



Compact Versatile Diesel Engine



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# KIOTI Engines



# Range Extender

# Compact Intelligent Power

KIOTI has led the development of Korean agriculture for over 70 years. We have recorded countless ‘firsts’ in history to become the No. 1 agricultural machine company in Korea, but now we challenge ourselves to future agriculture for the new history of KIOTI and the future of Korean agriculture. Continuous challenge and innovation, and our will to contribute to society through agricultural development – this is the DNA of KIOTI.



Foundation date  
**1947**



Sales (2024, by IFRS connection standards)  
**1 Billion** USD (Approx.)



Capital  
**177 Million** USD (Approx.)



Number of exporting countries  
**70** countries (Approx.)



Domestic agricultural machine industry ranking  
**No.1**



Number of employees (as of December 2024)  
**1,022**



Diesel Engine production capacity  
**80,000**



Annual agricultural machine production capacity  
**130,000**



### World-Class KIOTI Diesel Engines

Through more than 65 years of continual innovation, the KIOTI engine line has been refined, enhanced and expanded upon, and is now recognized as one of the finest in the world. Today, KIOTI proudly produces high quality diesel engines ranging from 19-140 horsepower, all of which are built in line with EPA, EC, CARB, ISO 9001 and ISO 14001 certifications.

### KIOTI ECO Technology

KIOTI has achieved Tier 4 emissions regulation standards. With extensive and rigorous development, the latest Tier 4 family of KIOTI® engines deliver the same powerful and fuel efficient performance our customers have grown to expect.

# History

From compact diesel engines for small agricultural and construction equipment to high-output platforms for heavy-duty machines, Daedong has continuously expanded its diesel engine lineup over time.



**1949**  
Began engine manufacturing in Korea



**1956**  
Developed a 5.5 HP diesel engine



**1994**  
Developed 1.1L-2.2L diesel engines



**2007**  
Developed Tier 3 diesel engines, 1.0L-2.4L (16-60 hp)



**2011**  
Developed Tier 4 Final CRDI (DOC+DPF) diesel engines, 1.8L & 2.4L (30-73 hp)

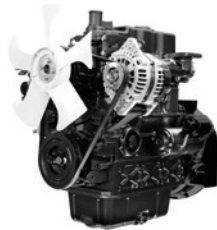
**2017**  
Developed Tier 4 Final CRDI (+SCR) diesel engine, 2.4L (85 hp)



**2021**  
Developed Tier 4 Final CRDI (DOC+DPF+SCR) diesel engine, 3.8L (95-140 hp)



Developed Tier 4 Final mechanical diesel engine, 1.2L (24.5 hp)

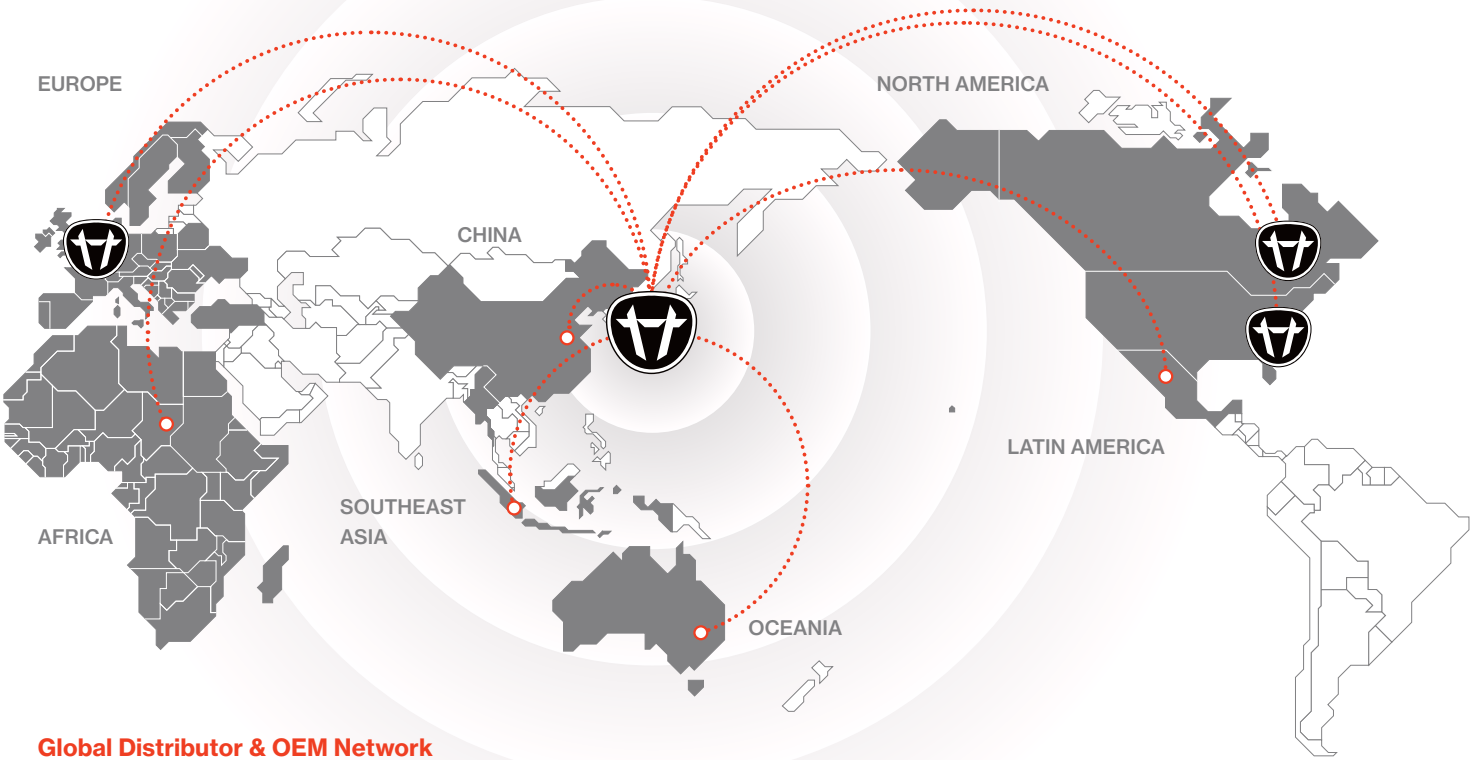


**2024**  
Certified HVO (Hydrotreated Vegetable Oil)



**2025**  
Mass production launched for the DOOSAN BOBCAT.

# Global Network



**Global Distributor & OEM Network**  
Daedong(KIOTI) engines are supplied through a global network of distributors and OEM partners. We support localized requirements with application know-how, documentation, and technical guidance across dozens of countries worldwide.

**Global Locations**  
Headquartered in South Korea, Daedong operates three overseas sales subsidiaries.



**1 Daedong Europe**  
Rotterdam, Netherlands  
Hamburg, Germany



**2 Daedong U.S.A.**  
North Carolina, U.S.A.



**3 Daedong Canada**  
Ontario, Canada



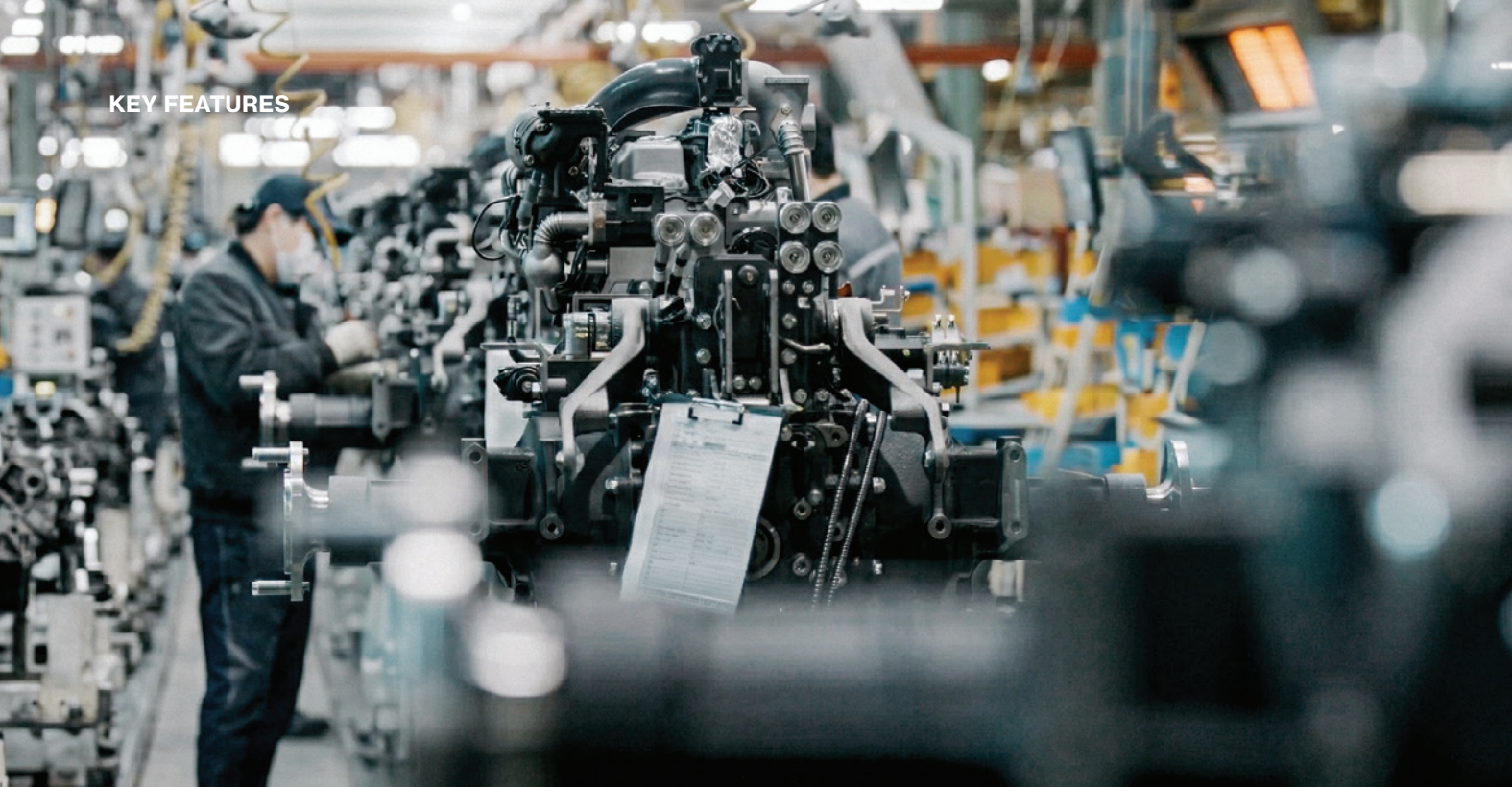
**4 Head Office & Factory**  
Daegu, South Korea



**5 R&D Center**  
Changnyeong, South Korea



**6 Seoul Office**  
Seoul, South Korea



# Achieves Best-in-Class Performance

SINCE 1964: WORLD-CLASS ENGINE  
MANUFACTURING & QUALITY

## 1



### Production

Since launching Korea's first single-cylinder diesel engine in 1964, Kioti has gone on to develop and manufacture its own multi-cylinder engines since 1983, exporting them to North America, Europe, and markets all around the world.

### Quality

From the first process to final assembly, every engine is managed under rigorous Statistical Process Control (SPC) and full traceability systems and must pass strict emissions assurance tests. We measure 18 key performance parameters to deliver engines that meet the highest standards of quality.

## 2



### ECO-FRIENDLY Power Driving the Future

Kioti engines fully comply with global environmental regulations, meeting North American Tier 4 Final and European Stage V standards, so they can be used in virtually any country worldwide. To ensure both today's and tomorrow's customers can enjoy a healthier, cleaner environment, we are committed to developing eco-friendly engines with low particulate emissions, low noise, and low vibration – and we are proactively preparing for even stricter emissions requirements.

## 3

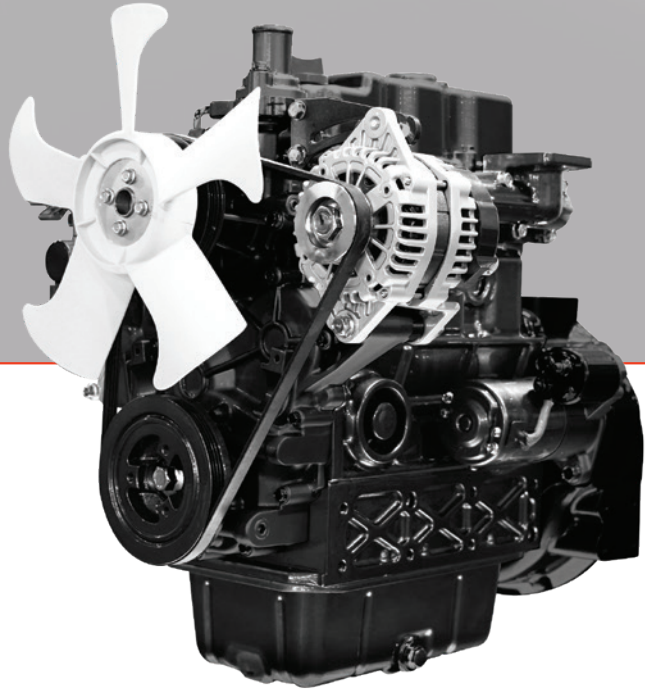


### One Engine Platform, Endless Applications

With a high level of parts commonality and a wide range of optional components, Kioti engines are engineered for seamless integration into a broad range of machines, from construction equipment, generators, small vessels, and agricultural machinery to autonomous machines, unmanned vehicles, mobile robotics, and remote power nodes. As a result, Kioti engines provide optimized power solutions tailored precisely to each customer's requirements and application.



# Industrial Engines



# 3L123

**18.3kW / 24.5hp**



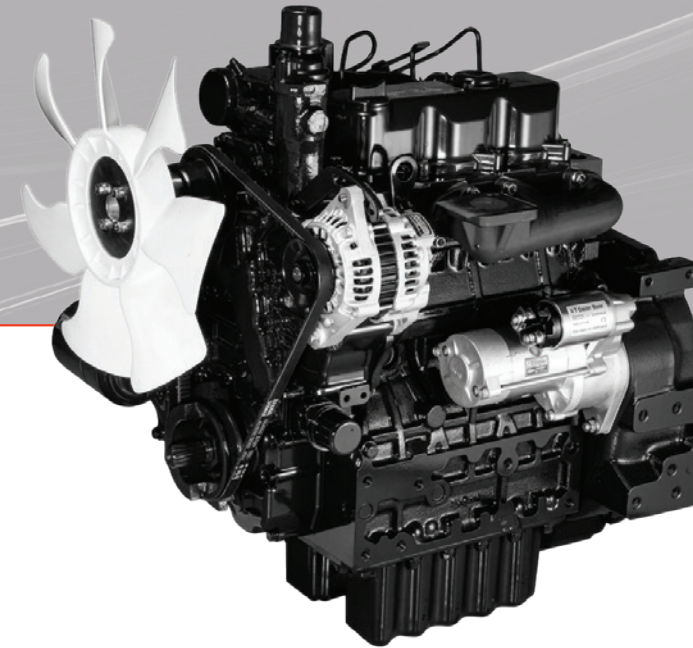
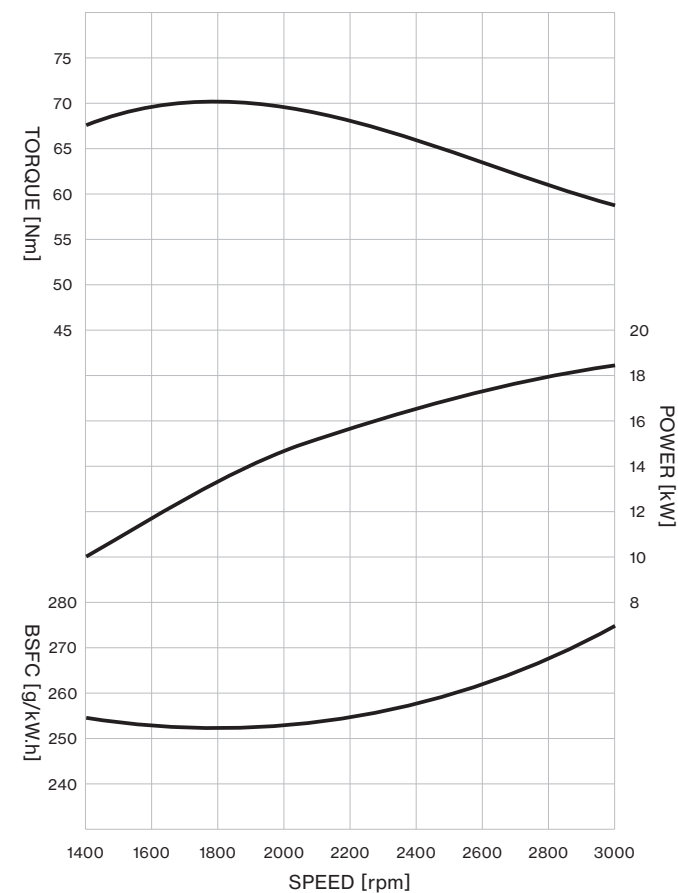
|   |          |
|---|----------|
| L | 554.5 mm |
| W | 454 mm   |
| H | 571 mm   |

## SPECIFICATION

|                  |                                        |          |
|------------------|----------------------------------------|----------|
| Model            | 3L123                                  |          |
| Emission         | Stage V, Tier4 Final                   |          |
| Engine Type      | 4-Cycle, In-line, Diesel, Water cooled |          |
| Cylinders        | 3-Cylinder                             |          |
| Bore × Stroke    | mm                                     | Ø78 × 86 |
| Displacement     | Liter                                  | 1.233    |
| Aspiration       | Natural Aspiration                     |          |
| Aftertreatment   | -                                      |          |
| Rated Power      | kW                                     | 18.3     |
|                  | hp                                     | 24.5     |
|                  | rpm                                    | 3000     |
| Max. Torque      | Nm                                     | 70       |
|                  | rpm                                    | 1800     |
| Combustor Type   | In-Direct Injection (Swirl Chamber)    |          |
| Governor Type    | Mechanical Centrifugal                 |          |
| Dry Weight       | Kg                                     | 120      |
| Flywheel housing | SAE No.5 (Optional : SAE No.6)         |          |

## PERFORMANCE

— 3L123-SE4C 18.3kW (24.5hp)/3000rpm



# 3A165

**18.3–25.5kW / 24.5–34.2hp**



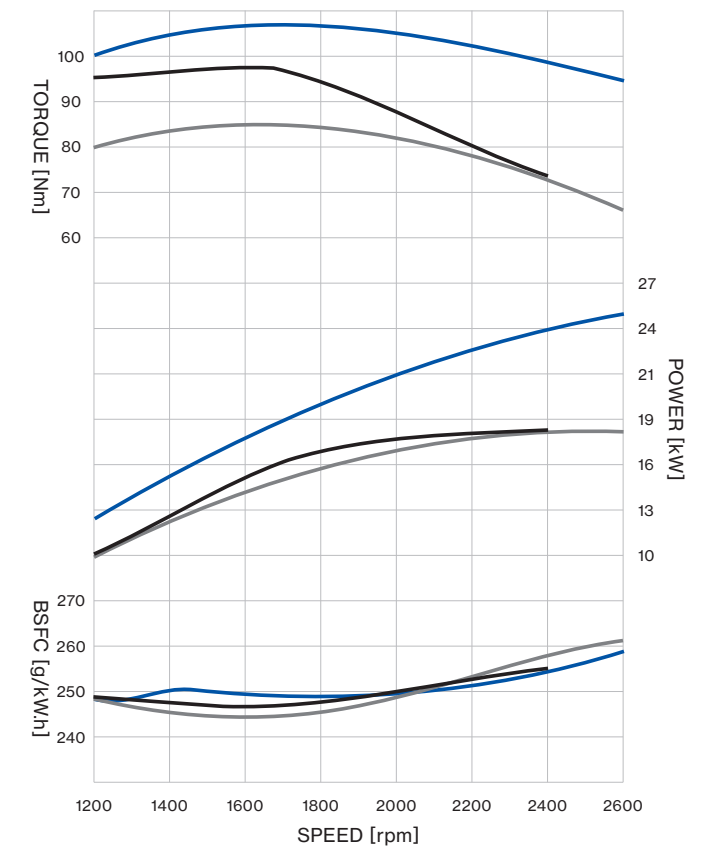
|   |          |
|---|----------|
| L | 611.4 mm |
| W | 490.7 mm |
| H | 656.5 mm |

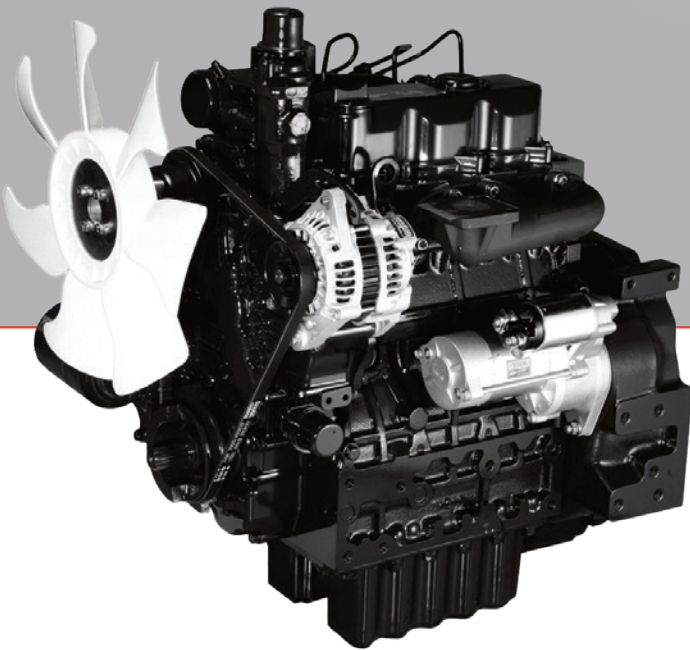
## SPECIFICATION

|                  |       |                                        |                                                 |      |
|------------------|-------|----------------------------------------|-------------------------------------------------|------|
| Model            |       | 3A165                                  |                                                 |      |
| Emission         |       | Stage3A, Tier3                         | Stage V, Tier4 Final                            |      |
| Engine Type      |       | 4-Cycle, In-line, Diesel, Water cooled |                                                 |      |
| Cylinders        |       | 3-Cylinder                             |                                                 |      |
| Bore × Stroke    | mm    | Ø87 × 92.4                             |                                                 |      |
| Displacement     | Liter | 1.647                                  |                                                 |      |
| Aspiration       |       | Natural Aspiration                     |                                                 |      |
| Aftertreatment   |       | -                                      |                                                 |      |
| Rated Power      | kW    | 25.5                                   | 18.3                                            | 18.4 |
|                  | hp    | 34.2                                   | 24.5                                            | 24.7 |
|                  | rpm   | 2600                                   | 2600                                            | 2600 |
| Max. Torque      | Nm    | 106                                    | 84                                              | 97   |
|                  | rpm   | 1600                                   | 1700                                            | 1600 |
| Combustor Type   |       | In-Direct Injection (Swirl Chamber)    |                                                 |      |
| Governor Type    |       | Mechanical                             | Mechanical + Electronic (NA)<br>Mechanical (EU) |      |
| Dry Weight       | Kg    | 175                                    |                                                 |      |
| Flywheel housing |       | SAE No. 4 (Optional : SAE No. 5)       |                                                 |      |

## PERFORMANCE

— 3A165-SE4A, 3A165LSS-A 18.3kW (24.5hp) / 2600 rpm  
 — 3A165-SE4C, 3A165LSS-C 18.4kW (24.7hp) / 2400 rpm  
 — 3A165LWS 25.5kW (34.2hp) / 2600 rpm





# 3B183

28.3kW / 38hp

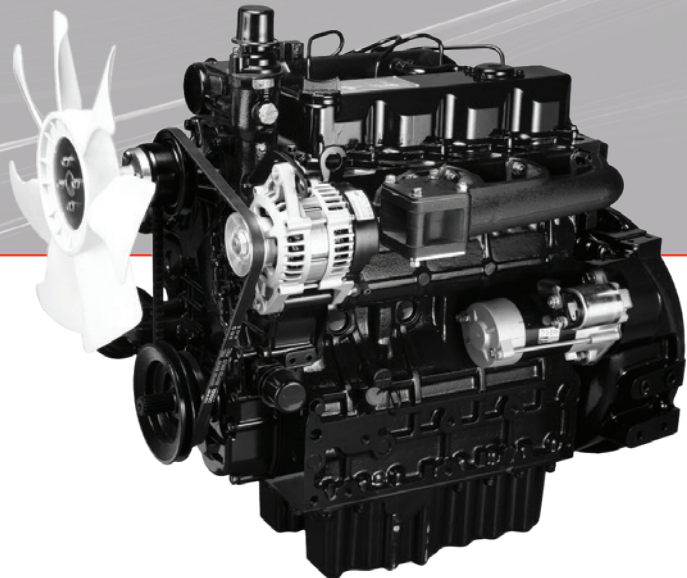
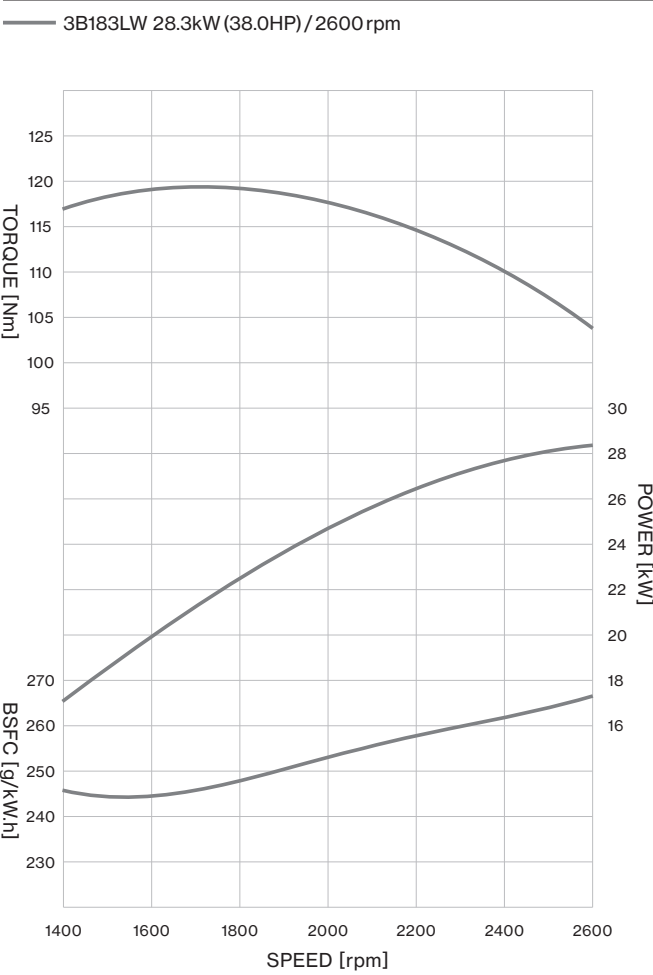
STAGE IIIA TIER 4i HVO

|   |       |    |
|---|-------|----|
| L | 671   | mm |
| W | 517.5 | mm |
| H | 700   | mm |

SPECIFICATION

|                  |                                        |
|------------------|----------------------------------------|
| Model            | 3B183                                  |
| Emission         | Stage3A, Tier4 Interim                 |
| Engine Type      | 4-Cycle, In-line, Diesel, Water cooled |
| Cylinders        | 3-Cylinder                             |
| Bore×Stroke      | mm Ø87×102.4                           |
| Displacement     | Liter 1.826                            |
| Aspiration       | Natural Aspiration                     |
| Aftertreatment   | -                                      |
| Rated Power      | kW 28.3                                |
|                  | hp 38                                  |
|                  | rpm 2600                               |
| Max. Torque      | Nm 120                                 |
|                  | rpm 1700                               |
| Combustor Type   | In-Direct Injection (Swirl Chamber)    |
| Governor Type    | Mechanical Centrifugal                 |
| Dry Weight       | Kg 180                                 |
| Flywheel housing | SAE No.4                               |

PERFORMANCE



# 4A220(T)

33.7–40.2kW / 45.2–53.9hp

STAGE IIIB TIER 3 HVO

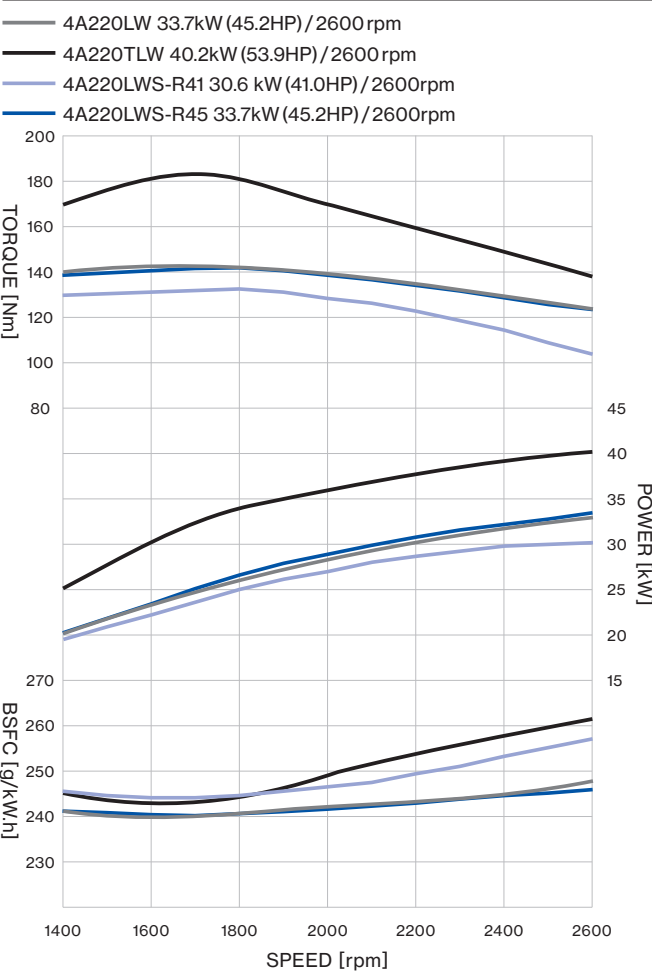
|   |       |    |
|---|-------|----|
| L | 772.6 | mm |
| W | 545.5 | mm |
| H | 692   | mm |

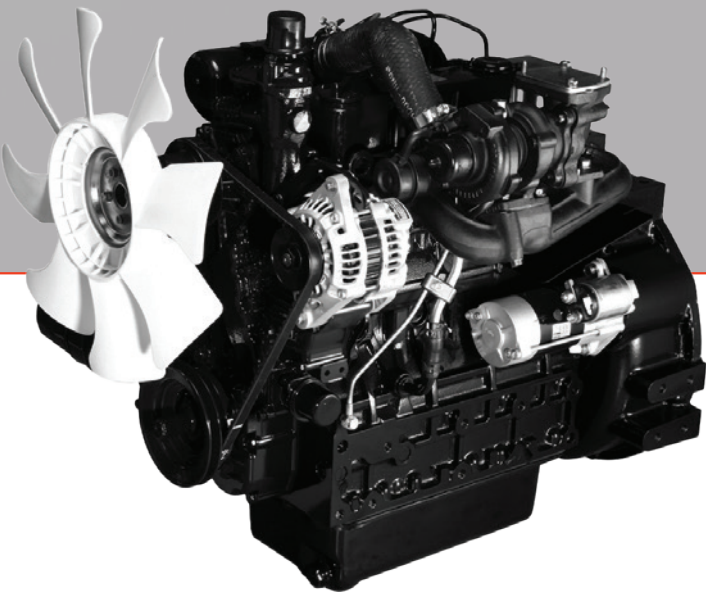
SPECIFICATION

|                  |                                        |
|------------------|----------------------------------------|
| Model            | 4A220 (T)                              |
| Emission         | Stage3B, Tier3                         |
| Engine Type      | 4-Cycle, In-line, Diesel, Water cooled |
| Cylinders        | 4-Cylinder                             |
| Bore×Stroke      | mm Ø87×92.4                            |
| Displacement     | Liter 2.197                            |
| Aspiration       | Natural Aspiration      Turbocharged   |
| Aftertreatment   | -                                      |
| Rated Power      | kW 33.7                      40.2      |
|                  | hp 45.2                         53.9   |
|                  | rpm 2600                      2600     |
| Max. Torque      | Nm 142.3                    182.6      |
|                  | rpm 1700                      1700     |
| Combustor Type   | In-Direct Injection (Swirl Chamber)    |
| Governor Type    | Mechanical Centrifugal                 |
| Dry Weight       | Kg 207                        210      |
| Flywheel housing | SAE No.4                               |

\* RCD (Recreational Craft Directive) certificate: 4A220LWS-R41, 45

PERFORMANCE





# 4B243(T)

36.5–44.0kW / 48.9–59.0hp

STAGE IIIA TIER 4 HVO

|   |          |
|---|----------|
| L | 763.1 mm |
| W | 545.5 mm |
| H | 736.7 mm |

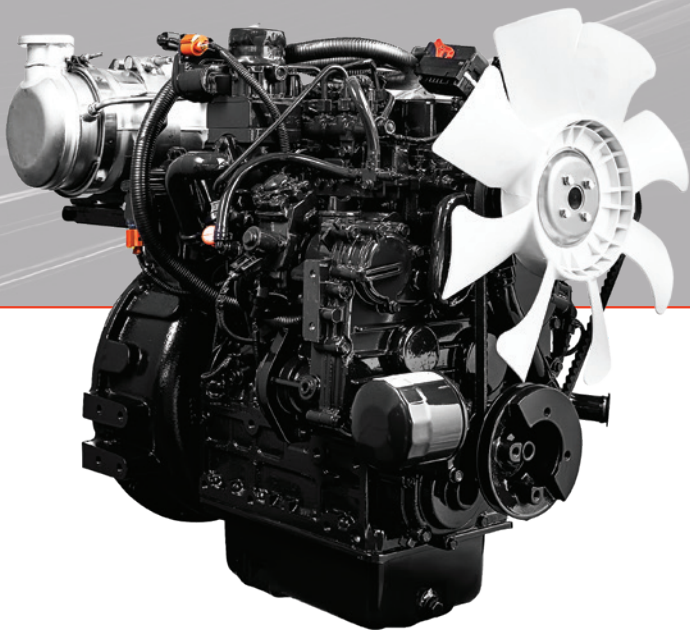
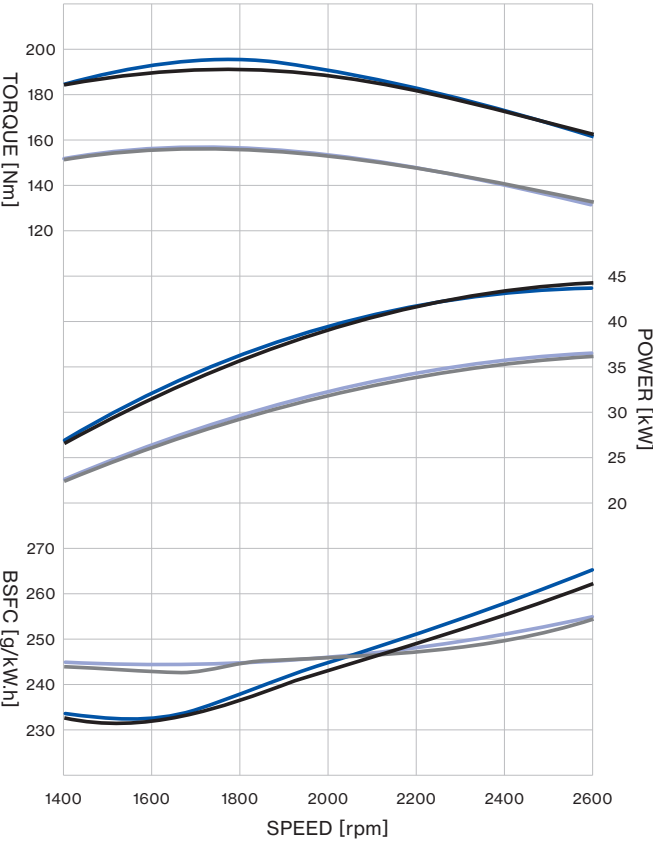
SPECIFICATION

|                  |                                        |                  |
|------------------|----------------------------------------|------------------|
| Model            | 4B243(T)                               |                  |
| Emission         | Stage3A, Tier4 Interim                 |                  |
| Engine Type      | 4-Cycle, In-line, Diesel, Water cooled |                  |
| Cylinders        | 4-Cylinder                             |                  |
| Bore×Stroke      | mm                                     | Ø87×102.4        |
| Displacement     | Liter                                  | 2.435            |
| Aspiration       | Natural Aspiration                     | Turbocharged     |
| Aftertreatment   | -                                      |                  |
| Rated Power      | kW                                     | 36.5      44.0   |
|                  | hp                                     | 48.9      59.0   |
|                  | rpm                                    | 2600      2600   |
| Max. Torque      | Nm                                     | 156.8      190.2 |
|                  | rpm                                    | 1700      1800   |
| Combustor Type   | In-Direct Injection (Swirl Chamber)    |                  |
| Governor Type    | Mechanical Centrifugal                 |                  |
| Dry Weight       | Kg                                     | 218      223     |
| Flywheel housing | SAE No.4                               |                  |

\* RCD (Recreational Craft Directive) certificate: 4B243LWS-R49, 4B243TLW-R59

PERFORMANCE

4B243LW 36.5kW (48.9HP) / 2600rpm  
4B243TLW 44.0kW (59.0HP) / 2600rpm  
4B243LWS-R49 36.4kW (48.8HP) / 2600rpm  
4B243TLW-R59 44.0kW (59.0HP) / 2600rpm



# 3H183(T, TI)

26–42.5kW / 34.9–57.0hp

STAGE V TIER 4F HVO

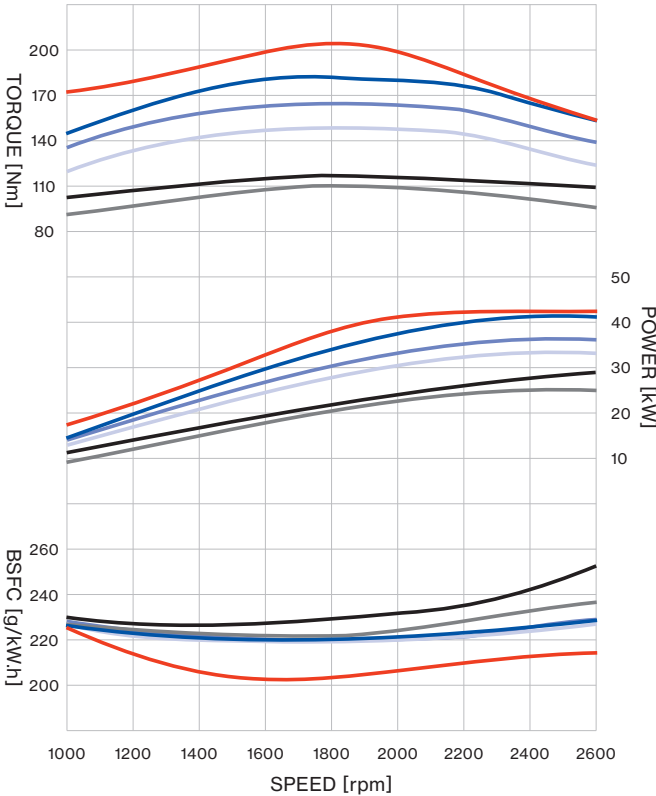
|   |          |           |
|---|----------|-----------|
|   | 3H183(T) | 3H183(TI) |
| L | 835 mm   | 835.3 mm  |
| W | 563 mm   | 584 mm    |
| H | 729 mm   | 712 mm    |

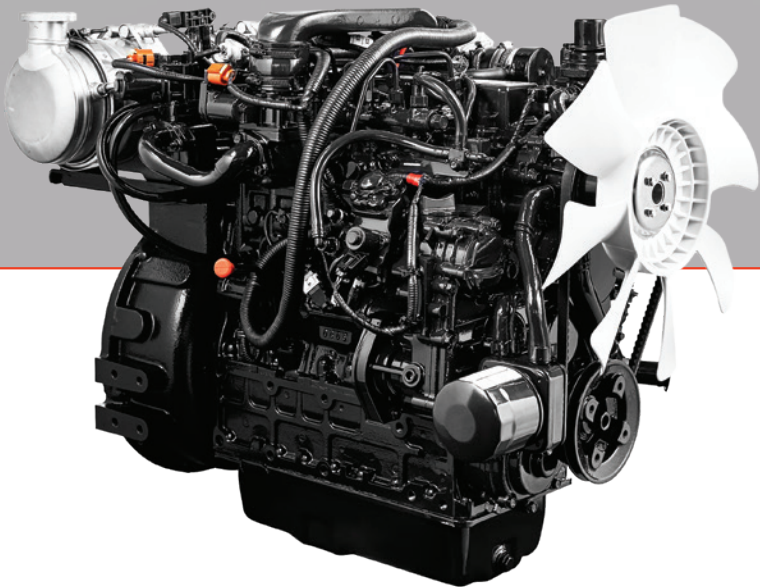
SPECIFICATION

|                  |       |                                        |      |              |      |      |      |
|------------------|-------|----------------------------------------|------|--------------|------|------|------|
| Model            |       | 3H183(T, TI)                           |      |              |      |      |      |
| Emission         |       | Stage V, Tier4 Final                   |      |              |      |      |      |
| Engine Type      |       | 4-Cycle, In-line, Diesel, Water cooled |      |              |      |      |      |
| Cylinders        |       | 3-Cylinder                             |      |              |      |      |      |
| Bore×Stroke      | mm    | Ø87×102.4                              |      |              |      |      |      |
| Displacement     | Liter | 1.826                                  |      |              |      |      |      |
| Aspiration       |       | Natural Aspiration                     |      | Turbocharged |      |      |      |
| Aftertreatment   |       | CCRT (DOC+DPF) & Cooled EGR            |      |              |      |      |      |
| Rated Power      | kW    | 26                                     | 29.5 | 33.5         | 37.5 | 41   | 42.5 |
|                  | hp    | 34.9                                   | 39.6 | 44.9         | 50.3 | 55   | 57   |
|                  | rpm   | 2600                                   | 2600 | 2600         | 2600 | 2600 | 2600 |
| Max. Torque      | Nm    | 142.3                                  | 118  | 182.6        | 166  | 181  | 205  |
|                  | rpm   | 1700                                   | 1800 | 1700         | 1700 | 1700 | 1800 |
| Combustor Type   |       | Common Rail Direct Injection (CRDI)    |      |              |      |      |      |
| Governor Type    |       | Electric Control (ECU)                 |      |              |      |      |      |
| Dry Weight       | Kg    | 255                                    |      |              |      |      |      |
| Flywheel housing |       | SAE No.4                               |      |              |      |      |      |

PERFORMANCE

3H183 26kW (34.9HP) / 2600rpm  
3H183 29.5kW (39.6HP) / 2600rpm  
3H183T 33.5kW (44.9HP) / 2600rpm  
3H183T 37.5kW (50.3HP) / 2600rpm  
3H183T 41kW (55HP) / 2600rpm  
3H183TI 42.5kW (57HP) / 2600rpm





# 4H243T (I)

45–54.9kW / 60.3–73.6 hp

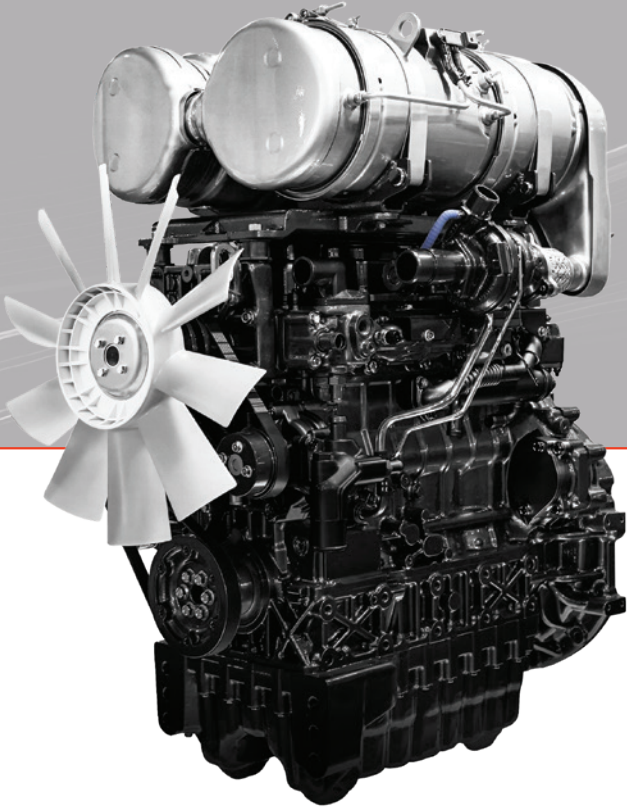
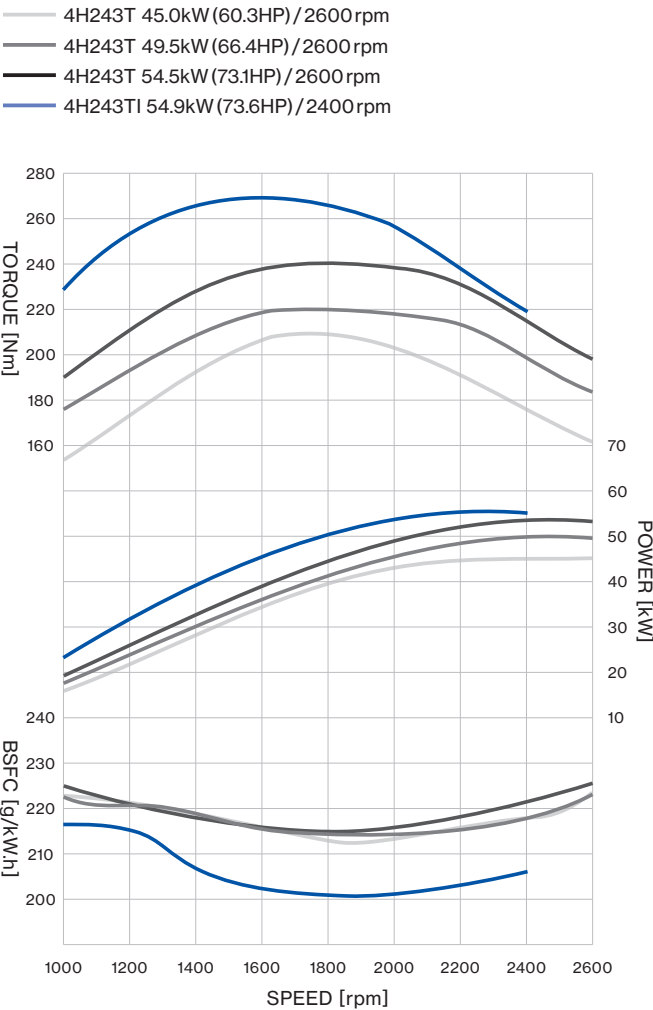
STAGE  TIER  

|   |     |    |
|---|-----|----|
| L | 934 | mm |
| W | 566 | mm |
| H | 727 | mm |

SPECIFICATION

|                  |       |                                        |       |       |                   |
|------------------|-------|----------------------------------------|-------|-------|-------------------|
| Model            |       | 4H243T (I)                             |       |       |                   |
| Emission         |       | Stage V, Tier4 Final                   |       |       |                   |
| Engine Type      |       | 4-Cycle, In-line, Diesel, Water Cooled |       |       |                   |
| Cylinders        |       | 4-Cylinder                             |       |       |                   |
| Bore × Stroke    | mm    | Ø87 × 102.4                            |       |       |                   |
| Displacement     | Liter | 2.435                                  |       |       |                   |
| Aspiration       |       | Turbo chagred                          |       |       | T/C + Intercooler |
| Aftertreatment   |       | CCRT (DOC+DPF) & Cooled EGR            |       |       |                   |
| Rated Power      | kW    | 45                                     | 49.5  | 54.5  | 54.9              |
|                  | hp    | 60.3                                   | 66.4  | 73.1  | 73.6              |
|                  | rpm   | 2600                                   | 2400  | 2600  | 2400              |
| Max. Torque      | Nm    | 210.0                                  | 237.0 | 240.5 | 274.0             |
|                  | rpm   | 1700                                   | 1700  | 1700  | 1500              |
| Combustor Type   |       | Common Rail Direct Injection (CRDI)    |       |       |                   |
| Governor Type    |       | Electric Control (ECU)                 |       |       |                   |
| Dry Weight       | Kg    | 255                                    |       |       |                   |
| Flywheel housing |       | SAE No.4                               |       |       |                   |

PERFORMANCE



# 4J383TA

71–104.5kW / 95.2–140.1hp

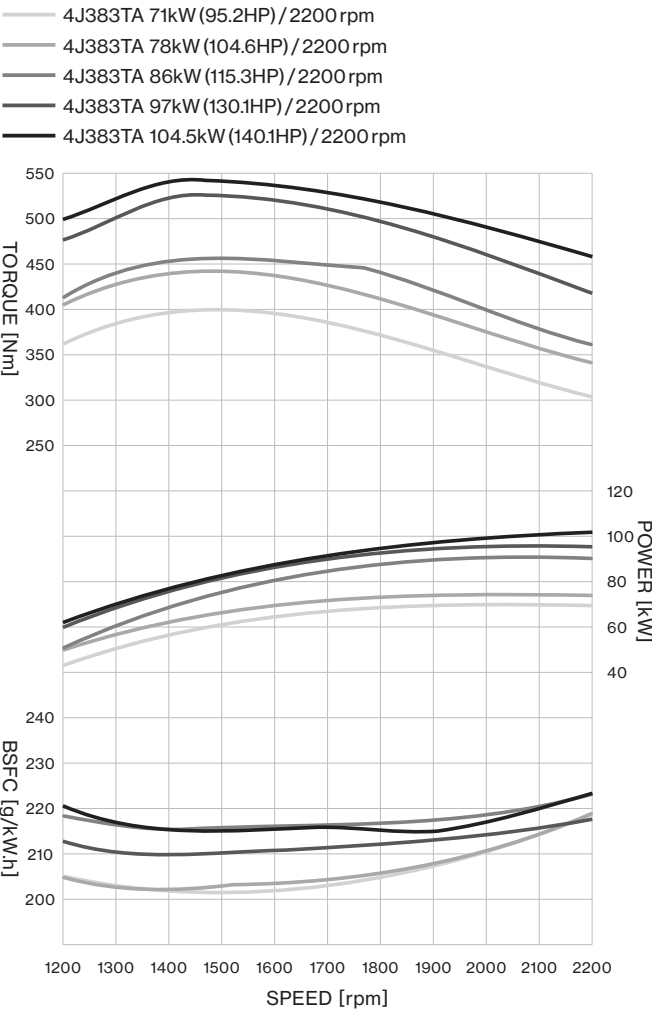
STAGE  TIER  

|   |      |    |
|---|------|----|
| L | 948  | mm |
| W | 666  | mm |
| H | 1136 | mm |

SPECIFICATION

|                  |       |                                       |       |       |       |       |
|------------------|-------|---------------------------------------|-------|-------|-------|-------|
| Model            |       | 4J383TA                               |       |       |       |       |
| Emission         |       | Stage V, Tier4 Final                  |       |       |       |       |
| Engine Type      |       | 4-Cycle, 4Valve, Diesel, Water cooled |       |       |       |       |
| Cylinders        |       | 4-Cylinder                            |       |       |       |       |
| Bore×Stroke      | mm    | Ø103×115                              |       |       |       |       |
| Displacement     | Liter | 3.833                                 |       |       |       |       |
| Aspiration       |       | Turbo Charged + Intercooler           |       |       |       |       |
| Aftertreatment   |       | CCRT (DOC+DPF) + SCR & Cooled EGR     |       |       |       |       |
| Rated Power      | kW    | 71                                    | 78    | 86    | 97    | 104.5 |
|                  | hp    | 95.2                                  | 104.6 | 115.3 | 130.1 | 140.1 |
|                  | rpm   | 2200                                  | 2200  | 2200  | 2200  | 2200  |
| Max. Torque      | Nm    | 402                                   | 442   | 486   | 530   | 540   |
|                  | rpm   | 1400                                  | 1400  | 1400  | 1400  | 1400  |
| Combustor Type   |       | Common Rail Direct Injection (CRDI)   |       |       |       |       |
| Governor Type    |       | Electric Control (ECU)                |       |       |       |       |
| Dry Weight       | Kg    | 522                                   |       |       |       |       |
| Flywheel housing |       | SAE No.3                              |       |       |       |       |

PERFORMANCE



# Industrial Engine Line-up

| Type              | Variable Speed |              | Optional Kit |                  |          |             |                     |             |                         |                                  | Rated Power |       |       | Peak Torque |       | Manual Regen | US          |            | EU         | KOR     | N/E |
|-------------------|----------------|--------------|--------------|------------------|----------|-------------|---------------------|-------------|-------------------------|----------------------------------|-------------|-------|-------|-------------|-------|--------------|-------------|------------|------------|---------|-----|
|                   |                |              |              |                  |          |             |                     |             |                         |                                  | Rated Power |       | Speed | Torque      | Speed |              | EPA         | CARB       |            |         |     |
|                   | Engine         | Model(TO BE) | Power Pack   | Wiring Connector | Radiator | Air Cleaner | Muffler             | Fuel Filter | HP pump KIT (with pump) | HP Pump Holder KIT (Only Holder) | kW          | hp    | rpm   | Nm          | rpm   | rpm          | Tier4       | Tier4      | Stage V    | Stage V |     |
| Electronic Engine | 4J383TA        | 4J383TA-SE5A | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 104.5       | 140.1 | 2200  | 540.0       | 1400  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4J383TA-SE5B | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 97.0        | 130.1 | 2200  | 530.0       | 1400  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4J383TA-SE5C | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 86.0        | 115.3 | 2200  | 468.0       | 1400  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4J383TA-SE5D | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 78.0        | 104.6 | 2200  | 442.0       | 1400  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4J383TA-SE5E | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 71.0        | 95.2  | 2200  | 402.0       | 1400  | 1800         | ●           | ●          | ●          | ●       |     |
|                   | 4J383TI        | 4J383TI-SE2A | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 104.5       | 140.1 | 2200  | 540.0       | 1400  | NA           |             |            |            |         | ●   |
|                   |                | 4J383TI-SE2B | 4J-PP        | 4JT-C-KIT1       | 4J-RA    | W/ENGINE    | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 97.0        | 130.1 | 2200  | 530.0       | 1400  | NA           |             |            |            |         | ●   |
|                   | 4H243TI        | 4H243TI-SE5A | 4HTI-PP      | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 55.0        | 73.8  | 2400  | 274.0       | 1500  | 1800         | ●           | ●          | ●          | ●       |     |
|                   | 4H243T         | 4H243T-SE5A  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 54.5        | 73.1  | 2600  | 240.5       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4H243T-SE5B  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 49.5        | 66.4  | 2600  | 220.0       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4H243T-SE5D  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 49.5        | 66.4  | 2400  | 237.0       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 4H243T-SE5C  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 45.0        | 60.3  | 2600  | 210.0       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   | 4H243T         | 4H243T-SE2A  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DDOC)     | W/Engine    | Direct-coupled          |                                  | 54.5        | 73.1  | 2600  | 240.5       | 1700  | NA           |             |            |            |         | ●   |
|                   | 3H183TI        | 3H183TI-SE5A | 3HTI-PP      | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 42.5        | 57.0  | 2600  | 205.0       | 1800  |              | ●           | ●          | ●          |         |     |
|                   | 3H183T         | 3H183T-SE5A  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 41.0        | 55.0  | 2600  | 181.0       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 3H183T-SE5B  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 37.5        | 50.3  | 2600  | 166.0       | 1700  | 1800         | ●           | ●          |            | ●       |     |
|                   |                | 3H183T-SE5C  | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 33.5        | 44.9  | 2600  | 148.0       | 1700  | 1800         | ●           | ●          | ●          | ●       |     |
|                   | 3H183          | 3H183-SE5A   | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 29.5        | 39.6  | 2600  | 118.0       | 1800  | 1800         | ●           | ●          | ●          | ●       |     |
|                   |                | 3H183-SE5B   | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 26.0        | 34.9  | 2600  | 115.0       | 1800  | 1800         | ●           | ●          | ●          | ●       |     |
| Mechanical Engine | 3A165          | 3A165-SE4A   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.3        | 24.5  | 2600  | 84.0        | 1700  | NA           | ●           | ●          |            |         |     |
|                   |                | 3A165-SE4B   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.3        | 24.5  | 2400  | 84.0        | 1700  | NA           | ●           | ●          |            |         |     |
|                   |                | 3A165-SE4C   | 3A-PP        | 4BTE-C-KIT2      | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.4        | 24.7  | 2400  | 97.0        | 1600  | NA           | ● (WW4800)  | ● (WW4800) |            |         |     |
|                   |                | 3A165-SE4D   | 3A-PP        | 4BTE-C-KIT2      | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.4        | 24.7  | 2200  | 97.0        | 1600  | NA           | ● (WW4800)  | ● (WW4800) |            |         |     |
|                   |                | 3A165LSS-A   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.3        | 24.5  | 2600  | 84.0        | 1700  | NA           |             |            | ●          | ●       |     |
|                   |                | 3A165LSS-B   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.3        | 24.5  | 2400  | 84.0        | 1700  | NA           |             |            | ●          | ●       |     |
|                   |                | 3A165LSS-C   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.4        | 24.7  | 2400  | 97.0        | 1600  | NA           |             |            | ●          | ○       |     |
|                   |                | 3A165LSS-D   | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.4        | 24.7  | 2200  | 97.0        | 1600  | NA           |             |            | ●          | ○       |     |
|                   |                | 3A165LWS     | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 25.5        | 34.2  | 2600  | 106.0       | 1700  | NA           | ● (Interim) |            | Stage IIIA |         | ●   |
|                   | 3L123          | 3L123-SE4C   | -            | 4BT-C-KIT1       | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 18.3        | 24.5  | 3000  | 70.0        | 1800  | NA           | ●           | ●          | ●          | ●       |     |
|                   |                | 3L123-SE4D   | 3L-PP        | 4BT-C-KIT1       | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 18.3        | 24.5  | 3000  | 70.0        | 1800  | NA           | ●           | ●          | ●          | ●       |     |
|                   | 4B243TLW       | 4B243TLWS    | 4BT-PP       | 4BT-C-KIT1       | 4BT-RA1  | 4A-AC       | 4AT-MU              | 4A-FU       | B14-HP                  | 4B-HP                            | 44.0        | 59.0  | 2600  | 190.2       | 1800  | NA           | ● (Interim) |            | Stage IIIA |         | ●   |
|                   | 4B243LW        | 4B243LWS     | 4B-PP        | 4BT-C-KIT1       | 4BT-RA1  | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 36.5        | 48.9  | 2600  | 156.8       | 1700  | NA           | ● (Interim) |            | Stage IIIA |         | ●   |
|                   | 4A220TLW       | 4A220TLWS    | 4AT-PP       | 4BT-C-KIT1       | 4A-RA    | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 40.2        | 53.9  | 2600  | 182.6       | 1700  | NA           | ● (Tier3)   |            | Stage IIIB |         | ●   |
|                   | 4A220LW        | 4A220LWS     | 4A-PP        | 4BT-C-KIT1       | 4A-RA    | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 33.7        | 45.2  | 2600  | 142.3       | 1700  | NA           | ● (Tier3)   |            | Stage IIIB |         | ●   |
|                   | 3B183LW        | 3B183LWS     | 3B-PP        | 4BT-C-KIT1       | 4A-RA    | 4A-AC       | 4AT-MU              | 4A-FU       | B14-HP                  | 4B-HP                            | 28.3        | 38.0  | 2600  | 120.0       | 1700  | NA           | ● (Interim) |            | Stage IIIA |         | ●   |

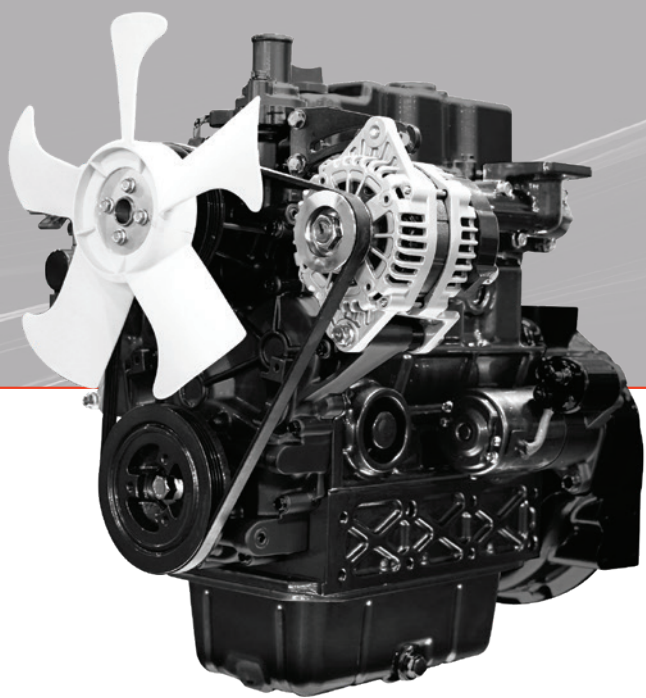
\* Above engines can be provided for non emission, It is necessary to discuss with our engineer in advance.

\* Among the above engines, [○] meet the performance requirements, but their certification is not valid or pending certification (StageV)



# Generator Engines

## GENERATOR ENGINE – MECHANICAL



# 3L123G

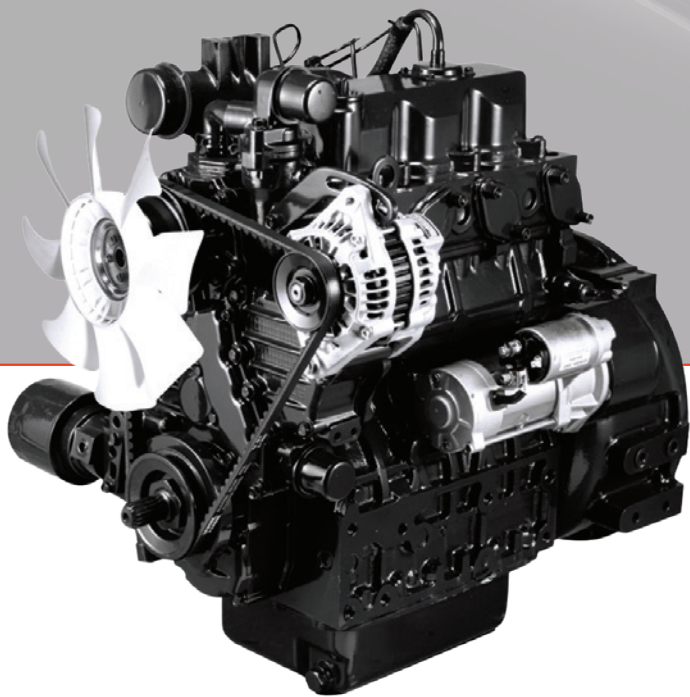
ESP 9–12.0 kW / 12.1–16.1 hp

TIER 4<sub>F</sub> HVO

|   |     |    |
|---|-----|----|
| L | 450 | mm |
| W | 550 | mm |
| H | 571 | mm |

### SPECIFICATION

| Model                                            |           |         | 3L123G                                                               |       |       |                                                                      |       |       |                                                                      |       |       |      |
|--------------------------------------------------|-----------|---------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|------|
| Emission                                         |           |         | US Tier4 Final                                                       |       |       | US Tier4 Final                                                       |       |       | US Tier4 Final                                                       |       |       |      |
| PERFORMANCE DATA                                 |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Speed                                     |           | rpm     | 1500                                                                 |       |       | 1800                                                                 |       |       | 1800                                                                 |       |       |      |
| Gross Engine Power Output                        |           |         | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   |      |
|                                                  |           |         | kW                                                                   | 9.0   | 8.1   | 7.7                                                                  | 9.0   | 8.1   | 7.7                                                                  | 12.0  | 10.8  | 10.2 |
| Specification<br>Fuel<br>Consumption             | 100% Load | L/hr    | 1.86                                                                 | 1.65  | 1.59  | 1.84                                                                 | 1.67  | 1.55  | 2.46                                                                 | 2.20  | 2.10  |      |
|                                                  | 75% Load  | L/hr    | 1.45                                                                 | 1.32  | 1.24  | 1.46                                                                 | 1.30  | 1.23  | 1.92                                                                 | 1.71  | 1.68  |      |
|                                                  | 50% Load  | L/hr    | 1.11                                                                 | 1.02  | 0.93  | 1.11                                                                 | 0.99  | 0.93  | 1.43                                                                 | 1.27  | 1.28  |      |
|                                                  | 25% Load  | L/hr    | 0.78                                                                 | 0.71  | 0.65  | 0.78                                                                 | 0.69  | 0.65  | 0.98                                                                 | 0.86  | 0.91  |      |
| Fuel Consumption Rate<br>(at Gross Engine Power) |           | g/kw.hr | 172.6                                                                | 170.1 | 173.5 | 170.7                                                                | 172.2 | 169.2 | 171.5                                                                | 170.1 | 172.1 |      |
| GENERAL ENGINE DATA                              |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Type                                      |           |         | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       |      |
| Aspiration                                       |           |         | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       |      |
| Governor Type                                    |           |         | Electric Governor                                                    |       |       | Mechanical All Speed Governor                                        |       |       | Electric Governor                                                    |       |       |      |
| Number of Cylinders                              |           |         | 3                                                                    |       |       | 3                                                                    |       |       | 3                                                                    |       |       |      |
| Bore × Stroke                                    |           | mm      | 78 × 86                                                              |       |       | 78 × 86                                                              |       |       | 78 × 86                                                              |       |       |      |
| Displacement                                     |           | L       | 1.233                                                                |       |       | 1.233                                                                |       |       | 1.233                                                                |       |       |      |
| Compression Ratio                                |           |         | 23.7 : 1                                                             |       |       | 23.7 : 1                                                             |       |       | 23.7 : 1                                                             |       |       |      |
| Rotation                                         |           |         | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       |      |
| Dimension (L × W × H)                            |           | mm      | 450 × 550 × 571                                                      |       |       | 450 × 550 × 571                                                      |       |       | 450 × 550 × 571                                                      |       |       |      |
| Weight (Dry)                                     |           | Kg      | 120                                                                  |       |       | 120                                                                  |       |       | 120                                                                  |       |       |      |
| Alternator Capacity                              |           | V-A     | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       |      |
| Flywheel Housing                                 |           |         | SAE No.5 (Optional : SAE No.6)                                       |       |       | SAE No.5 (Optional : SAE No.6)                                       |       |       | SAE No.5 (Optional : SAE No.6)                                       |       |       |      |
| Flywheel                                         |           |         | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       |      |



# 3A165G

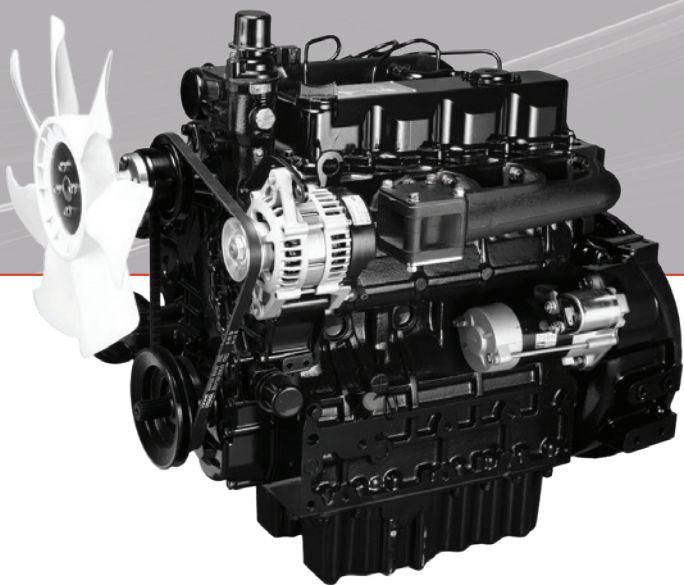
ESP 15–18 kW / 20.1–24.1 hp



|   |     |    |
|---|-----|----|
| L | 645 | mm |
| W | 506 | mm |
| H | 673 | mm |

SPECIFICATION

| Model                                            |           |         | 3A165G                                                               |       |       |                                                                      |       |       |                                                                      |       |       |      |
|--------------------------------------------------|-----------|---------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|------|
| Emission                                         |           |         | US Tier4 Final                                                       |       |       | US Tier4 Final                                                       |       |       | US Tier4 Final                                                       |       |       |      |
| PERFORMANCE DATA                                 |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Speed                                     |           | rpm     | 1500                                                                 |       |       | 1800                                                                 |       |       | 1800                                                                 |       |       |      |
| Gross Engine Power Output                        |           |         | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   |      |
|                                                  |           |         | kW                                                                   | 15.0  | 13.5  | 12.8                                                                 | 17.0  | 15.3  | 14.5                                                                 | 18.0  | 16.2  | 15.3 |
| Specification<br>Fuel<br>Consumption             | 100% Load | L/hr    | 4.4                                                                  | 3.9   | 3.7   | 5.0                                                                  | 4.6   | 4.4   | 5.3                                                                  | 4.8   | 4.6   |      |
|                                                  | 75% Load  | L/hr    | 3.3                                                                  | 3.0   | 2.9   | 3.9                                                                  | 3.6   | 3.4   | 4.1                                                                  | 3.8   | 3.6   |      |
|                                                  | 50% Load  | L/hr    | 2.4                                                                  | 2.2   | 2.1   | 2.8                                                                  | 2.6   | 2.5   | 2.9                                                                  | 2.7   | 2.6   |      |
|                                                  | 25% Load  | L/hr    | 1.6                                                                  | 1.5   | 1.5   | 1.8                                                                  | 1.7   | 1.6   | 1.8                                                                  | 1.7   | 1.7   |      |
| Fuel Consumption Rate<br>(at Gross Engine Power) |           | g/kw.hr | 244.4                                                                | 244.1 | 245.4 | 247.0                                                                | 249.7 | 252.2 | 245.8                                                                | 248.2 | 249.7 |      |
| GENERAL ENGINE DATA                              |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Type                                      |           |         | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       |      |
| Aspiration                                       |           |         | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       |      |
| Governor Type                                    |           |         | Electric Governor                                                    |       |       | Mechanical All Speed Governor                                        |       |       | Electric Governor                                                    |       |       |      |
| Number of Cylinders                              |           |         | 3                                                                    |       |       | 3                                                                    |       |       | 3                                                                    |       |       |      |
| Bore × Stroke                                    |           | mm      | 87 × 92.4                                                            |       |       | 87 × 92.4                                                            |       |       | 87 × 92.4                                                            |       |       |      |
| Displacement                                     |           | L       | 1.647                                                                |       |       | 1.647                                                                |       |       | 1.647                                                                |       |       |      |
| Compression Ratio                                |           |         | 21.7 : 1                                                             |       |       | 21.7 : 1                                                             |       |       | 21.7 : 1                                                             |       |       |      |
| Rotation                                         |           |         | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       |      |
| Dimension (L × W × H)                            |           | mm      | 645 × 506 × 673                                                      |       |       | 645 × 506 × 673                                                      |       |       | 645 × 506 × 673                                                      |       |       |      |
| Weight (Dry)                                     |           | Kg      | 175.0                                                                |       |       | 175.0                                                                |       |       | 175.0                                                                |       |       |      |
| Alternator Capacity                              |           | V-A     | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       |      |
| Flywheel Housing                                 |           |         | SAE #4                                                               |       |       | SAE #4                                                               |       |       | SAE #4                                                               |       |       |      |
| Flywheel                                         |           |         | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       |      |



# 4A220G

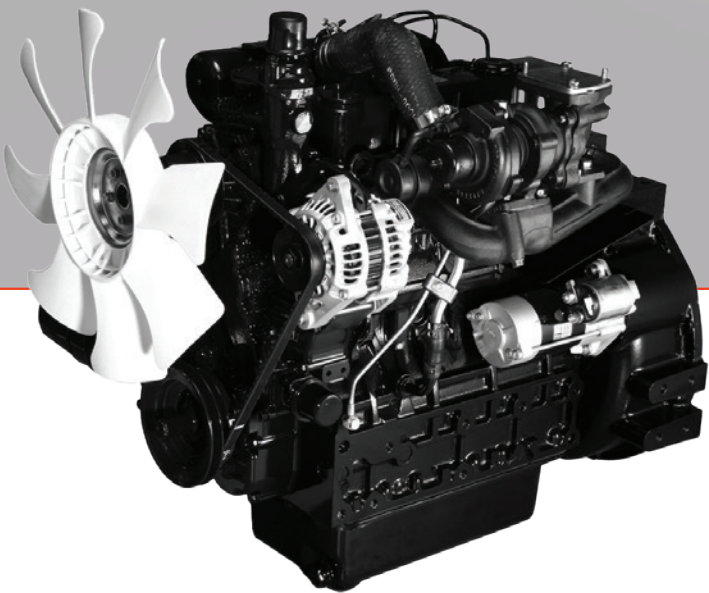
ESP 20–24 kW / 26.8–32.2 hp



|   |     |    |
|---|-----|----|
| L | 763 | mm |
| W | 506 | mm |
| H | 692 | mm |

SPECIFICATION

| Model                                            |           |         | 4A220G                                                               |       |       |                                                                      |       |       |                                                                      |       |       |      |
|--------------------------------------------------|-----------|---------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|-------|-------|------|
| Emission                                         |           |         | Non-Emission                                                         |       |       | Non-Emission                                                         |       |       | Non-Emission                                                         |       |       |      |
| PERFORMANCE DATA                                 |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Speed                                     |           | rpm     | 1500                                                                 |       |       | 1800                                                                 |       |       | 1800                                                                 |       |       |      |
| Gross Engine Power Output                        |           |         | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   | ESP                                                                  | PRP   | COP   |      |
|                                                  |           |         | kW                                                                   | 20.0  | 18.0  | 17.0                                                                 | 24.0  | 21.6  | 20.4                                                                 | 24.0  | 21.6  | 20.4 |
| Specification<br>Fuel<br>Consumption             | 100% Load | L/hr    | 5.5                                                                  | 5     | 4.9   | 6.8                                                                  | 6.2   | 5.8   | 6.8                                                                  | 6.2   | 5.8   |      |
|                                                  | 75% Load  | L/hr    | 4.4                                                                  | 4.1   | 3.9   | 5.2                                                                  | 4.8   | 4.5   | 5.2                                                                  | 4.8   | 4.5   |      |
|                                                  | 50% Load  | L/hr    | 3.3                                                                  | 3.1   | 3     | 3.8                                                                  | 3.5   | 3.4   | 3.8                                                                  | 3.5   | 3.4   |      |
|                                                  | 25% Load  | L/hr    | 2.3                                                                  | 2.2   | 2.1   | 2.6                                                                  | 2.4   | 2.4   | 2.6                                                                  | 2.4   | 2.4   |      |
| Fuel Consumption Rate<br>(at Gross Engine Power) |           | g/kw.hr | 229.6                                                                | 231.9 | 240.7 | 237.9                                                                | 238.1 | 238.7 | 237.9                                                                | 238.1 | 238.7 |      |
| GENERAL ENGINE DATA                              |           |         |                                                                      |       |       |                                                                      |       |       |                                                                      |       |       |      |
| Engine Type                                      |           |         | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled,<br>Vertical In-Line, Indirect Injection |       |       |      |
| Aspiration                                       |           |         | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       | Naturally Aspirated                                                  |       |       |      |
| Governor Type                                    |           |         | Electric Governor                                                    |       |       | Mechanical All Speed Governor                                        |       |       | Electric Governor                                                    |       |       |      |
| Number of Cylinders                              |           |         | 4                                                                    |       |       | 4                                                                    |       |       | 4                                                                    |       |       |      |
| Bore × Stroke                                    |           | mm      | 83 × 92.4                                                            |       |       | 83 × 92.4                                                            |       |       | 83 × 92.4                                                            |       |       |      |
| Displacement                                     |           | L       | 1.999                                                                |       |       | 1.999                                                                |       |       | 1.999                                                                |       |       |      |
| Compression Ratio                                |           |         | 21.7 : 1                                                             |       |       | 21.7 : 1                                                             |       |       | 21.7 : 1                                                             |       |       |      |
| Rotation                                         |           |         | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       | Counterclockwise<br>(View from F/H Side)                             |       |       |      |
| Dimension (L × W × H)                            |           | mm      | 763 × 506 × 692                                                      |       |       | 763 × 506 × 692                                                      |       |       | 763 × 506 × 692                                                      |       |       |      |
| Weight (Dry)                                     |           | Kg      | 207.0                                                                |       |       | 207.0                                                                |       |       | 207.0                                                                |       |       |      |
| Alternator Capacity                              |           | V-A     | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       | 12V - 75A                                                            |       |       |      |
| Flywheel Housing                                 |           |         | SAE #4                                                               |       |       | SAE #4                                                               |       |       | SAE #4                                                               |       |       |      |
| Flywheel                                         |           |         | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       | SAE 7-1/2"                                                           |       |       |      |



# 4B243TG

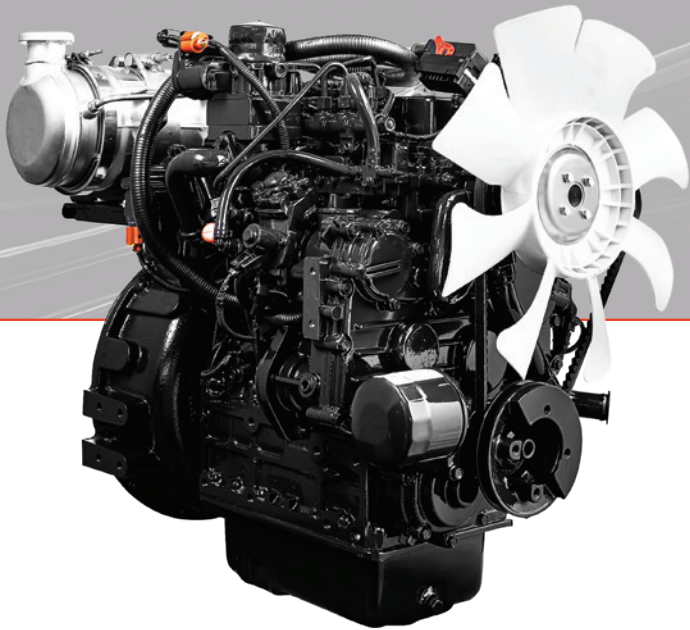
ESP 25–32 kW / 33.5–42.9 hp



|   |     |    |
|---|-----|----|
| L | 763 | mm |
| W | 545 | mm |
| H | 737 | mm |

SPECIFICATION

| Model                                         |           |         | 4B243TG                                                           |       |       |                                                                   |       |       |                                                                   |       |       |      |
|-----------------------------------------------|-----------|---------|-------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------|-------|-------|------|
| Emission                                      |           |         | Non-Emission                                                      |       |       | Non-Emission                                                      |       |       | Non-Emission                                                      |       |       |      |
| PERFORMANCE DATA                              |           |         |                                                                   |       |       |                                                                   |       |       |                                                                   |       |       |      |
| Engine Speed                                  |           | rpm     | 1500                                                              |       |       | 1800                                                              |       |       | 1800                                                              |       |       |      |
| Gross Engine Power Output                     |           |         | ESP                                                               | PRP   | COP   | ESP                                                               | PRP   | COP   | ESP                                                               | PRP   | COP   |      |
|                                               |           |         | kW                                                                | 25.0  | 22.5  | 21.3                                                              | 30.0  | 27.0  | 25.5                                                              | 32.0  | 28.8  | 27.2 |
| Specification Fuel Consumption                | 100% Load | L/hr    | 6.2                                                               | 5.6   | 5.2   | 8.7                                                               | 7.9   | 7.5   | 9.3                                                               | 8.4   | 8.0   |      |
|                                               | 75% Load  | L/hr    | 4.6                                                               | 4.3   | 4.1   | 6.7                                                               | 6.1   | 5.8   | 7.1                                                               | 6.5   | 6.2   |      |
|                                               | 50% Load  | L/hr    | 3.5                                                               | 3.3   | 3.1   | 4.8                                                               | 4.5   | 4.3   | 5.1                                                               | 4.7   | 4.5   |      |
|                                               | 25% Load  | L/hr    | 2.4                                                               | 2.3   | 2.2   | 3.2                                                               | 3.0   | 3.0   | 3.3                                                               | 3.1   | 3.0   |      |
| Fuel Consumption Rate (at Gross Engine Power) |           | g/kw.hr | 207.1                                                             | 207.8 | 203.8 | 243.5                                                             | 244.4 | 245.3 | 243.5                                                             | 243.7 | 244.3 |      |
| GENERAL ENGINE DATA                           |           |         |                                                                   |       |       |                                                                   |       |       |                                                                   |       |       |      |
| Engine Type                                   |           |         | Diesel, 4 Cycle Watercooled, Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, Indirect Injection |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, Indirect Injection |       |       |      |
| Aspiration                                    |           |         | Turbocharged                                                      |       |       | Turbocharged                                                      |       |       | Turbocharged                                                      |       |       |      |
| Governor Type                                 |           |         | Electric Governor                                                 |       |       | Mechanical All Speed Governor                                     |       |       | Electric Governor                                                 |       |       |      |
| Number of Cylinders                           |           |         | 4                                                                 |       |       | 4                                                                 |       |       | 4                                                                 |       |       |      |
| Bore × Stroke                                 |           | mm      | 87 × 102.4                                                        |       |       | 87 × 102.4                                                        |       |       | 87 × 102.4                                                        |       |       |      |
| Displacement                                  |           | L       | 2.435                                                             |       |       | 2.435                                                             |       |       | 2.435                                                             |       |       |      |
| Compression Ratio                             |           |         | 21.4 : 1                                                          |       |       | 21.4 : 1                                                          |       |       | 21.4 : 1                                                          |       |       |      |
| Rotation                                      |           |         | Counterclockwise (View from F/H Side)                             |       |       | Counterclockwise (View from F/H Side)                             |       |       | Counterclockwise (View from F/H Side)                             |       |       |      |
| Dimension (L × W × H)                         |           | mm      | 763 × 545 × 737                                                   |       |       | 763 × 545 × 737                                                   |       |       | 763 × 545 × 737                                                   |       |       |      |
| Weight (Dry)                                  |           | Kg      | 223.0                                                             |       |       | 223.0                                                             |       |       | 223.0                                                             |       |       |      |
| Alternator Capacity                           |           | V-A     | 12V - 75A                                                         |       |       | 12V - 75A                                                         |       |       | 12V - 75A                                                         |       |       |      |
| Flywheel Housing                              |           |         | SAE #4                                                            |       |       | SAE #4                                                            |       |       | SAE #4                                                            |       |       |      |
| Flywheel                                      |           |         | SAE 7-1/2"                                                        |       |       | SAE 7-1/2"                                                        |       |       | SAE 7-1/2"                                                        |       |       |      |



# 3H183TG

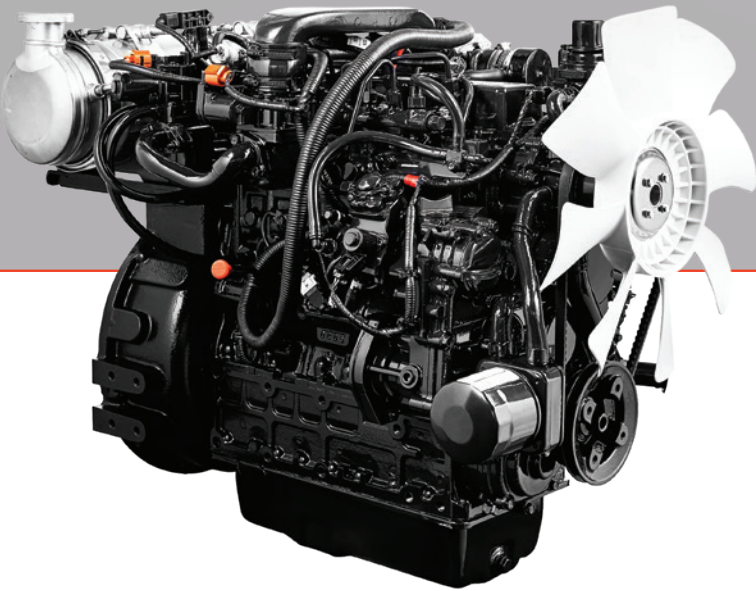
ESP 28.7–35.1 kW / 38.5–47.1 hp



|   |       |    |
|---|-------|----|
| L | 835.3 | mm |
| W | 563.4 | mm |
| H | 711   | mm |

SPECIFICATION

| Model                                         |           |      | 3H183TG                                             |                 |       |                                                     |                 |       | 3H183TIG                                            |                 |       |                                                     |                 |       |       |
|-----------------------------------------------|-----------|------|-----------------------------------------------------|-----------------|-------|-----------------------------------------------------|-----------------|-------|-----------------------------------------------------|-----------------|-------|-----------------------------------------------------|-----------------|-------|-------|
| Emission                                      |           |      | US Tier4 Final, (EU StageV planned in 2027)         |                 |       |                                                     |                 |       | US Tier4 Final, (EU StageV planned in 2027)         |                 |       |                                                     |                 |       |       |
| PERFORMANCE DATA                              |           |      |                                                     |                 |       |                                                     |                 |       |                                                     |                 |       |                                                     |                 |       |       |
| Engine Speed                                  |           |      | rpm                                                 | 1500            |       |                                                     | 1800            |       |                                                     | 1500            |       |                                                     | 1800            |       |       |
| Gross Engine Power Output                     |           |      | ESP                                                 | PRP             | COP   | ESP                                                 | PRP             | COP   | ESP                                                 | PRP             | COP   | ESP                                                 | PRP             | COP   |       |
|                                               |           |      | kW                                                  | 28.7            | 26.0  | 23.0                                                | 35.1            | 31.0  | 28.0                                                | 31.0            | 28.0  | 25.0                                                | 39.0            | 35.0  | 31.0  |
| Specification Fuel Consumption                | 100% Load | L/hr | 7.7                                                 | 6.9             | 6.1   | 9.3                                                 | 8.2             | 7.4   | 7.8                                                 | 7.2             | 6.4   | 9.9                                                 | 8.7             | 7.8   |       |
|                                               | 75% Load  | L/hr | 5.7                                                 | 5.1             | 4.6   | 6.9                                                 | 6.1             | 5.5   | 5.8                                                 | 5.3             | 4.7   | 7.2                                                 | 6.4             | 6.0   |       |
|                                               | 50% Load  | L/hr | 3.9                                                 | 3.6             | 3.2   | 4.7                                                 | 4.2             | 3.9   | 4.0                                                 | 3.8             | 3.4   | 5.4                                                 | 4.9             | 4.4   |       |
|                                               | 25% Load  | L/hr | 2.2                                                 | 2.1             | 2.0   | 2.8                                                 | 2.5             | 2.4   | 2.3                                                 | 2.2             | 2.0   | 3.0                                                 | 2.7             | 2.5   |       |
| Fuel Consumption Rate (at Gross Engine Power) |           |      | g/kw.hr                                             | 223.3           | 221.2 | 221.1                                               | 222.2           | 220.2 | 219.2                                               | 210.3           | 213.5 | 213.2                                               | 211.0           | 208.6 | 208.9 |
| GENERAL ENGINE DATA                           |           |      |                                                     |                 |       |                                                     |                 |       |                                                     |                 |       |                                                     |                 |       |       |
| Engine Type                                   |           |      | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |                 |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |                 |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |                 |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |                 |       |       |
| Aspiration                                    |           |      | Turbocharged (Wastegate)                            |                 |       | Turbocharged (Wastegate)                            |                 |       | Turbocharged (Wastegate) Intercooler                |                 |       | Turbocharged (Wastegate) Intercooler                |                 |       |       |
| Governor Type                                 |           |      | Electric Controlled                                 |                 |       | Electric Controlled                                 |                 |       | Electric Controlled                                 |                 |       | Electric Controlled                                 |                 |       |       |
| Number of Cylinders                           |           |      | 3                                                   |                 |       | 3                                                   |                 |       | 3                                                   |                 |       | 3                                                   |                 |       |       |
| Bore×Stroke                                   |           |      | mm                                                  | 87×102.4        |       |                                                     | 87×102.4        |       |                                                     | 87×102.4        |       |                                                     | 87×102.4        |       |       |
| Displacement                                  |           |      | L                                                   | 1.826           |       |                                                     | 1.826           |       |                                                     | 1.826           |       |                                                     | 1.826           |       |       |
| Compression Ratio                             |           |      | 17.4 : 1                                            |                 |       | 17.4 : 1                                            |                 |       | 17.4 : 1                                            |                 |       | 17.4 : 1                                            |                 |       |       |
| Rotation                                      |           |      | Counterclockwise (View from F/H Side)               |                 |       | Counterclockwise (View from F/H Side)               |                 |       | Counterclockwise (View from F/H Side)               |                 |       | Counterclockwise (View from F/H Side)               |                 |       |       |
| Dimension (L×W×H)                             |           |      | mm                                                  | 835.3×563.4×711 |       |                                                     | 835.3×563.4×711 |       |                                                     | 835.3×563.4×711 |       |                                                     | 835.3×563.4×711 |       |       |
| Weight (Dry)                                  |           |      | Kg                                                  | 254             |       |                                                     | 254             |       |                                                     | 254             |       |                                                     | 254             |       |       |
| Alternator Capacity                           |           |      | V-A                                                 | 12V - 75A       |       |                                                     | 12V - 75A       |       |                                                     | 12V - 75A       |       |                                                     | 12V - 75A       |       |       |
| Flywheel Housing                              |           |      | SAE #4                                              |                 |       | SAE #4                                              |                 |       | SAE #4                                              |                 |       | SAE #4                                              |                 |       |       |
| Flywheel                                      |           |      | SAE 7-1/2"                                          |                 |       | SAE 7-1/2"                                          |                 |       | SAE 7-1/2"                                          |                 |       | SAE 7-1/2"                                          |                 |       |       |



# 4H243TG

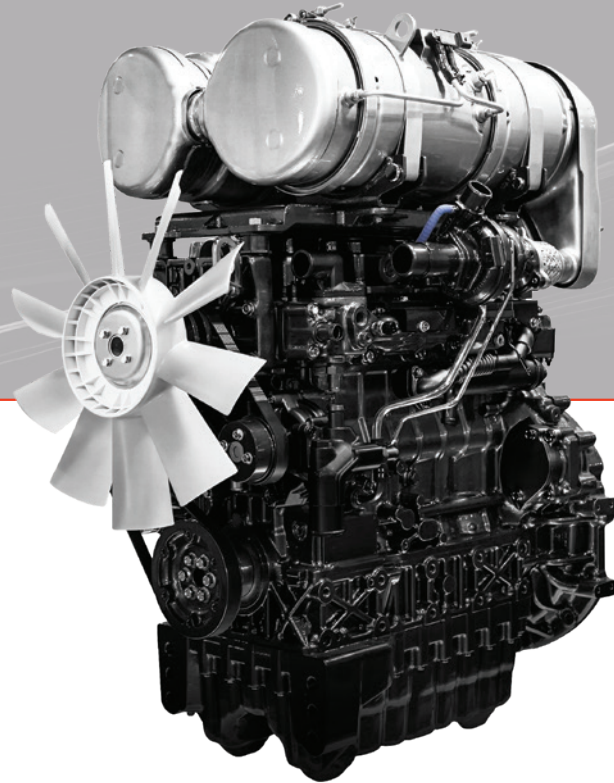
ESP 37.2–51.4 kW / 49.9–68.9 hp

STAGE **V** TIER **4F** HVO

|   |          |
|---|----------|
| L | 934.3 mm |
| W | 566.9 mm |
| H | 726.7 mm |

SPECIFICATION

| Model                                         |           |         | 4H243TG                                             |       |       |                                                     |       |       | 4H243TIG                                            |       |       |                                                     |       |       |      |
|-----------------------------------------------|-----------|---------|-----------------------------------------------------|-------|-------|-----------------------------------------------------|-------|-------|-----------------------------------------------------|-------|-------|-----------------------------------------------------|-------|-------|------|
| Emission                                      |           |         | US Tier4 Final, (EU StageV planned in 2027)         |       |       |                                                     |       |       | US Tier4 Final, (EU StageV planned in 2027)         |       |       |                                                     |       |       |      |
| PERFORMANCE DATA                              |           |         |                                                     |       |       |                                                     |       |       |                                                     |       |       |                                                     |       |       |      |
| Engine Speed                                  |           | rpm     | 1500                                                |       |       | 1800                                                |       |       | 1500                                                |       |       | 1800                                                |       |       |      |
| Gross Engine Power Output                     |           |         | ESP                                                 | PRP   | COP   | ESP                                                 | PRP   | COP   | ESP                                                 | PRP   | COP   | ESP                                                 | PRP   | COP   |      |
|                                               |           |         | kW                                                  | 37.2  | 33.0  | 29.5                                                | 45.2  | 40.0  | 36.0                                                | 43.0  | 39.0  | 34.0                                                | 51.4  | 46.0  | 41.0 |
| Specification Fuel Consumption                | 100% Load | L/hr    | 9.3                                                 | 8.1   | 7.3   | 11.3                                                | 9.9   | 8.9   | 10.6                                                | 9.5   | 8.2   | 12.7                                                | 11.3  | 10.1  |      |
|                                               | 75% Load  | L/hr    | 6.8                                                 | 6.1   | 5.4   | 8.3                                                 | 7.5   | 6.7   | 7.8                                                 | 7.1   | 6.2   | 9.4                                                 | 8.5   | 7.6   |      |
|                                               | 50% Load  | L/hr    | 4.8                                                 | 4.3   | 3.9   | 5.8                                                 | 5.2   | 4.7   | 5.5                                                 | 5.1   | 4.4   | 6.5                                                 | 5.9   | 5.3   |      |
|                                               | 25% Load  | L/hr    | 2.8                                                 | 2.6   | 2.3   | 3.4                                                 | 3.2   | 2.9   | 3.2                                                 | 3.0   | 2.6   | 3.8                                                 | 3.6   | 3.2   |      |
| Fuel Consumption Rate (at Gross Engine Power) |           | g/kw.hr | 207.9                                               | 205.5 | 205.5 | 207.9                                               | 207.0 | 207.0 | 205.2                                               | 202.4 | 202.4 | 206.4                                               | 204.9 | 204.9 |      |
| GENERAL ENGINE DATA                           |           |         |                                                     |       |       |                                                     |       |       |                                                     |       |       |                                                     |       |       |      |
| Engine Type                                   |           |         | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |       |       |      |
| Aspiration                                    |           |         | Turbocharged (Wastegate)                            |       |       | Turbocharged (Wastegate)                            |       |       | Turbocharged (Wastegate) Intercooler                |       |       | Turbocharged (Wastegate) Intercooler                |       |       |      |
| Governor Type                                 |           |         | Electric Controlled                                 |       |       | Electric Controlled                                 |       |       | Electric Controlled                                 |       |       | Electric Controlled                                 |       |       |      |
| Number of Cylinders                           |           |         | 4                                                   |       |       | 4                                                   |       |       | 4                                                   |       |       | 4                                                   |       |       |      |
| Bore×Stroke                                   |           | mm      | 87×102.4                                            |       |       | 87×102.4                                            |       |       | 87×102.4                                            |       |       | 87×102.4                                            |       |       |      |
| Displacement                                  |           | L       | 2.435                                               |       |       | 2.435                                               |       |       | 2.435                                               |       |       | 2.435                                               |       |       |      |
| Compression Ratio                             |           |         | 17.4 : 1                                            |       |       | 17.4 : 1                                            |       |       | 17.4 : 1                                            |       |       | 17.4 : 1                                            |       |       |      |
| Rotation                                      |           |         | Counterclockwise (View from F/H Side)               |       |       | Counterclockwise (View from F/H Side)               |       |       | Counterclockwise (View from F/H Side)               |       |       | Counterclockwise (View from F/H Side)               |       |       |      |
| Dimension (L×W×H)                             |           | mm      | 934.3×566.9×726.7                                   |       |       | 934.3×566.9×726.7                                   |       |       | 934.3×566.9×726.7                                   |       |       | 934.3×566.9×726.7                                   |       |       |      |
| Weight (Dry)                                  |           | Kg      | 284                                                 |       |       | 284                                                 |       |       | 284                                                 |       |       | 284                                                 |       |       |      |
| Alternator Capacity                           |           | V-A     | 12V - 75A                                           |       |       | 12V - 75A                                           |       |       | 12V - 75A                                           |       |       | 12V - 75A                                           |       |       |      |
| Flywheel Housing                              |           |         | SAE #4                                              |       |       | SAE #4                                              |       |       | SAE #4                                              |       |       | SAE #4                                              |       |       |      |
| Flywheel                                      |           |         | SAE 7-1/2"                                          |       |       | SAE 7-1/2"                                          |       |       | SAE 7-1/2"                                          |       |       | SAE 7-1/2"                                          |       |       |      |



# 4J383TAG

ESP 84.5–97 kW / 113.3–130.1 hp

STAGE **V** TIER **4F** HVO

|   |           |
|---|-----------|
| L | 943.3 mm  |
| W | 646.6 mm  |
| H | 1136.2 mm |

SPECIFICATION

|                                               |           |         |                                                     |       |       |                                                     |                                             |       |      |
|-----------------------------------------------|-----------|---------|-----------------------------------------------------|-------|-------|-----------------------------------------------------|---------------------------------------------|-------|------|
| Model                                         |           |         | 4J383TAG                                            |       |       |                                                     |                                             |       |      |
| Emission                                      |           |         | US Tier4 Final, (EU StageV planned in 2027)         |       |       |                                                     | US Tier4 Final, (EU StageV planned in 2027) |       |      |
| PERFORMANCE DATA                              |           |         |                                                     |       |       |                                                     |                                             |       |      |
| Engine Speed                                  |           | rpm     | 1500                                                |       |       | 1800                                                |                                             |       |      |
| Gross Engine Power Output                     |           |         | ESP                                                 | PRP   | COP   | ESP                                                 | PRP                                         | COP   |      |
|                                               |           |         | kW                                                  | 84.5  | 76.0  | 67.5                                                | 97.0                                        | 87.0  | 77.5 |
| Specification Fuel Consumption                | 100% Load | L/hr    | 21.4                                                | 19.2  | 16.9  | 25.1                                                | 21.9                                        | 19.7  |      |
|                                               | 75% Load  | L/hr    | 15.9                                                | 14.4  | 12.6  | 18.5                                                | 16.7                                        | 15.0  |      |
|                                               | 50% Load  | L/hr    | 10.9                                                | 10.0  | 9.2   | 12.6                                                | 11.5                                        | 10.6  |      |
|                                               | 25% Load  | L/hr    | 6.1                                                 | 5.7   | 5.5   | 7.4                                                 | 6.9                                         | 6.4   |      |
| Fuel Consumption Rate (at Gross Engine Power) |           | g/kw.hr | 211.3                                               | 210.4 | 208.5 | 216.1                                               | 210.5                                       | 212.3 |      |
| GENERAL ENGINE DATA                           |           |         |                                                     |       |       |                                                     |                                             |       |      |
| Engine Type                                   |           |         | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |       |       | Diesel, 4 Cycle Watercooled, Vertical In-Line, CRDI |                                             |       |      |
| Aspiration                                    |           |         | Turbocharged (Wastegate), Intercooler               |       |       | Turbocharged (Wastegate), Intercooler               |                                             |       |      |
| Governor Type                                 |           |         | Electric Controlled                                 |       |       | Electric Controlled                                 |                                             |       |      |
| Number of Cylinders                           |           |         | 4                                                   |       |       | 4                                                   |                                             |       |      |
| Bore×Stroke                                   |           | mm      | 103×115                                             |       |       | 103×115                                             |                                             |       |      |
| Displacement                                  |           | L       | 3.833                                               |       |       | 3.833                                               |                                             |       |      |
| Compression Ratio                             |           |         | 17.4 : 1                                            |       |       | 17.4 : 1                                            |                                             |       |      |
| Rotation                                      |           |         | Counterclockwise (View from F/H Side)               |       |       | Counterclockwise (View from F/H Side)               |                                             |       |      |
| Dimension (L×W×H)                             |           | mm      | 943.3×646.6×1136.2                                  |       |       | 943.3×646.6×1136.2                                  |                                             |       |      |
| Weight (Dry)                                  |           | Kg      | 522                                                 |       |       | 522                                                 |                                             |       |      |
| Alternator Capacity                           |           | V-A     | 12V - 75A                                           |       |       | 12V - 75A                                           |                                             |       |      |
| Flywheel Housing                              |           |         | SAE #3                                              |       |       | SAE #3                                              |                                             |       |      |
| Flywheel                                      |           |         | SAE 11-1/2"                                         |       |       | SAE 11-1/2"                                         |                                             |       |      |

# Generator Engine Line-up

\* ESP (Emergency Standby Power)  
\* PRP (Prime Rated Power)  
\* COP (Continuous Operating Power)

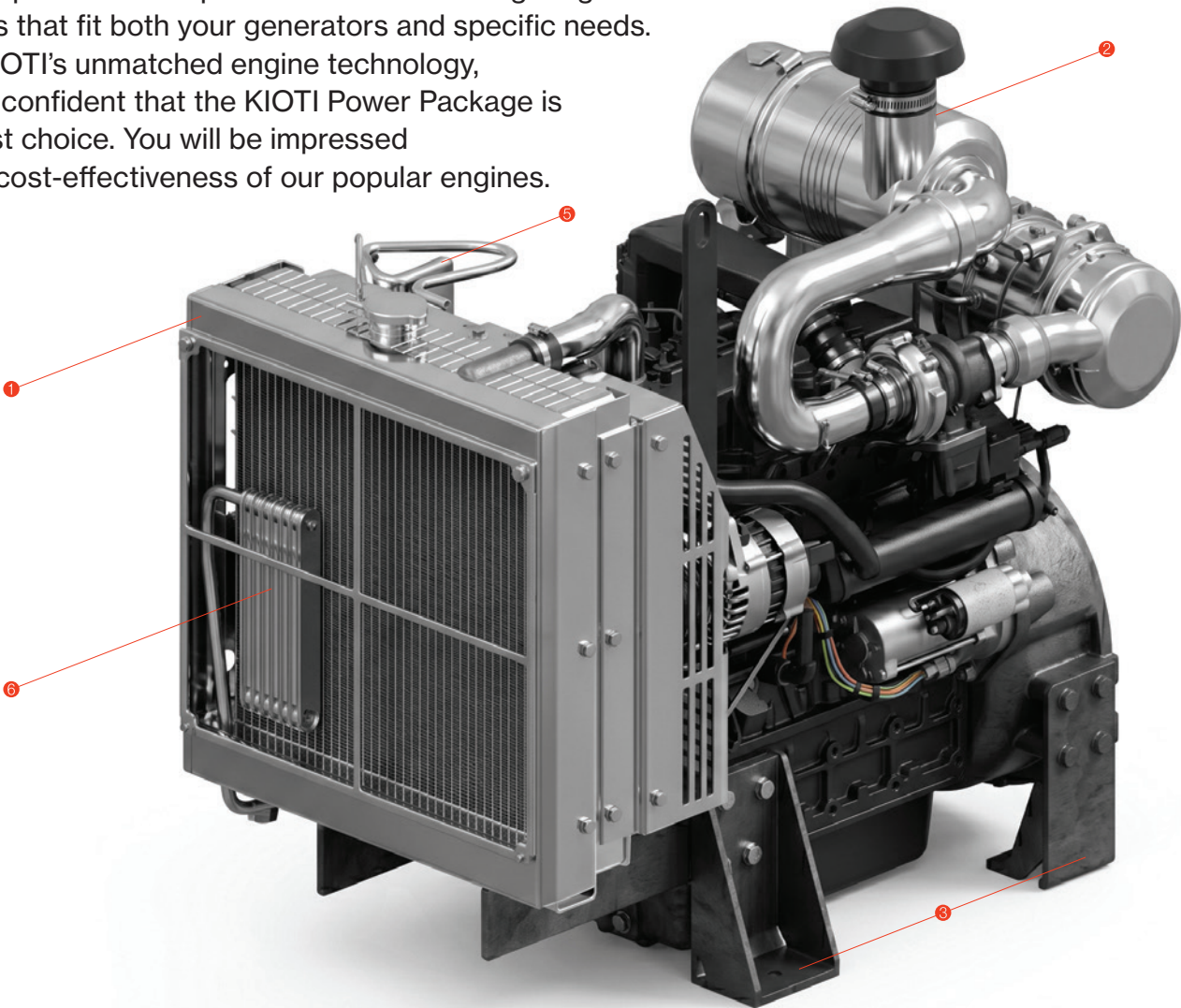
| Type              | Variable Speed |                          | Optional Kit |                  |          |             |                     |             |                         | ESP *                            |      |       | PRP * |      |       | COP * |      |       | Manual Regen | US   |             | EU         | KOR        | N/E        |            |            |
|-------------------|----------------|--------------------------|--------------|------------------|----------|-------------|---------------------|-------------|-------------------------|----------------------------------|------|-------|-------|------|-------|-------|------|-------|--------------|------|-------------|------------|------------|------------|------------|------------|
|                   |                |                          |              |                  |          |             |                     |             |                         | Power                            |      | Speed | Power |      | Speed | Power |      | Speed |              | EPA  | CARB        |            |            |            |            |            |
|                   | Engine         | Model(TO BE)             | Power Pack   | Wiring Connector | Radiator | Air Cleaner | Muffler             | Fuel Filter | HP pump KIT (with pump) | HP Pump Holder KIT (Only Holder) | kW   | hp    | rpm   | kW   | hp    | rpm   | kW   | hp    | rpm          | rpm  | Tier4       | Tier4      | Stage V    | N/E        |            |            |
| Electronic Engine | 4J383TA        | 4J383TA-GE5A             | -            | 4JT-C-KIT1       | 4J-RA    | W/Engine    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 97.0 | 130.1 | 1800  | 87.0 | 116.7 | 1800  | 77.5 | 103.9 | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 4J383TA-GE5B             | -            | 4JT-C-KIT1       | 4J-RA    | W/Engine    | W/Engine (SCR)      | W/Engine    | Direct-coupled          |                                  | 84.5 | 113.3 | 1500  | 76.0 | 101.9 | 1500  | 67.5 | 90.5  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   | 4J383TI        | 4J383TI-GE2A             | -            | 4JT-C-KIT1       | 4J-RA    | W/Engine    | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 97.0 | 130.1 | 1800  | 87.0 | 116.7 | 1800  | 77.5 | 103.9 | 1800         | NA   |             |            |            |            | ●          |            |
|                   |                | 4J383TI-GE2B             | -            | 4JT-C-KIT1       | 4J-RA    | W/Engine    | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 84.5 | 113.3 | 1500  | 76.0 | 101.9 | 1500  | 67.5 | 90.5  | 1500         | NA   |             |            |            |            | ●          |            |
|                   | 4H243TI        | 4H243TI-GE5A             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 51.4 | 68.9  | 1800  | 46.0 | 61.7  | 1800  | 41.0 | 55.0  | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 4H243TI-GE5B             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 43.4 | 58.2  | 1500  | 39.0 | 52.3  | 1500  | 34.0 | 45.6  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   |                | 4H243TI-GE2A             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 51.4 | 68.9  | 1800  | 46.0 | 61.7  | 1800  | 41.0 | 55.0  | 1800         | NA   |             |            |            |            | ●          |            |
|                   |                | 4H243TI-GE2B             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 43.0 | 57.7  | 1500  | 39.0 | 52.3  | 1500  | 34.0 | 45.6  | 1500         | NA   |             |            |            |            | ●          |            |
|                   | 4H243T         | 4HT-G18E5A / 4H243T-GE5A | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 45.2 | 60.6  | 1800  | 40.0 | 53.6  | 1800  | 36.0 | 48.3  | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 4HT-G15E5A / 4H243T-GE5B | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 37.2 | 49.9  | 1500  | 33.0 | 44.3  | 1500  | 29.5 | 39.6  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   |                | 4H243T-GE2A              | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 45.2 | 60.6  | 1800  | 40.0 | 53.6  | 1800  | 36.0 | 48.3  | 1800         | NA   |             |            |            |            | ●          |            |
|                   |                | 4H243T-GE2B              | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 37.2 | 49.9  | 1500  | 33.0 | 44.3  | 1500  | 29.5 | 39.6  | 1500         | NA   |             |            |            |            | ●          |            |
|                   | 3H183TI        | 3H183TI-GE5A             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 39.0 | 52.3  | 1800  | 35.0 | 46.9  | 1800  | 31.0 | 41.6  | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 3H183TI-GE5B             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 31.0 | 41.6  | 1500  | 28.0 | 37.5  | 1500  | 25.0 | 33.5  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   |                | 3H183TI-GE2A             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 39.0 | 52.3  | 1800  | 35.0 | 46.9  | 1800  | 31.0 | 41.6  | 1800         | NA   |             |            |            |            | ●          |            |
|                   |                | 3H183TI-GE2B             | -            | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 31.0 | 41.6  | 1500  | 28.0 | 37.5  | 1500  | 25.0 | 33.5  | 1500         | NA   |             |            |            |            | ●          |            |
|                   | 3H183T         | 3HT-G18E5A / 3H183T-GE5A | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 35.1 | 47.1  | 1800  | 31.0 | 41.6  | 1800  | 28.0 | 37.5  | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 3HT-G15E5A / 3H183T-GE5B | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 28.7 | 38.5  | 1500  | 26.0 | 34.9  | 1500  | 23.0 | 30.8  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   |                | 3H183T-GE2A              | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 35.1 | 47.1  | 1800  | 31.0 | 41.6  | 1800  | 28.0 | 37.5  | 1800         | NA   |             |            |            |            | ●          |            |
|                   |                | 3H183T-GE2B              | 4HT-PP       | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 28.7 | 38.5  | 1500  | 26.0 | 34.9  | 1500  | 23.0 | 30.8  | 1500         | NA   |             |            |            |            | ●          |            |
|                   | 3H183          | 3H-G18E5A / 3H183-GE5A   | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 22.2 | 29.8  | 1800  | 20.0 | 26.8  | 1800  | 17.5 | 23.5  | 1800         | 1800 | ●           | ●          | ○          |            |            |            |
|                   |                | 3H-G15E5A / 3H183-GE5B   | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (CCRT)     | W/Engine    | Direct-coupled          |                                  | 17.7 | 23.7  | 1500  | 16.0 | 21.5  | 1500  | 14.0 | 18.8  | 1500         | 1500 | ●           | ●          | ○          |            |            |            |
|                   |                | 3H183-GE2A               | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 22.2 | 29.8  | 1800  |      | 0.0   | 1800  |      | 0.0   | 1800         | NA   |             |            |            | ●          | ●          |            |
|                   |                | 3H183-GE2B               | 3H-PP        | 4HT-C-KIT1       | 4F-RA    | 4FT-AC      | W/Engine (DOC Only) | W/Engine    | Direct-coupled          |                                  | 17.7 | 23.7  | 1500  |      | 0.0   | 1500  |      | 0.0   | 1500         | NA   |             |            |            | ●          | ●          |            |
| Mechanical Engine | 3A165          | 3A165LFG-U               | 3A-PP        | 4BTE-C-KIT2      | 3A-RA    | 4A-AC       | 3A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 18.0 | 24.1  | 1800  | 16.2 | 21.7  | 1800  | 15.3 | 20.5  | 1800         | NA   | ● (WW4800)  | ● (WW4800) |            |            |            |            |
|                   |                | 3A165LWEG                | 3A-PP        | 4BTE-C-KIT1      | 3A-RA    | 4A-AC       | 3A-MU               | W/Engine    | B14-HP                  | 4B-HP                            | 18.0 | 24.1  | 1800  | 16.2 | 21.7  | 1800  | 15.3 | 24.1  | 1800         | NA   |             |            | ○          | ● (WW4500) | ● (WW4500) |            |
|                   |                | 3A165LWG                 | 3A-PP        | 4BT-C-KIT1       | 3A-RA    | 4A-AC       | 3A-MU               | W/Engine    | B14-HP                  | 4B-HP                            | 17.0 | 22.8  | 1800  | 15.3 | 20.5  | 1800  | 14.5 | 19.4  | 1800         | NA   |             |            |            | ●          | ●          |            |
|                   |                | 3A165LWEG-E              | 3A-PP        | 4BTE-C-KIT1      | 3A-RA    | 4A-AC       | 3A-MU               | W/Engine    | B14-HP                  | 4B-HP                            | 15.0 | 20.1  | 1500  | 13.5 | 18.1  | 1500  | 12.8 | 17.2  | 1500         | NA   |             |            |            | ● (WW4500) | ● (WW4500) |            |
|                   | 3L123          | 3L123LFEG-U              | 3L-PP        | 4BTE-C-KIT1      | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 12.0 | 16.1  | 1800  | 10.8 | 14.5  | 1800  | 10.2 | 13.7  | 1800         | NA   | ● (WW4500)  | ● (WW4500) |            |            |            |            |
|                   |                | 3L123LFG-U               | 3L-PP        | 4BT-C-KIT1       | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 9.0  | 12.1  | 1800  | 8.1  | 10.9  | 1800  | 7.7  | 10.3  | 1800         | NA   | ●           | ●          | ○          | ●          | ●          |            |
|                   |                | 3L123LFEG-E              | 3L-PP        | 4BTE-C-KIT1      | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 9.0  | 12.1  | 1500  | 8.1  | 10.9  | 1500  | 7.7  | 10.3  | 1500         | NA   |             |            |            |            | ● (WW4500) |            |
|                   |                | 3L123LWEG                | 3L-PP        | 4BTE-C-KIT1      | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 13.0 | 17.4  | 1800  | 11.7 | 15.7  | 1800  | 11.1 | 14.8  | 1800         | NA   |             |            |            | ● (WW4500) | ● (WW4500) |            |
|                   |                | 3L123LWEG-E              | 3L-PP        | 4BTE-C-KIT1      | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 10.0 | 13.4  | 1500  | 9.0  | 12.1  | 1500  | 8.5  | 11.4  | 1500         | NA   |             |            |            | ● (WW4500) | ● (WW4500) |            |
|                   |                | 3L123LSG-E               | 3L-PP        | 4BTE-C-KIT1      | 3L-RA    | 3L-AC       | -                   | 4A-FU       | L13-HP                  | 3C-HP                            | 15.0 | 20.1  | 3000  | 13.5 | 18.1  | 3000  | 12.8 | 17.1  | 3000         | NA   |             |            | ○          |            |            |            |
|                   | 4F243DT        | 4F243DT-GE2A             | -            | -                | 4H-RA    | 4FT-AC      | -                   | W/ENGINE    | Direct-coupled          |                                  | 37.0 | 49.6  | 1800  | 33.3 | 44.7  | 1800  | 29.6 | 39.7  | 1800         | NA   |             |            |            |            | ● (WW L)   | ● (WW L)   |
|                   |                | 4F243DT-GE2B             | -            | -                | 4H-RA    | 4FT-AC      | -                   | W/ENGINE    | Direct-coupled          |                                  | 32.5 | 43.6  | 1500  | 29.3 | 39.2  | 1500  | 26.0 | 34.8  | 1500         | NA   |             |            |            |            | ● (WW L)   | ● (WW L)   |
|                   | 4B243TLW       | 4B243TLWEG-D             | 4BT-PP       | 4BTE-C-KIT1      | 4BT-RA1  | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 32.0 | 42.9  | 1800  | 28.8 | 38.6  | 1800  | 27.2 | 36.4  | 1800         | NA   |             |            |            |            | ● (WW4500) | ● (WW4500) |
|                   |                | 4B243TLWG-D              | 4BT-PP       | 4BT-C-KIT1       | 4BT-RA1  | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 30.0 | 40.2  | 1800  | 27.0 | 36.2  | 1800  | 25.5 | 34.2  | 1800         | NA   |             |            |            |            | ●          | ●          |
|                   |                | 4B243TLWEG-E             | 4BT-PP       | 4BTE-C-KIT1      | 4BT-RA1  | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 25.0 | 33.5  | 1500  | 22.5 | 30.2  | 1500  | 21.3 | 28.5  | 1500         | NA   |             |            | Stage IIIA | ● (WW4500) | ● (WW4500) |            |
|                   | 4A220LW        | 4A220LWEG                | 4A-PP        | 4BTE-C-KIT1      | 4A-RA    | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 24.0 | 32.2  | 1800  | 21.6 | 29.0  | 1800  | 20.4 | 27.4  | 1800         | NA   |             |            |            |            | ● (WW4500) | ● (WW4500) |
|                   |                | 4A220LWG                 | 4A-PP        | 4BT-C-KIT1       | 4A-RA    | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 24.0 | 32.2  | 1800  | 21.6 | 29.0  | 1800  | 20.4 | 27.4  | 1800         | NA   | ○ (Interim) |            |            |            | ●          | ●          |
|                   |                | 4A220LWEG-E              | 4A-PP        | 4BTE-C-KIT1      | 4A-RA    | 4A-AC       | 4A-MU               | 4A-FU       | B14-HP                  | 4B-HP                            | 20.0 | 26.8  | 1500  | 18.0 | 24.1  | 1500  | 17.0 | 22.8  | 1500         | NA   | ○ (Interim) |            |            |            | ● (WW4500) | ● (WW4500) |

\* Above engines can be provided for non emission, It is necessary to discuss with our engineer in advance.  
\* Among the above engines, [O] meet the performance requirements, but their certification is not valid or pending certification (StageV)

# Power Pack Solution

**Simple to Use and Maintain**

We are introducing a new Power Package Kit. This Kit provides the optimal solution for configuring engines that fit both your generators and specific needs. With KIOTI's unmatched engine technology, we are confident that the KIOTI Power Package is the best choice. You will be impressed by the cost-effectiveness of our popular engines.

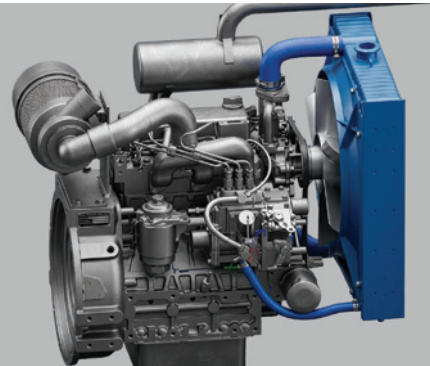


| Supply Scope (Engine+Power Pack) |          |                      |            |               |                 |               |                |               |           |               |              |                  |
|----------------------------------|----------|----------------------|------------|---------------|-----------------|---------------|----------------|---------------|-----------|---------------|--------------|------------------|
| Power Pack Series                | Power    | Engine Displace-ment | ❶ Radiator | ❷ Air cleaner | ❸ Support Brkt. | ❹ Fuel Filter | ❺ Reserve Tank | ❻ Fuel Cooler | Urea Tank | Control Panel | Wire Harness | Size (L×W×H, mm) |
| 3L-PP                            | 9-18kW   | 1.2L                 | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 535×672×773      |
| 3A-PP                            | 15-26kW  | 1.6L                 | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 549×784×919      |
| 3B-PP                            | 28kW     | 1.8L                 | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 557×814×728      |
| 4A-PP                            | 20-34kW  | 2.2L                 | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 557×784×1000     |
| 4AT-PP                           | 40kW     | 2.2L(T)              | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 561×790×1000     |
| 4B-PP                            | 37kW     | 2.4L                 | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 557×820×1011     |
| 4BT-PP                           | 25-44kW  | 2.4L(T)              | ○          | ○             | ○               | ○             | ○              | —             | —         | ○             | ○            | 557×820×1011     |
| 3H-PP                            | 18-30kW  | 1.8L                 | ○          | ○             | ○               | ○             | ○              | ○             | —         | ○             | ○            | 567×904×1034     |
| 3HTI-PP                          | 31-43kW  | 1.8L(T)              | ○          | ○             | ○               | ○             | ○              | ○             | —         | ○             | ○            | —                |
| 4HT-PP                           | 29-55kW  | 2.4L(T)              | ○          | ○             | ○               | ○             | ○              | ○             | —         | ○             | ○            | 567×917×1125     |
| 4HTI-PP                          | 43-55kW  | 2.4L(T)              | ○          | ○             | ○               | ○             | ○              | ○             | —         | ○             | ○            | —                |
| 4J-PP                            | 71-105kW | 3.8L                 | ○          | ○             | ○               | ○             | ○              | ○             | ○         | ○             | ○            | 673×1407×1278    |

# Optional Component Kit

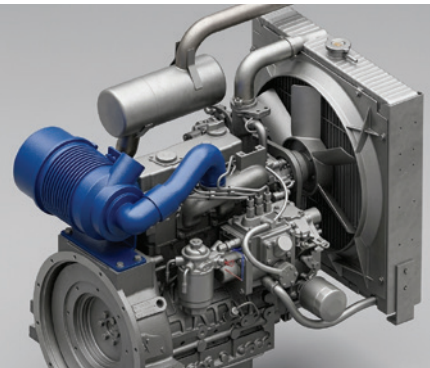
**Configurable Installation Options**

Select only the components required for each application. KIOTI optional kits help simplify packaging, reduce sourcing complexity, and support faster installation around the base engine.



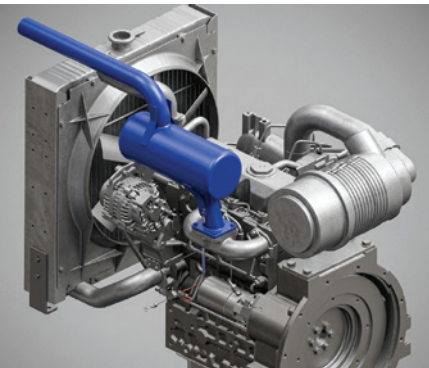
## 1 Radiator

Engine-matched cooling module for stable operation under continuous load.



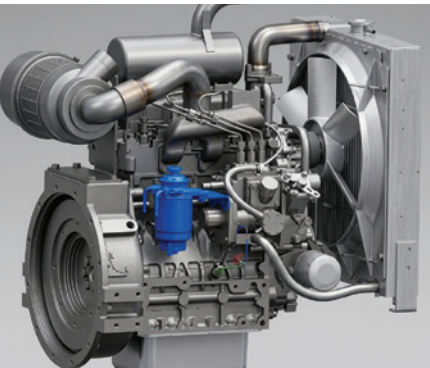
## 2 Air Cleaner

Intake filtration package for dusty field and industrial environments.



## 3 Muffler

Exhaust silencing option for lower noise and easier packaging



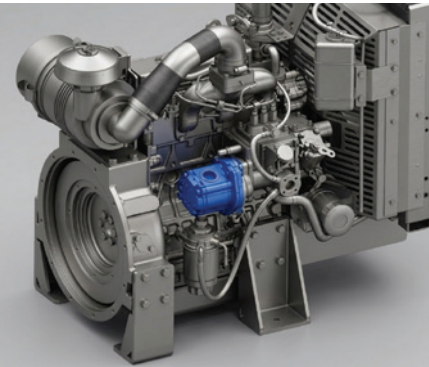
## 4 Fuel Filter

Serviceable fuel filtration to help protect the injection system.



## 5 Wiring Connector

Harness interface kit for faster electrical integration



## 6 HP Pump

Hydraulic pump/holder option for auxiliary equipment functions.



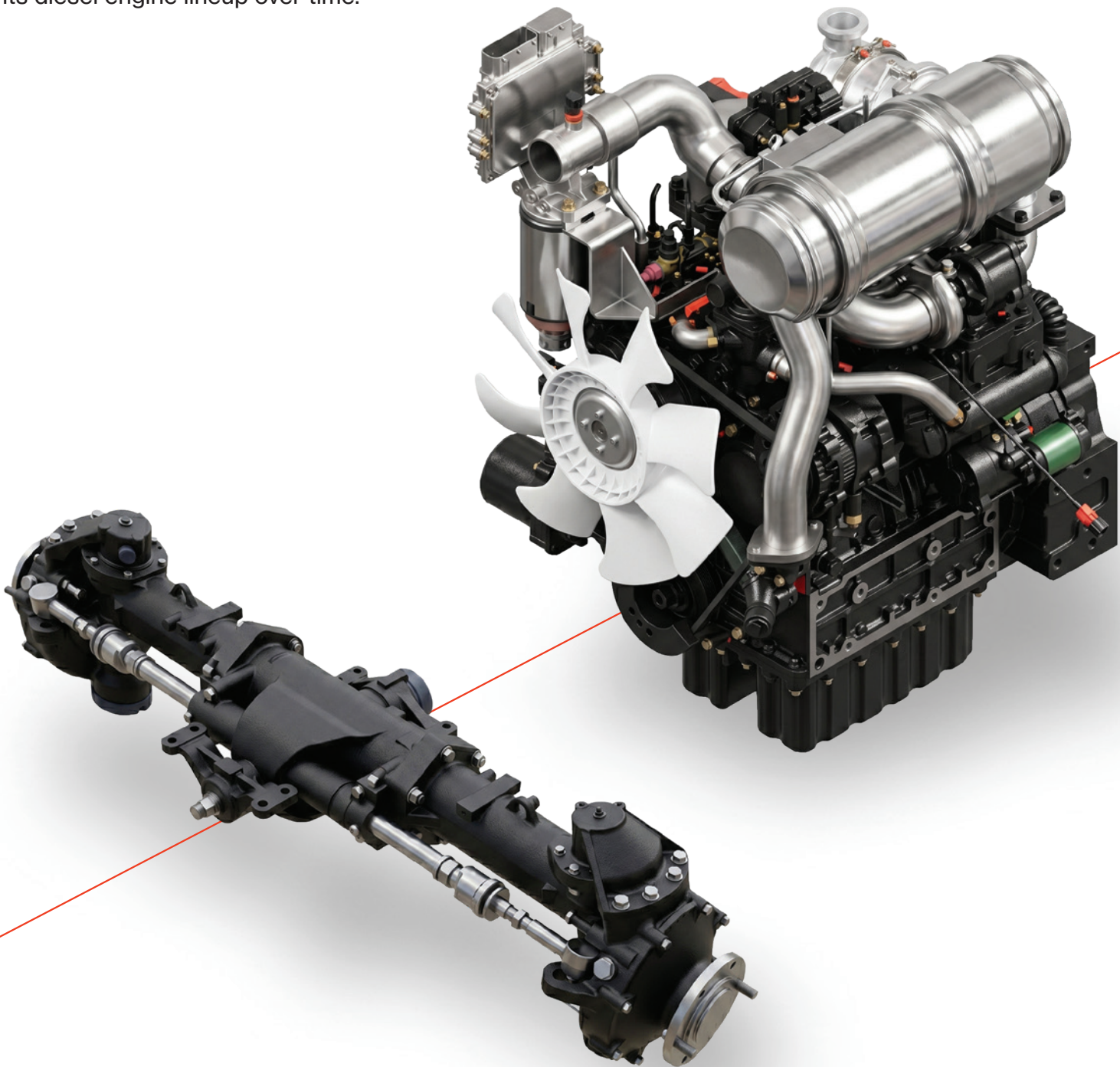
## 7 Control Display

A comprehensive digital interface for real-time engine monitoring, system control, and diagnostics to ensure peak performance and system protection.

# Complete Powertrain Solution

**Powertrain Package (Engine + Transmission + Axle)**

From compact diesel engines for small agricultural and construction equipment to high-output platforms for heavy-duty machines, Daedong has continuously expanded its diesel engine lineup over time.



“We supply the complete powertrain inside your machine”



**Package Value**

Flexible configuration from engine-only supply to a complete matched powertrain package, supported through performance responsibility, warranty, and service.

**Key Customer Benefits**

- |                                                                                                                  |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>1 Seamless Integration</b><br>Pre-validated matching for efficiency, durability, and smoother integration     | <b>2 Rapid Deployment</b><br>Reduced development time with a single source for package engineering and supply    |
| <b>3 Unified Accountability</b><br>Single point of responsibility for performance, warranty, and service support | <b>4 Adaptive Customization</b><br>Customizable gear ratios, layouts, and interfaces to fit vehicle requirements |

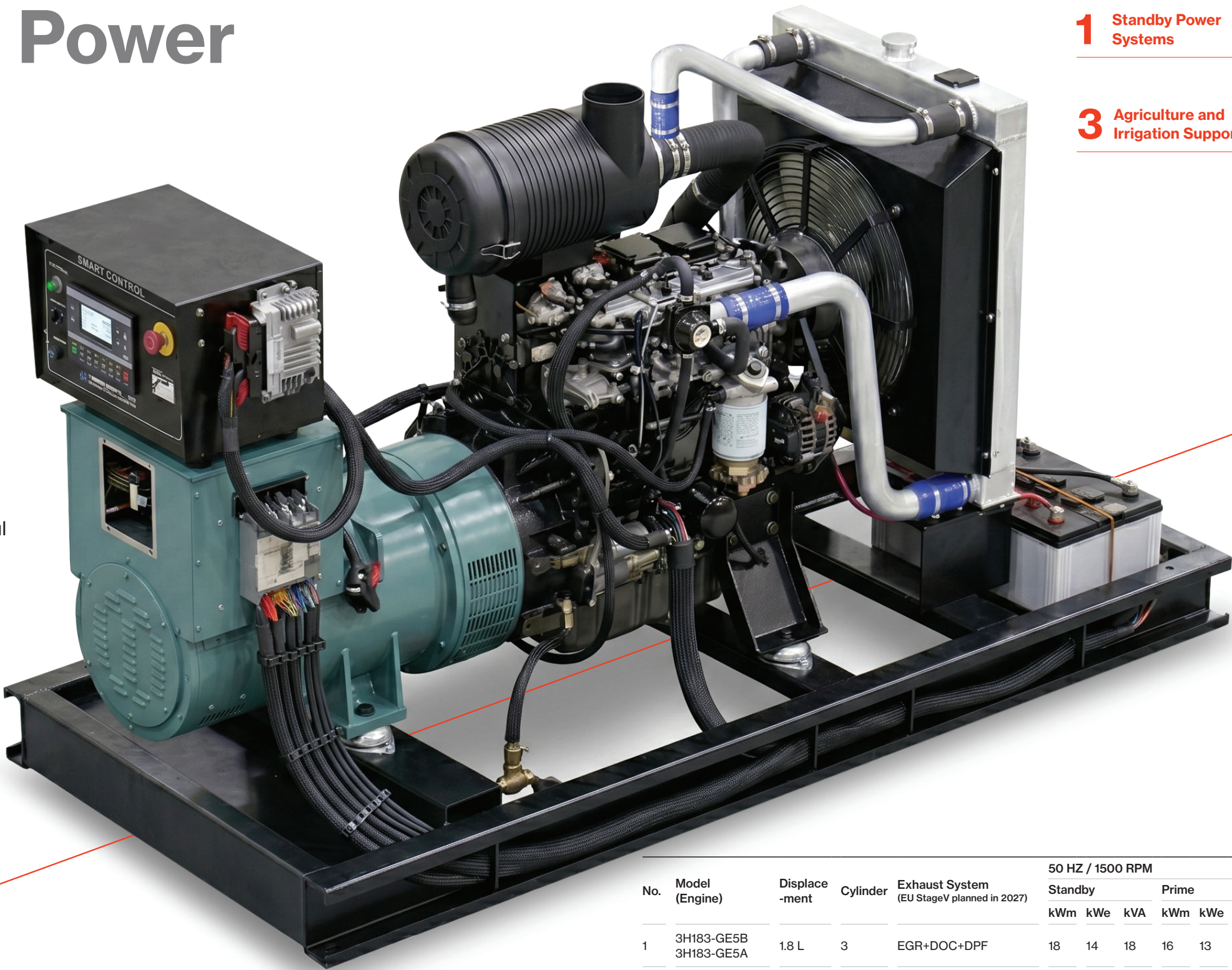
# Single Responsibility

# Generator Power Solutions

**Genset**  
KIOTI can support generator-ready power solutions, from generator-dedicated engines to configurable packages for genset integration.

**Generator Power Solutions**

- Suitable for 50/60 Hz, prime and standby applications.
- Low fuel consumption and long overhaul interval for reduced lifecycle cost.
- Available as engine-only or pre-configured generator packages to fit your genset design.



Typical applications

- 1** Standby Power Systems
- 2** Industrial and Facility Back Up
- 3** Agriculture and Irrigation Support
- 4** Construction and Infrastructure Use

from Engine  
to Generator Package

| No. | Model<br>(Engine)            | Displace-<br>ment | Cylinder | Exhaust System<br>(EU StageV planned in 2027) | 50 HZ / 1500 RPM |     |     |       |     |     | 60 HZ / 1800 RPM |     |     |       |     |     |
|-----|------------------------------|-------------------|----------|-----------------------------------------------|------------------|-----|-----|-------|-----|-----|------------------|-----|-----|-------|-----|-----|
|     |                              |                   |          |                                               | Standby          |     |     | Prime |     |     | Standby          |     |     | Prime |     |     |
|     |                              |                   |          |                                               | kWm              | kWe | kVA | kWm   | kWe | kVA | kWm              | kWe | kVA | kWm   | kWe | kVA |
| 1   | 3H183-GE5B<br>3H183-GE5A     | 1.8 L             | 3        | EGR+DOC+DPF                                   | 18               | 14  | 18  | 16    | 13  | 16  | 22               | 18  | 22  | 20    | 16  | 20  |
| 2   | 3H183T-GE5B<br>3H183T-GE5A   | 1.8 L             | 3        | EGR+DOC+DPF                                   | 29               | 23  | 29  | 26    | 21  | 26  | 35               | 28  | 35  | 31    | 25  | 31  |
| 3   | 3H183TI-GE5B<br>3H183TI-GE5A | 2.4 L             | 3        | EGR+DOC+DPF                                   | 31               | 25  | 31  | 28    | 22  | 28  | 39               | 31  | 39  | 35    | 28  | 35  |
| 4   | 4H243T-GE5B<br>4H243T-GE5A   | 2.4 L             | 4        | EGR+DOC+DPF+SCR                               | 37               | 31  | 38  | 33    | 27  | 34  | 45               | 37  | 46  | 40    | 33  | 41  |
| 5   | 4H243TI-GE5B<br>4H243TI-GE5A | 2.4 L             | 4        | EGR+DOC+DPF+SCR                               | 43               | 36  | 44  | 39    | 32  | 40  | 51               | 42  | 53  | 46    | 38  | 47  |
| 6   | 4J383TA_GE5B<br>4J383TA_GE5A | 3.8 L             | 4        | EGR+DOC+DPF+SCR                               | 85               | 71  | 89  | 76    | 64  | 80  | 97               | 81  | 102 | 87    | 73  | 91  |

\* 1500 / 1800 RPM Switchable  
\* kVA: kiloVolt Ampere calculations based on a 0.8 power factor



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