 0% | |
| 104 | 140 | 2200 | 104 | 140 | 2200 | 0% | |
| **EPA Final Tier 4** | | | | | | | |
| 63 | 84 | 2400 | 63 | 84 | 2400 | 0% | |
| 63 | 84 | 2400 | 68 | 91 | 2200 | 8% | |
| 63 | 84 | 2200 | 64 | 86 | 1900 | 2% | |
| 63 | 84 | 2200 | 68 | 91 | 2000 | 8% | |
| 74 | 99 | 2400 | 74 | 99 | 2400 | 0% | |
| 74 | 99 | 2400 | 80 | 107 | 2200 | 8% | |
| 74 | 99 | 2200 | 75 | 101 | 2100 | 1% | |
| 74 | 99 | 2200 | 80 | 107 | 2000 | 8% | |
| 86 | 115 | 2400 | 86 | 115 | 2400 | 0% | |
| 86 | 115 | 2200 | 88 | 118 | 1900 | 2% | |
| 93 | 125 | 2400 | 93 | 125 | 2400 | 0% | |
| 93 | 125 | 2200 | 94 | 126 | 2100 | 1% | |
| 100 | 134 | 2400 | 104 | 140 | 2200 | 4% | |
| 104 | 140 | 2200 | 104 | 140 | 2200 | 0% | |
| 110* | 148 | 2200 | 110 | 148 | 2200 | 0% | |

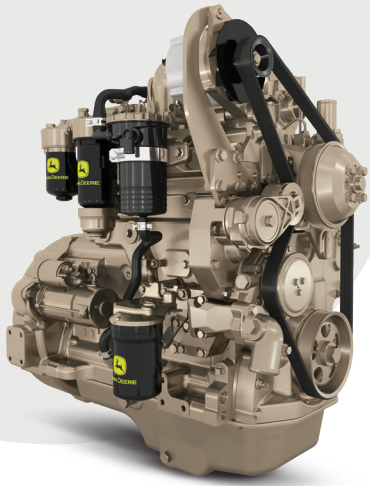
 **Restricted rating*

| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 63 – 110 kW (84 – 148 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Wastegate (WGT) |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 870 | 34 | 650 | 26 | 1050 | 41 | 550 | 1213 |

| | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | | |
| | 427 | 315 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | 506 | 374 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | 493 | 364 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | 536 | 396 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | 540 | 398 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | 540 | 398 | 1600 | ■ | ■ | ■ | ■ | 2 | 3 |
| | | | | | | | | | |
| | 333 | 246 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 333 | 246 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 363 | 268 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 363 | 268 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 391 | 288 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 391 | 288 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 427 | 315 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 427 | 315 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 461 | 340 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 506 | 374 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 493 | 364 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 536 | 396 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 540 | 399 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 540 | 399 | 1600 | ■ | ■ | - | ■ | 2 | 3 |
| | 540 | 399 | 1400 | ■ | ■ | - | ■ | 2 | 3 |

# 4.5G IHR



*Base Machine Codes: 4650CD, 4650PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 55 | 74 | 2400 | 55 | 74 | 2400 | 0% | |
| 55 | 74 | 2200 | 55 | 74 | 2200 | 0% | |
| 74 | 99 | 2100 | 92 | 123 | 1650 | 24% | |
| 86 | 115 | 2100 | 98 | 131 | 1800 | 14% | |
| 96 | 129 | 2100 | 102 | 137 | 1900 | 6% | |
| 104 | 140 | 2100 | 107 | 143 | 1900 | 3% | |
| 110 | 148 | 2100 | 110 | 148 | 2000 | 0% | |
| **EPA Final Tier 4** | | | | | | | |
| 74 | 99 | 2200 | 75 | 101 | 1950 | 1% | |
| 86 | 115 | 2200 | 88 | 118 | 1850 | 2% | |
| 93 | 125 | 2200 | 94 | 126 | 1850 | 1% | |
| 104 | 140 | 2200 | 104 | 140 | 2200 | 0% | |
| 110 | 148 | 2200 | 110 | 148 | 2200 | 0% | |

| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 55 – 110 kW (74 – 148 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Wastegate (WGT) |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 870 | 34 | 663 | 26 | 1024 | 40 | 506 | 1116 |

| R | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | | |
| | 304 | 224 | 1600 | - | ■ | ■ | - | 2 | - |
| | 304 | 224 | 1600 | - | ■ | ■ | - | 2 | - |
| | 551 | 406 | 1600 | - | ■ | ■ | ■ | 2 | 2 |
| | 562 | 415 | 1600 | - | ■ | ■ | ■ | 2 | 2 |
| | 574 | 423 | 1600 | - | ■ | ■ | ■ | 2 | 2 |
| | 586 | 432 | 1600 | - | ■ | ■ | ■ | 2 | 2 |
| | 586 | 432 | 1600 | - | ■ | ■ | ■ | 2 | 2 |
| | | | | | | | | | |
| | 427 | 315 | 1600 | - | ■ | - | ■ | 2 | 2 |
| | 506 | 374 | 1600 | - | ■ | - | ■ | 2 | 2 |
| | 536 | 396 | 1600 | - | ■ | - | ■ | 2 | 2 |
| | 540 | 399 | 1600 | - | ■ | - | ■ | 2 | 2 |
| | 540 | 399 | 1600 | - | ■ | - | ■ | 2 | 2 |

# JD4G IHR NEXT GEN



*Base Machine Code: 5000PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 63 | 84 | 2200 | 68 | 91 | 2000 | 8% | |
| 75 | 100 | 2200 | 81 | 109 | 2000 | 8% | |
| 86 | 115 | 2200 | 93 | 125 | 2000 | 8% | |
| 93 | 125 | 2200 | 100 | 134 | 2000 | 8% | |
| 105 | 141 | 2200 | 113 | 152 | 2000 | 8% | |
| 120 | 161 | 2200 | 120 | 161 | 2200 | 0% | |
| 129* | 173 | 2200 | 129 | 173 | 2200 | 0% | |

**Restricted rating*



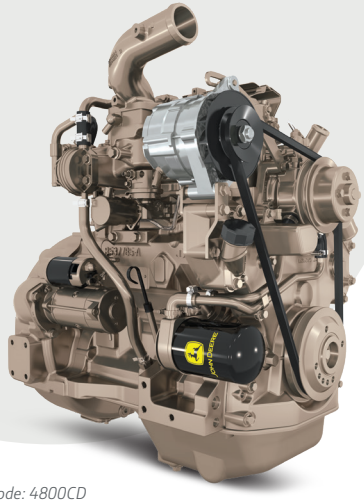
| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 3.9L |
| **POWER RANGE** | 63 – 129 kW (84 – 173 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Wastegate (WGT) |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 823 | 32 | 655 | 26 | 844 | 33 | 474 | 1045 |

| R | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | | |
| | 364 | 268 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 433 | 319 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 497 | 367 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 537 | 396 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 606 | 447 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 700 | 516 | 1400 | - | ■ | ■ | ■ | 2 | 2 |
| | 717 | 516 | 1300 | - | ■ | ■ | ■ | 2 | 2 |



# 2.9G IHR



*Base Machine Code: 4800CD*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Final Tier 4/EU Stage V** | | | | | | | |
| 36 | 48 | 2400 | 36 | 48 | 2400 | 0% | |
| 36 | 48 | 2200 | 36 | 48 | 2200 | 0% | |
| 48 | 64 | 2400 | 48 | 64 | 2400 | 0% | |
| 48 | 64 | 2200 | 48 | 64 | 2200 | 0% | |
| 55 | 74 | 2400 | 55 | 74 | 2400 | 0% | |
| 55 | 74 | 2200 | 55 | 74 | 2200 | 0% | |



| | |
|---|---|
| **ENGINE TYPE** | 3-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 2.9L |
| **POWER RANGE** | 36 – 55 kW (48 – 74 hp) |
| **EMISSIONS** | EPA Final Tier 4/EU Stage V |
| **TURBOCHARGER** | Wastegate (WGT) |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 715 | 28 | 596 | 24 | 956 | 38 | 400 | 882 |

| R | PEAK TORQUE | | | EMISSIONS TECHNOLOGY | | | | EXHAUST CANISTER SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | EGR | DOC | DPF | SCR | EF | SCR |
| | | | | | | | | | |
| | 192 | 142 | 1600 | - | ■ | ■ | - | 2 | - |
| | 209 | 154 | 1600 | - | ■ | ■ | - | 2 | - |
| | 254 | 187 | 1600 | - | ■ | ■ | - | 2 | - |
| | 280 | 207 | 1600 | - | ■ | ■ | - | 2 | - |
| | 292 | 215 | 1600 | - | ■ | ■ | - | 2 | - |
| | 304 | 224 | 1600 | - | ■ | ■ | - | 2 | - |



# POWER RATINGS ››



NEXT GEN

**JD14X ILR** — *391 – 510 kW (524 – 684 hp)*



NEXT GEN

**JD14P ILR** — *300 – 410 kW (402 – 550 hp)*



**9.0X ILR** — *168 – 298 kW (225 – 400 hp)*



**9.0P ILR** — *172 – 286 kW (231 – 384 hp)*



**6.8X ILR** — *134 – 205 kW (180 – 275 hp)*



**6.8P ILR** — *104 – 149 kW (140 – 200 hp)*



**6.8G ILR** — *93 – 157 kW (125 – 210 hp)*



**4.5X ILR** — *111 – 129 kW (149 – 173 hp)*



**4.5P ILR** — *63 – 104 kW (84 – 140 hp)*



**4.5G ILR** — *55 – 104 kW (74 – 140 hp)*



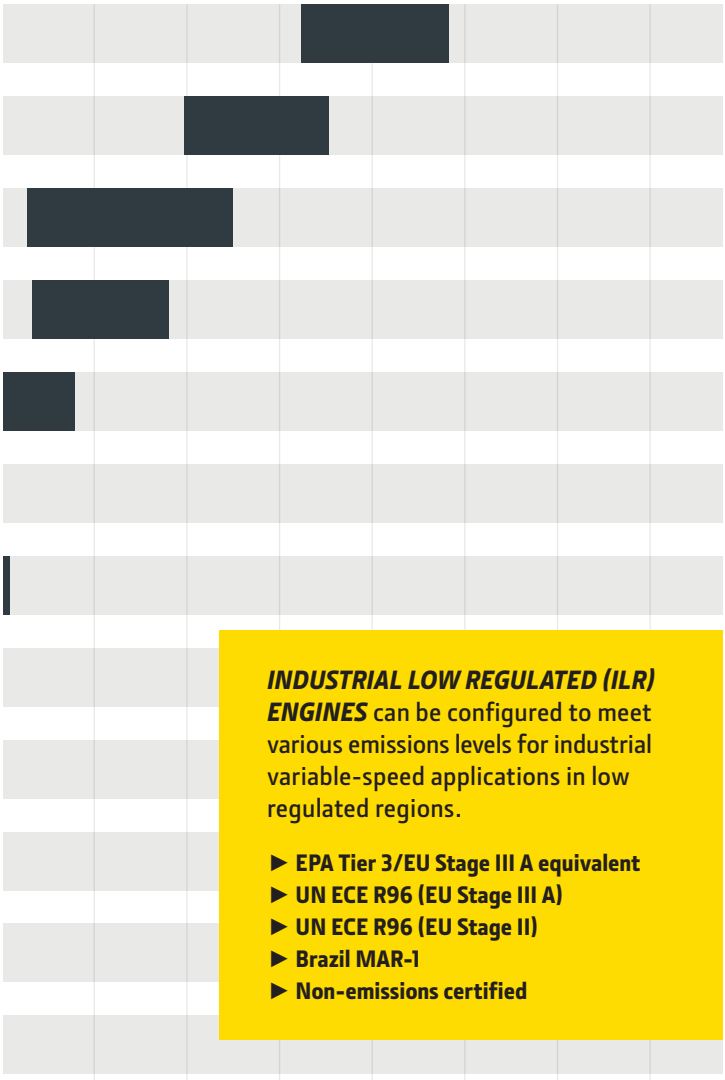
NEXT GEN

**JD4G ILR** — *63 – 110 kW (84 – 148 hp)*



**2.9G ILR** — *43 – 52 kW (58 – 70 hp)*

kW 0 75 149
hp 0 100 200



***INDUSTRIAL LOW REGULATED (ILR) ENGINES*** can be configured to meet various emissions levels for industrial variable-speed applications in low regulated regions.

- **EPA Tier 3/EU Stage III A equivalent**
- **UN ECE R96 (EU Stage III A)**
- **UN ECE R96 (EU Stage II)**
- **Brazil MAR-1**
- **Non-emissions certified**

9 224 298 373 448 522 597 671
0 300 400 500 600 700 800 900

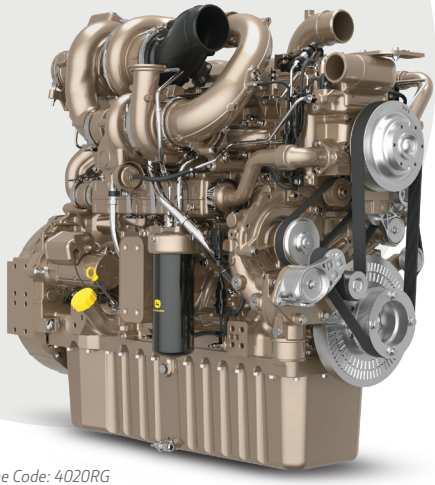
# SPECIFICATIONS ››

| ENGINE MODEL | TYPE | DISPL. | VALVES | ASPIRATION | | | TURBO | CONTROLS | E |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nat. Asp. | Turbo | Turbo Air-Air | | | |
| ***JD14X ILR*** | L6 | 13.6L | 4-valve | - | - | ■ | Series | Electronic | |
| ***JD14P ILR*** | L6 | 13.6L | 4-valve | - | - | ■ | WGT | Electronic | |
| ***9.0X ILR*** | L6 | 9.0L | 4-valve | - | - | ■ | VGT | Electronic | |
| ***9.0P ILR*** | L6 | 9.0L | 4-valve | - | - | ■ | Fixed | Electronic | |
| ***6.8X ILR*** | L6 | 6.8L | 4-valve | - | - | ■ | VGT | Electronic | |
| ***6.8P ILR*** | L6 | 6.8L | 2-valve | - | - | ■ | Fixed | Electronic | |
| ***6.8G ILR*** | L6 | 4.5L | 4-valve | - | - | ■ | Fixed | Mechanical | |
| | | | | - | ■ | - | Fixed | Mechanical | |
| | | | | ■ | - | - | - | Mechanical | |
| ***4.5X ILR*** | L4 | 4.5L | 4-valve | - | - | ■ | VGT | Electronic | |
| ***4.5P ILR*** | L4 | 4.5L | 2-valve | - | - | ■ | Fixed | Electronic | |
| | | | | - | ■ | - | Fixed | Electronic | |
| ***4.5G ILR*** | L4 | 4.5L | 2-valve | - | - | ■ | Fixed | Mechanical | |
| | | | | - | ■ | - | Fixed | Mechanical | |
| | | | | - | - | ■ | Fixed | Mechanical | |
| | | | | - | ■ | - | Fixed | Mechanical | |
| | | | | ■ | - | - | - | Mechanical | |
| ***JD4G ILR*** | L4 | 3.9L | 2-valve | - | - | ■ | WGT | Electronic | |
| ***2.9G ILR*** | L3 | 2.9L | 2-valve | - | ■ | - | Fixed | Mechanical | |
| | | | | ■ | - | - | - | Mechanical | |

 **Nat. Asp.** = Naturally aspirated // **Turbo** = Turbocharged // **Turbo Air-Air** = Turbocharged air-to-air cooled

| LS | EGR | EMISSIONS | POWER RATINGS |
|---|---|---|---|
| c | ■ | EPA Tier 3/EU Stage III A equivalent | 391 – 510 kW (524 – 684 hp) |
| c | - | Non-emissions certified | 300 – 410 kW (402 – 550 hp) |
| c | ■ | EPA Tier 3/EU Stage III A equivalent | 168 – 298 kW (225 – 400 hp) |
| c | - | EPA Tier 2/EU Stage II equivalent | 172 – 286 kW (231 – 384 hp) |
| c | ■ | EPA Tier 3/EU Stage III A equivalent | 134 – 205 kW (180 – 275 hp) |
| c | - | EPA Tier 3/EU Stage III A equivalent | 104 – 149 kW (140 – 200 hp) |
| al | - | Non-emissions certified | 143 – 157 kW (192 – 210 hp) |
| al | - | Non-emissions certified | 94 – 138 kW (126 – 185 hp) |
| al | - | Non-emissions certified | 93 kW (125 hp) |
| c | ■ | EPA Tier 3/EU Stage III A equivalent | 111 – 129 kW (149 – 173 hp) |
| c | - | EPA Tier 3/EU Stage III A equivalent | 86 – 104 kW (115 – 140 hp) |
| c | - | EPA Tier 3/EU Stage III A equivalent | 63 – 74 kW (84 – 99 hp) |
| al | - | EPA Tier 3/EU Stage III A equivalent | 74 kW (99 hp) |
| al | - | EPA Tier 3/EU Stage III A equivalent | 55 – 63 kW (74 – 85 hp) |
| al | - | Non-emissions certified | 104 kW (140 hp) |
| al | - | Non-emissions certified | 67 – 93 kW (89 – 125 hp) |
| al | - | Non-emissions certified | 55 – 60 kW (74 – 80 hp) |
| c | ■ | EPA Tier 3/EU Stage III A equivalent | 63 – 110 kW (84 – 148 hp) |
| al | - | Non-emissions certified | 52 kW (70 hp) |
| al | - | Non-emissions certified | 43 kW (58 hp) |

# JD14X ILR NEXT GEN



*Base Machine Code: 4020RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **UN ECE R96 (EU Stage III A)** | | | | | | | |
| 391 | 524 | 2100 | 421 | 565 | 1900 | 8% | 2 |
| 436 | 585 | 2100 | 446 | 598 | 1800 | 2% | 2 |
| 485 | 650 | 2100 | 495 | 664 | 1900 | 2% | 3 |
| 510 | 684 | 2100 | 510 | 684 | 1700 | 0% | 3 |



## INDUSTRIAL LOW REGULATED ENGINES

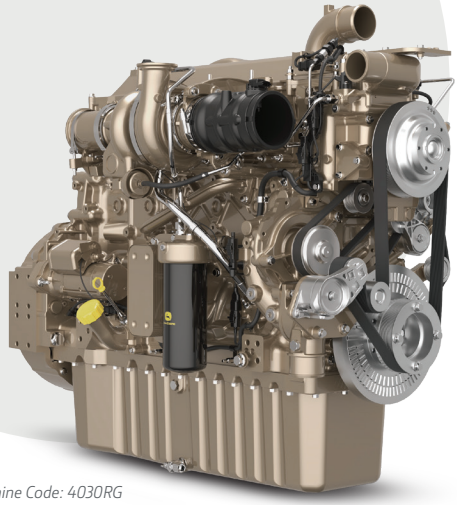
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 13.6L |
| **POWER RANGE** | 300 – 410 kW (402 – 550 hp) |
| **EMISSIONS** | UN ECE R96 (EU Stage III A) |
| **FUEL SYSTEM** | Electronic |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1464 | 58 | 863 | 34 | 1360 | 54 | 1552 | 3422 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 2495 | 1840 | 1550 | Turbo Air-Air | Series | ■ | ■ | - | - |
| | 2745 | 2025 | 1550 | Turbo Air-Air | Series | ■ | ■ | - | - |
| | 3050 | 2250 | 1550 | Turbo Air-Air | Series | ■ | ■ | - | - |
| | 3050 | 2250 | 1550 | Turbo Air-Air | Series | ■ | ■ | - | - |



# JD14P ILR NEXT GEN



*Base Machine Code: 4030RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **Non-emissions certified** | | | | | | | |
| 300 | 402 | 2100 | 324 | 434 | 1900 | 8% | 1 |
| 336 | 450 | 2100 | 363 | 486 | 1900 | 8% | 2 |
| 373 | 500 | 2100 | 403 | 540 | 1900 | 8% | 2 |
| 391 | 524 | 2100 | 421 | 565 | 1900 | 8% | 2 |
| 410 | 550 | 2100 | 421 | 565 | 1900 | 3% | 2 |



# INDUSTRIAL LOW REGULATED ENGINES

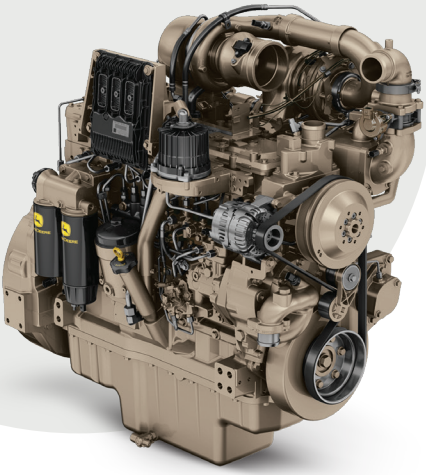
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 13.6L |
| **POWER RANGE** | 300 – 410 kW (402 – 550 hp) |
| **EMISSIONS** | Non-emissions certified |
| **FUEL SYSTEM** | Electronic |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1494 | 59 | 858 | 34 | 1360 | 54 | 1461 | 3221 |

| PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|
| Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | |
| 1986 | 1465 | 1550 | Turbo Air-Air | WGT | ■ | - | - | - |
| 2180 | 1608 | 1550 | Turbo Air-Air | WGT | ■ | - | - | - |
| 2397 | 1768 | 1550 | Turbo Air-Air | WGT | ■ | - | - | - |
| 2495 | 1840 | 1550 | Turbo Air-Air | WGT | ■ | - | - | - |
| 2510 | 1851 | 1550 | Turbo Air-Air | WGT | ■ | - | - | - |



# 9.0X ILR



*Base Machine Code: 4100RG*

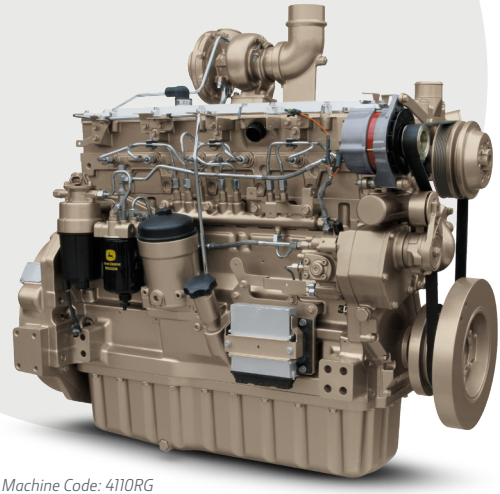
| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **EPA Tier 3/EU Stage III A equivalent** | | | | | | | |
| 168 | 225 | 2000 | 187 | 251 | 1800 | 11% | 1 |
| 168 | 225 | 2200 | 187 | 251 | 2000 | 11% | 1 |
| 168 | 225 | 2200 | 168 | 225 | 2200 | 0% | |
| 187 | 251 | 2000 | 205 | 275 | 1800 | 10% | |
| 187 | 251 | 2200 | 205 | 275 | 2000 | 10% | |
| 187 | 251 | 2200 | 187 | 251 | 2200 | 0% | 1 |
| 205 | 275 | 2000 | 224 | 301 | 1800 | 9% | |
| 205 | 275 | 2200 | 224 | 301 | 1800 | 9% | |
| 205 | 275 | 2200 | 205 | 275 | 2200 | 0% | |
| 224 | 300 | 2000 | 243 | 325 | 1800 | 8% | |
| 224 | 300 | 2200 | 243 | 325 | 2000 | 8% | |
| 224 | 300 | 2200 | 224 | 300 | 2200 | 0% | |
| 242 | 325 | 2000 | 261 | 350 | 1800 | 8% | 1 |
| 242 | 325 | 2200 | 261 | 350 | 2000 | 8% | 1 |
| 242 | 325 | 2200 | 242 | 325 | 2200 | 0% | |
| 261 | 350 | 2000 | 279 | 375 | 1800 | 7% | 1 |
| 261 | 350 | 2200 | 280 | 375 | 2000 | 7% | 1 |
| 261 | 350 | 2200 | 261 | 350 | 2200 | 0% | 1 |
| 280 | 375 | 2200 | 280 | 375 | 2200 | 0% | 1 |
| 298 | 400 | 2200 | 298 | 400 | 2200 | 0% | 1 |

| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 9.0L |
| **POWER RANGE** | 168 – 298 kW (225 – 400 hp) |
| **EMISSIONS** | EPA Tier 3/EU Stage III A equivalent |
| **FUEL SYSTEM** | Electronic |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1208 | 48 | 630 | 25 | 1113 | 44 | 901 | 1986 |

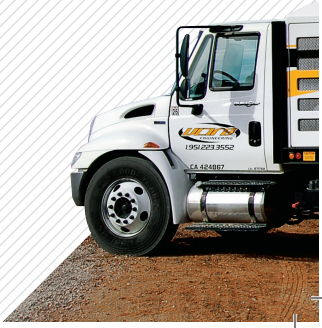
| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 1095 | 807 | 1500 | Turbo Air-Air | VGT | ■ | - | - | - |
| | 1095 | 807 | 1500 | Turbo Air-Air | VGT | ■ | - | - | - |
| | 984 | 726 | 1500 | Turbo Air-Air | VGT | ■ | - | - | - |
| | 1201 | 886 | 1500 | Turbo Air-Air | VGT | ■ | - | - | - |
| | 1201 | 886 | 1500 | Turbo Air-Air | VGT | ■ | - | - | - |
| | 1095 | 807 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1313 | 968 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1313 | 968 | 1500 | Turbo Air-Air | VGT | ■ | - | ■ | |
| | 1201 | 886 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1421 | 1048 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1421 | 1048 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1313 | 968 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1530 | 1128 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1530 | 1128 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1421 | 1048 | 1500 | Turbo Air-Air | VGT | ■ | - | ■ | |
| | 1554 | 1146 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1543 | 1138 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1530 | 1128 | 1500 | Turbo Air-Air | VGT | ■ | - | ■ | |
| | 1543 | 1138 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |
| | 1550 | 1143 | 1500 | Turbo Air-Air | VGT | ■ | - | - | |

# 9.0P ILR



*Base Machine Code: 4110RG*

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | |
| **UN ECE R96 (EU Stage II)** | | | | | | | |
| 172 | 231 | 2200 | 206 | 276 | 1800 | 20% | 1 |
| 219 | 294 | 2200 | 248 | 333 | 2000 | 13% | 1 |
| 239 | 321 | 2200 | 272 | 365 | 2000 | 14% | 1 |
| 261 | 350 | 2200 | 298 | 400 | 2000 | 14% | 1 |
| 286 | 384 | 2200 | 298 | 400 | 2000 | 4% | 1 |



# INDUSTRIAL LOW REGULATED ENGINES

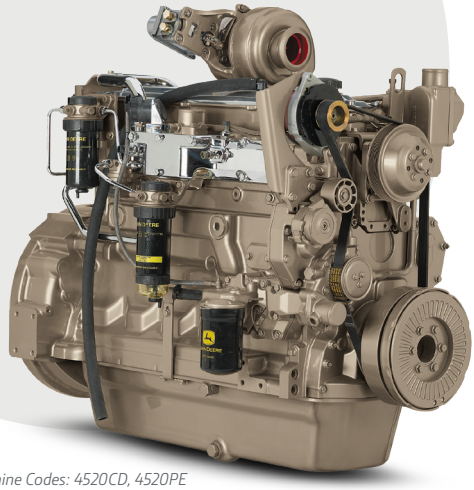
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 9.0L |
| **POWER RANGE** | 172 – 286 kW (231 – 384 hp) |
| **EMISSIONS** | UN ECE R96 (EU Stage II) |
| **FUEL SYSTEM** | Electronic |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1211 | 48 | 633 | 25 | 1260 | 50 | 1097 | 2418 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | 1200 | 885 | 1600 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 1228 | 906 | 1600 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 1349 | 995 | 1600 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 1474 | 1087 | 1600 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 1474 | 1087 | 1600 | Turbo Air-Air | Fixed | ■ | ■ | - | - |



# 6.8X ILR



*Base Machine Codes: 4520CD, 4520PE*

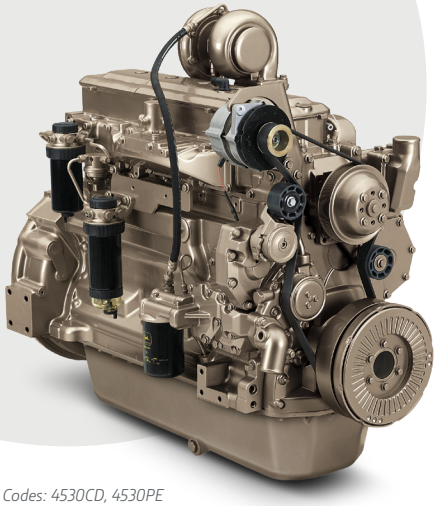
| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **EPA Tier 3/EU Stage III A equivalent** | | | | | | |
| 134 | 180 | 2000 | 138 | 184 | 1600 | 3% |
| 138 | 185 | 2000 | 144 | 193 | 2000 | 4% |
| 138 | 185 | 1800 | 151 | 203 | 1800 | 9% |
| 138 | 185 | 2400 | 138 | 185 | 2400 | 0% |
| 144 | 193 | 2000 | 151 | 203 | 1800 | 5% |
| 144 | 193 | 2000 | 153 | 205 | 1700 | 6% |
| 149 | 200 | 2200 | 162 | 218 | 2000 | 9% |
| 149 | 200 | 2200 | 168 | 226 | 1800 | 13% |
| 149 | 200 | 2400 | 149 | 200 | 2400 | 0% |
| 162 | 217 | 2000 | 168 | 226 | 1800 | 4% |
| 162 | 217 | 2000 | 168 | 226 | 1800 | 4% |
| 168 | 225 | 2200 | 181 | 242 | 2000 | 8% |
| 168 | 225 | 2200 | 185 | 247 | 1800 | 10% |
| 168 | 225 | 2400 | 168 | 225 | 2400 | 0% |
| 181 | 243 | 2000 | 185 | 247 | 1800 | 2% |
| 187 | 251 | 2200 | 198 | 266 | 2000 | 6% |
| 187 | 251 | 2400 | 187 | 251 | 2400 | 0% |
| 205 | 275 | 2400 | 205 | 275 | 2400 | 0% |

| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 6.8L |
| **POWER RANGE** | 134 – 205 kW (180 – 275 hp) |
| **EMISSIONS** | EPA Tier 3/EU Stage III A equivalent |
| **FUEL SYSTEM** | Electronic |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1120 | 44 | 611 | 24 | 1058 | 42 | 678 | 1495 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | 838 | 618 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 744 | 549 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 838 | 618 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 690 | 509 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 838 | 618 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 934 | 689 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 838 | 618 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 934 | 689 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 744 | 549 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 934 | 689 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 1025 | 756 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 934 | 689 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 1025 | 756 | 1400 | Turbo Air-Air | VGT | ■ | ■ | - | ■ |
| | 838 | 618 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 1025 | 756 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 1025 | 756 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 934 | 689 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 1025 | 756 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |

# 6.8P ILR



*Base Machine Codes: 4530CD, 4530PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **UN ECE R96 (EU Stage III A)** | | | | | | |
| 104 | 140 | 2200 | 111 | 149 | 2000 | 7% |
| 104 | 140 | 2400 | 104 | 140 | 2400 | 0% |
| 116 | 155 | 2200 | 124 | 166 | 2000 | 7% |
| 116 | 155 | 2400 | 116 | 156 | 2400 | 0% |
| 129 | 173 | 2200 | 132 | 177 | 2000 | 2% |
| 129 | 173 | 2400 | 129 | 173 | 2400 | 0% |
| 138 | 185 | 2200 | 144 | 193 | 2000 | 4% |
| 138 | 185 | 2400 | 138 | 185 | 2400 | 0% |
| 149 | 200 | 2400 | 149 | 200 | 2400 | 0% |



# INDUSTRIAL LOW REGULATED ENGINES

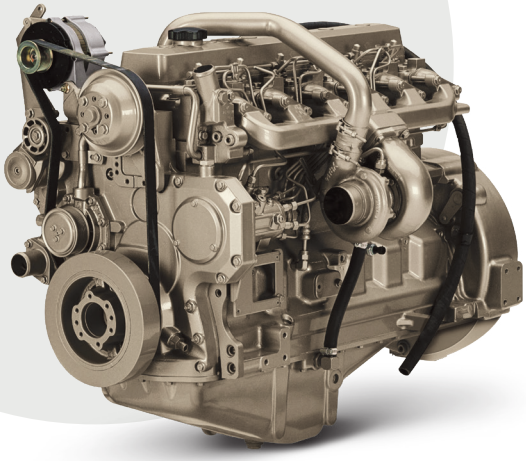
| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 6.8L |
| **POWER RANGE** | 104 – 149 kW (140 – 200 hp) |
| **EMISSIONS** | UN ECE R96 (EU Stage III A) |
| **FUEL SYSTEM** | Electronic |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1123 | 44 | 657 | 26 | 1036 | 41 | 608 | 1340 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | 598 | 441 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 538 | 397 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 667 | 492 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 598 | 441 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 714 | 527 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 667 | 492 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | ■ | - |
| | 785 | 579 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 714 | 527 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |
| | 785 | 579 | 1500 | Turbo Air-Air | Fixed | ■ | ■ | - | - |



# 6.8G ILR



*Base Machine Codes: 4540CD, 4540PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **Non-emissions certified** | | | | | | |
| 93* | 125 | 2500 | 93 | 125 | 2500 | 0% |
| 94 | 126 | 2200 | 94 | 126 | 2200 | 0% |
| 96 | 129 | 2100 | 96 | 129 | 2100 | 0% |
| 110 | 148 | 2100 | 110 | 148 | 2100 | 0% |
| 110 | 148 | 2300 | 110 | 148 | 2300 | 0% |
| 116 | 155 | 2500 | 116 | 155 | 2500 | 0% |
| 117 | 157 | 2200 | 117 | 157 | 2200 | 0% |
| 127* | 170 | 2500 | 127 | 170 | 2500 | 0% |
| 106 | 142 | 2200 | 106 | 142 | 2200 | 0% |
| 128 | 172 | 2300 | 128 | 172 | 2300 | 0% |
| 138 | 185 | 2400 | 138 | 185 | 2400 | 0% |
| 143 | 192 | 2200 | 143 | 192 | 2200 | 0% |
| 157 | 210 | 2400 | 157 | 210 | 2400 | 0% |

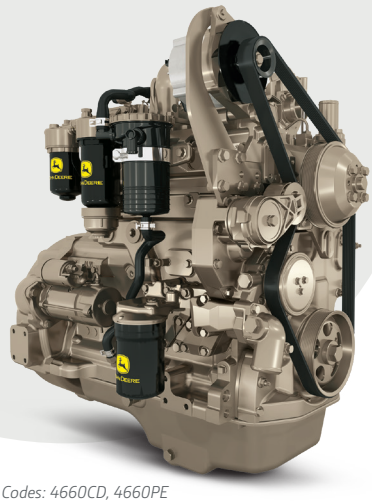
**Power unit available with factory-mounted cooling package.*

| | |
|---|---|
| **ENGINE TYPE** | 6-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 6.8L |
| **POWER RANGE** | 93 – 157 kW (125 – 210 hp) |
| **EMISSIONS** | Non-emissions certified |
| **FUEL SYSTEM** | Mechanical |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 1123 | 44 | 623 | 25 | 1015 | 40 | 550 | 1213 |

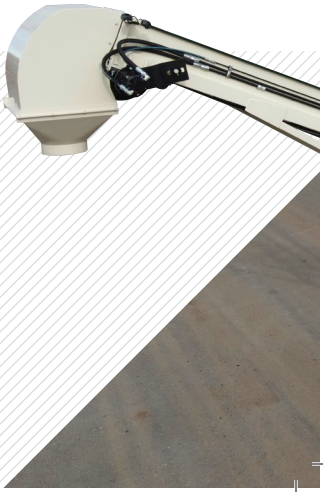
| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | 448 | 330 | 1200 | Nat. Asp. | - | ■ | - | - | ■ |
| | 546 | 402 | 1400 | Turbo | Fixed | ■ | - | - | - |
| | 581 | 428 | 1200 | Turbo | Fixed | ■ | - | - | - |
| | 650 | 443 | 1400 | Turbo | Fixed | ■ | - | - | - |
| | 594 | 438 | 1300 | Turbo | Fixed | ■ | - | - | - |
| | 578 | 426 | 1200 | Turbo | Fixed | ■ | - | - | ■ |
| | 589 | 434 | 1200 | Turbo | Fixed | ■ | - | - | - |
| | 606 | 447 | 1200 | Turbo | Fixed | ■ | - | - | ■ |
| | 614 | 453 | 1400 | Turbo | Fixed | ■ | - | - | - |
| | 668 | 493 | 1400 | Turbo | Fixed | ■ | - | - | - |
| | 656 | 484 | 1400 | Turbo | Fixed | ■ | - | - | ■ |
| | 749 | 553 | 1300 | Turbo Air-Air | Fixed | ■ | - | - | - |
| | 771 | 568 | 1400 | Turbo Air-Air | Fixed | ■ | - | - | ■ |

# 4.5X ILR



*Base Machine Codes: 4660CD, 4660PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **EPA Tier 3/EU Stage III A equivalent** | | | | | | |
| 111 | 149 | 2000 | 116 | 156 | 1800 | 5% |
| 116 | 155 | 2200 | 125 | 167 | 2000 | 8% |
| 116 | 155 | 2400 | 116 | 155 | 2400 | 0% |
| 129 | 173 | 2400 | 129 | 173 | 2400 | 0% |



# INDUSTRIAL LOW REGULATED ENGINES

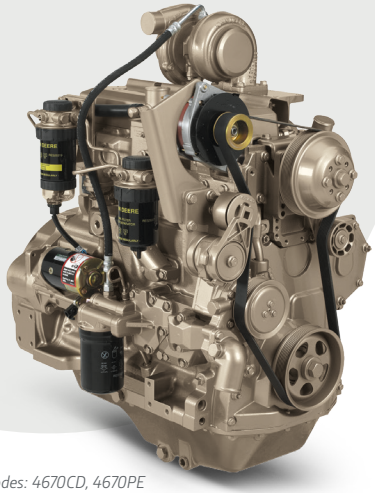
| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 4-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 111 – 129 kW (149 – 173 hp) |
| **EMISSIONS** | EPA Tier 3/EU Stage III A equivalent |
| **FUEL SYSTEM** | Electronic |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 867 | 34 | 623 | 25 | 1055 | 42 | 517 | 1140 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 645 | 476 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 645 | 476 | 1400 | Turbo Air-Air | VGT | ■ | ■ | - | ■ |
| | 574 | 424 | 1400 | Turbo Air-Air | VGT | ■ | - | - | ■ |
| | 645 | 476 | 1400 | Turbo Air-Air | VGT | ■ | ■ | - | ■ |



# 4.5P ILR



*Base Machine Codes: 4670CD, 4670PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **EPA Tier 3/EU Stage III A equivalent** | | | | | | |
| 63 | 84 | 2200 | 65 | 87 | 2000 | 3% |
| 63 | 84 | 2400 | 63 | 84 | 2400 | 0% |
| 74 | 99 | 2200 | 74 | 99 | 2200 | 0% |
| 74 | 99 | 2400 | 74 | 99 | 2400 | 0% |
| 86 | 115 | 2200 | 89 | 120 | 2000 | 3% |
| 86 | 115 | 2400 | 86 | 115 | 2400 | 0% |
| 93 | 125 | 2200 | 99 | 133 | 2000 | 6% |
| 93 | 125 | 2400 | 93 | 125 | 2400 | 0% |
| 104 | 140 | 2400 | 104 | 140 | 2400 | 0% |



# INDUSTRIAL LOW REGULATED ENGINES

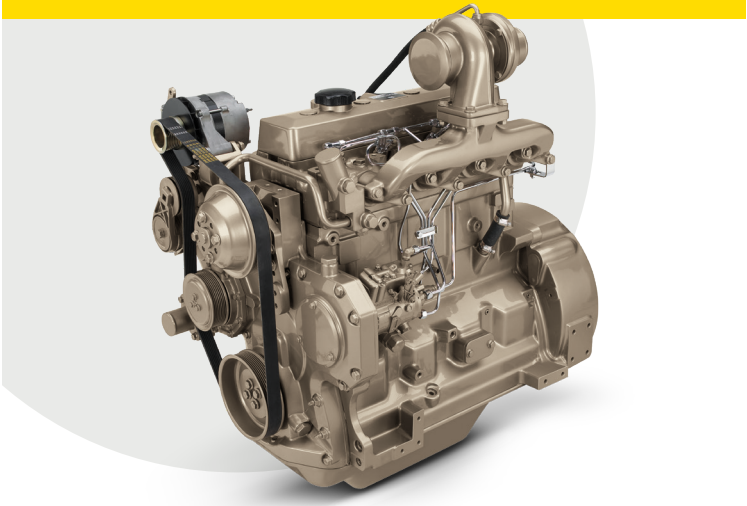
| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 63 – 104 kW (85 – 140 hp) |
| **EMISSIONS** | EPA Tier 3/EU Stage III A equivalent |
| **FUEL SYSTEM** | Electronic |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 860 | 34 | 612 | 24 | 1039 | 41 | 491 | 1083 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 353 | 261 | 1600 | Turbo | Fixed | ■ | - | - | - |
| | 313 | 231 | 1600 | Turbo | Fixed | ■ | - | - | - |
| | 370 | 273 | 1600 | Turbo | Fixed | ■ | - | - | - |
| | 353 | 261 | 1600 | Turbo | Fixed | ■ | | - | - |
| | 481 | 355 | 1500 | Turbo Air-Air | Fixed | ■ | - | - | - |
| | 430 | 317 | 1500 | Turbo Air-Air | Fixed | ■ | - | ■ | - |
| | 525 | 387 | 1500 | Turbo Air-Air | Fixed | ■ | - | - | - |
| | 481 | 355 | 1500 | Turbo Air-Air | Fixed | ■ | - | - | - |
| | 525 | 387 | 1500 | Turbo Air-Air | Fixed | ■ | - | ■ | - |



# 4.5G ILR



*Base Machine Codes: 4680CD, 4680PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **EPA Tier 3/EU Stage III A equivalent** | | | | | | |
| 55 | 74 | 2400 | 55 | 74 | 2400 | 0% |
| 56 | 75 | 2400 | 56 | 75 | 2400 | 0% |
| 60 | 80 | 2400 | 60 | 80 | 2400 | 0% |
| 63 | 84 | 2400 | 63 | 85 | 2400 | 0% |
| 74 | 99 | 2200 | 74 | 99 | 2200 | 0% |
| 74 | 99 | 2400 | 74 | 99 | 2400 | 0% |
| **Non-emissions certified** | | | | | | |
| 55 | 74 | 2500 | 55 | 74 | 2500 | 0% |
| 60* | 80 | 2500 | 60 | 80 | 2500 | 0% |
| 67 | 89 | 2200 | 67 | 89 | 2200 | 0% |
| 74 | 99 | 2500 | 74 | 99 | 2500 | 0% |
| 78 | 105 | 2300 | 78 | 105 | 2300 | 0% |
| 85 | 114 | 2200 | 85 | 114 | 2200 | 0% |
| 86 | 115 | 2500 | 86 | 115 | 2500 | 0% |
| 93* | 125 | 2400 | 93 | 125 | 2400 | 0% |
| 104 | 140 | 2400 | 104 | 140 | 2400 | 0% |

**Power unit available with factory-mounted cooling package.*

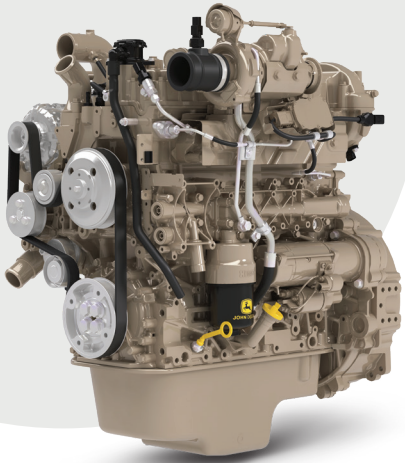
# INDUSTRIAL LOW REGULATED ENGINES

| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 4.5L |
| **POWER RANGE** | 55 – 104 kW (74 – 140 hp) |
| **EMISSIONS** | EPA Tier 3/EU Stage III A equivalent<br>Non-emissions certified |
| **FUEL SYSTEM** | Mechanical |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 860 | 34 | 612 | 24 | 856 | 34 | 387 | 851 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 265 | 195 | 1600 | Turbo | Fixed | ■ | - | - | ■ |
| | 271 | 200 | 1700 | Turbo | Fixed | ■ | - | - | - |
| | 286 | 210 | 1700 | Turbo | Fixed | ■ | - | - | ■ |
| | 302 | 223 | 1700 | Turbo | Fixed | ■ | - | - | ■ |
| | 383 | 282 | 1600 | Turbo Air-Air | Fixed | ■ | - | - | ■ |
| | 366 | 270 | 1600 | Turbo Air-Air | Fixed | ■ | - | - | ■ |
| | | | | | | | | | |
| | 283 | 209 | 1200 | Nat. Asp. | - | ■ | - | - | ■ |
| | 296 | 218 | 1400 | Nat. Asp. | - | ■ | - | - | ■ |
| | 374 | 276 | 1200 | Turbo | Fixed | ■ | - | - | - |
| | 372 | 274 | 1400 | Turbo | Fixed | ■ | - | - | ■ |
| | 401 | 296 | 1300 | Turbo | Fixed | ■ | - | - | - |
| | 446 | 329 | 1500 | Turbo | Fixed | ■ | - | - | - |
| | 395 | 291 | 1400 | Turbo | Fixed | ■ | - | - | ■ |
| | 450 | 328 | 1400 | Turbo | Fixed | ■ | - | - | ■ |
| | 498 | 367 | 1400 | Turbo Air-Air | Fixed | ■ | - | - | ■ |

# JD4G ILR NEXT GEN



*Base Machine Code: 5010PE*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **UN ECE R96 (EU Stage III A)** | | | | | | |
| 63 | 84 | 2200 | 68 | 91 | 2000 | 8% |
| 75 | 100 | 2200 | 81 | 109 | 2000 | 8% |
| 86 | 115 | 2200 | 93 | 125 | 2000 | 8% |
| 93 | 125 | 2200 | 100 | 134 | 2000 | 8% |
| 110 | 148 | 2200 | 110 | 148 | 2200 | 0% |



# INDUSTRIAL LOW REGULATED ENGINES

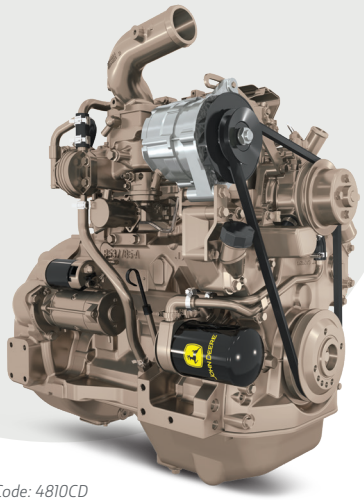
| | |
|---|---|
| **ENGINE TYPE** | 4-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 3.9L |
| **POWER RANGE** | 63 – 110 kW (84 – 148 hp) |
| **EMISSIONS** | UN ECE R96 (EU Stage III A) |
| **FUEL SYSTEM** | Electronic |
| **EGR** | External cooled EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 823 | 32 | 655 | 26 | 844 | 33 | 510 | 1124 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 365 | 269 | 1300 | Turbo Air-Air | WGT | - | ■ | - | - |
| | 433 | 319 | 1300 | Turbo Air-Air | WGT | - | ■ | - | - |
| | 497 | 367 | 1300 | Turbo Air-Air | WGT | - | ■ | - | - |
| | 537 | 396 | 1300 | Turbo Air-Air | WGT | - | ■ | - | - |
| | 642 | 474 | 1300 | Turbo Air-Air | WGT | - | ■ | - | - |



# 2.9G ILR



*Base Machine Code: 4810CD*

| RATED POWER | | | PEAK POWER | | | POWER BULGE |
|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % |
| **Non-emissions certified** | | | | | | |
| 43* | 58 | 2500 | 43 | 58 | 2500 | 0% |
| 52* | 70 | 2500 | 52 | 70 | 2500 | 0% |

**Power unit available with factory-mounted cooling package.*



## INDUSTRIAL LOW REGULATED ENGINES

| | |
|---|---|
| **ENGINE TYPE** | 3-cylinder, In-line, 2-valve |
| **DISPLACEMENT** | 2.9L |
| **POWER RANGE** | 43 – 52 kW (58 – 70 hp) |
| **EMISSIONS** | Non-emissions certified |
| **FUEL SYSTEM** | Mechanical |
| **EGR** | No EGR |

| SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Length | | Width | | Height | | Weight | |
| mm | in | mm | in | mm | in | kg | lb |
| 716 | 28 | 519 | 20 | 928 | 37 | 328 | 723 |

| R | PEAK TORQUE | | | TECHNOLOGY | | EMISSIONS | | | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Aspiration | Turbo | NC | R96 | MAR-1 | |
| | | | | | | | | | |
| | 193 | 141 | 1400 | Nat. Asp. | - | ■ | - | - | - |
| | 239 | 176 | 1600 | Turbo | Fixed | ■ | - | | - |



# EMERGENCY STATIONARY >>

| RATED POWER | | | PEAK POWER | | | POWER BULGE | |
|---|---|---|---|---|---|---|---|
| kW | hp | rpm | kW | hp | rpm | % | N |
| **9.0X ELR** | | | | | | | |
| 205 | 275 | 2200 | 205 | 275 | 2200 | 0% | 12 |
| 224 | 300 | 2200 | 224 | 300 | 2200 | 0% | 13 |
| **6.8X ELR** | | | | | | | |
| 149 | 200 | 2400 | 149 | 200 | 2400 | 0% | 7 |
| 168 | 225 | 2400 | 168 | 225 | 2400 | 0% | 8 |
| **6.8P ELR** | | | | | | | |
| 116 | 155 | 2400 | 116 | 155 | 2400 | 0% | 5 |
| **4.5P ELR** | | | | | | | |
| 74 | 99 | 2400 | 74 | 99 | 2400 | 0% | 3 |
| 86 | 115 | 2400 | 86 | 115 | 2400 | 0% | 4 |
| **4.5G ELR** | | | | | | | |
| 55 | 74 | 2400 | 55 | 74 | 2400 | 0% | 2 |
| 60 | 80 | 2400 | 60 | 80 | 2400 | 0% | 2 |
| 63 | 85 | 2400 | 63 | 85 | 2400 | 0% | 3 |
| 74 | 99 | 2200 | 74 | 99 | 2200 | 0% | 3 |
| 74 | 99 | 2400 | 74 | 99 | 2400 | 0% | 3 |

**Turbo** = Turbocharged // **Turbo Air-Air** = Turbocharged air-to-air cooled // **NSPS** = New Source Performance Standards



## LOW REGULATED ENGINES EPA TIER 3 (NSPS)

| R E | PEAK TORQUE | | | TECHNOLOGY | | | EMISSIONS | JET FUEL COMP. |
|---|---|---|---|---|---|---|---|---|
| | Nm | lb-ft | rpm | Controls | Aspiration | Turbo | EPA Tier 3 (NSPS) | |
| | | | | | | | | |
| | 1201 | 886 | 1500 | Electronic | Turbo Air-Air | VGT | ■ | - |
| | 1313 | 968 | 1500 | Electronic | Turbo Air-Air | VGT | ■ | - |
| | | | | | | | | |
| | 744 | 549 | 1400 | Electronic | Turbo Air-Air | VGT | ■ | ■ |
| | 838 | 618 | 1400 | Electronic | Turbo Air-Air | VGT | ■ | ■ |
| | | | | | | | | |
| | 598 | 441 | 1500 | Electronic | Turbo Air-Air | Fixed | ■ | - |
| | | | | | | | | |
| | 353 | 261 | 1600 | Electronic | Turbo | Fixed | ■ | - |
| | 430 | 317 | 1500 | Electronic | Turbo Air-Air | Fixed | ■ | - |
| | | | | | | | | |
| | 265 | 195 | 1700 | Mechanical | Turbo | Fixed | ■ | ■ |
| | 286 | 210 | 1700 | Mechanical | Turbo | Fixed | ■ | ■ |
| | 302 | 223 | 1700 | Mechanical | Turbo | Fixed | ■ | ■ |
| | 383 | 282 | 1600 | Mechanical | Turbo Air-Air | Fixed | ■ | ■ |
| | 366 | 270 | 1600 | Mechanical | Turbo Air-Air | Fixed | ■ | ■ |



# SERVICE ANL

## *Here for you wherever you go*

The proven John Deere network of 9,000+ parts and service locations is here to fully support you near worksites and waterways around the world. Our dealers and distributors keep John Deere maintenance and repair parts in stock to get you back to work quickly. John Deere also offers fast delivery options to help ensure that you get the parts you need, when you need them.

Find your closest John Deere engine distributor or service dealer at **JohnDeere.com/Dealer**. Ask them about the parts you need, or visit **JohnDeere.com/EngineParts**.



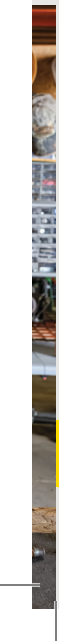
# 'D SUPPORT

### *Genuine John Deere Parts*
Original John Deere parts are your best choice for your newer machines.

### *Remanufactured Parts*
John Deere Reman parts help you cut costs, not quality.

### *Essentials by John Deere™ Parts*
Essential parts that provide an economical solution for John Deere equipment.

### *Maintenance Parts*
Protect your most valuable assets with Genuine John Deere batteries, oil, filters, grease, and coolants.



**9,000+**

***JOHN DEERE PARTS AND SERVICE LOCATIONS***

# SERVICE ANL

## *Warranty support when you need it*

Every John Deere engine comes with a 2-year/2,000-hour standard warranty. This warranty applies not only to the new OEM engine but also to most John Deere parts and accessories installed by a John Deere engine distributor at the time of initial delivery.* Registering your engine at **JohnDeere.com/OEMWarranty** gives us the information needed to stock the right service parts, maintenance products, and servicing tools.‡

**When sold and installed by John Deere or its authorized dealers and distributors.*
*‡See specific OEM product warranty language for applicable terms and conditions.*
*Note: The 2-year/2,000-hour standard warranty and OEM engine registration may not be available in all countries.*



# 'D SUPPORT

## *Equipment Mobile app*

Scan or enter your John Deere engine serial number to access basic engine information, view operator manuals, order parts, and more. Sign in or create an account to pair your JDLink™ modem and access additional resources, including emissions certificates.



# SERVICE ANL

## *John Deere Connected Support™*

**Stay Connected to What Counts**

Unlock proactive engine support and help avoid unplanned downtime with John Deere Connected Support remote monitoring and diagnostics.* This technology allows John Deere service experts to maximize the customer experience — utilizing machine health monitoring, predictive alerts, and remote diagnostics.

## *PowerGard™ Protection Plan*

**Extend Your Engine Warranty**

Get extended warranty coverage for up to five years or 10,000 hours with John Deere PowerGard Protection Plan.* It also protects John Deere components and accessories installed by an authorized John Deere dealer or distributor.

## *OEM Engine Maintenance Plans*

**Protection That Lasts**

John Deere OEM engine maintenance plans are the easiest way to get complete service managed by engine experts. Whether you have a new or used John Deere engine, you can get peace of mind, protect your investment, and lock in your maintenance costs.

**Contact your John Deere dealer or distributor for availability in certain countries and on specific engine models.*

# 'D SUPPORT




## *Engine registration*

Ready to unlock the benefits of the John Deere Lifecycle Service Solution? To get started, you'll need to register your John Deere engine by scanning the QR code found on your engine's primary fuel filter, fuel filter housing, or oil filter.

You can also visit **ProductRegistration.Deere.com** and enter your serial number manually to register your engine.

# CONVERSION

## *From English to SI (Metric)*

**Torque**
Nm = 1.3558 x lb-ft
lb-ft = .73756 x Nm
Nm = (9549 x kW)/rpm
lb-ft = (5252 x hp)/rpm

**Power**
kW = hp x .746
hp = kW x 1.341
kW = (torque (Nm) x rpm)/9549
hp = (torque (lb-ft) x rpm)/5252

**Torque rise**
% torque rise = max torque/torque at rated speed

**Power bulge**
Power bulge = maximum power/ power at rated speed

**Nm = Newton meters**

**lb-ft = foot-pounds**

**kW = kilowatts**

**hp = horsepower**


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