

KIOTI ENGINE ▶



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Dealer Imprint Area

Kioti Tractor / Daedong Ind. Co., Ltd. / KIU Engine M(C) 01_0909



New KIOTI ENGINES
EPA Tier & EEC Stage III A series



KIOTI ENGINES : Powering DAEDONG equipment since 1947

Established in 1947 DAEDONG has become a market leader in the manufacture of agricultural machinery in Korea and the global acceptability of the products has enabled key markets such as the USA and Europe to become established.

The manufacturing facility is currently producing 40,000 multi-cylinder engines per annum in the 20-60hp range consisting of small 3 cylinder to turbo charged 4 cylinder engines.

The DAEDONG Technical Centre has a continuous programme of development to meet all the current and projected demands of the industry.

All Kioti Engine products are built in line with EPA, EEC, CARB, ISO 9001 and ISO 14001 certification.



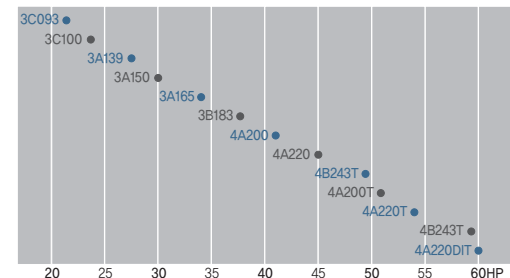
Application Base

The new Kioti engines are being applied to a wide range of equipment including compact tractors and harvesters, power generation, off highway equipment, skid steer loaders and marine .



KIOTI Engine EPA Tier & EEC Stage III A series

Kioti Engine Product Range



Quality assurance

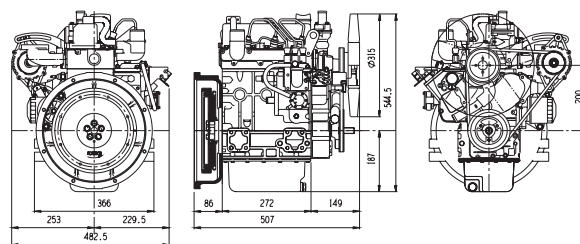
Kioti engines are controlled and assured with Emission test in production line, SPC control and Product chasing management.



3C093/3C100



DIMENSIONS

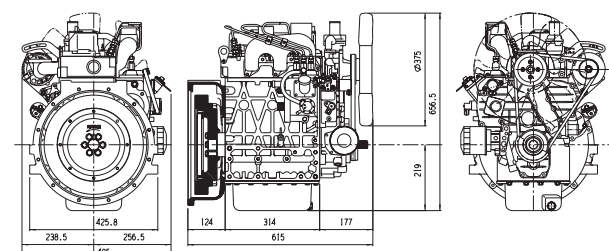


3C093LWS/3C100LWS

3A139/3A150/3A165

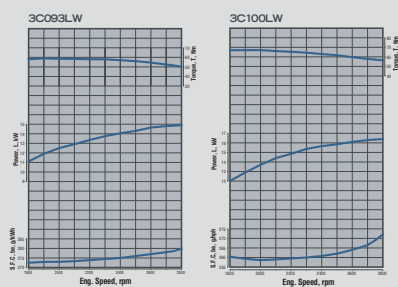


DIMENSIONS



3A139/3A150/3A165

PERFORMANCE CURVE

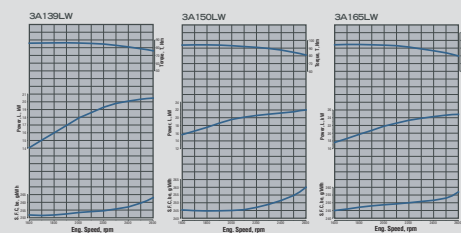


SPECIFICATION

| MODEL | 3C093LWS | 3C100LWS |
|-----------------------|--|-----------------------|
| Type | Vertical, 3cyl. Water-cooled 4-cycle diesel engine | |
| Emission Standard | Tier 4 | |
| Aspiration | Natural aspirated | |
| Combustion system | In-direct injection, Vortex chamber | |
| Bore and stroke | mm(in) 75 × 70 (2.95 × 2.76) | 75 × 76 (2.95 × 2.99) |
| Displacement | cc(in ³) 927 (56.7) | 1007 (61.5) |
| Dimensions(L × W × H) | mm(in) 507 × 483 × 545 (20.0 × 19.0 × 21.5) | 105 (232) |
| Dry weight | kg(lb) 101 (222) | 105 (232) |
| Rated power | kW (HP) @ rpm 14.2 (19) @ 2800 | 16.4 (22) @ 2800 |
| Maximum torque | N · m(kgf · m) @ rpm 55.9(5.7) @ 1900 | 63.8 (6.5) @ 1900 |
| Bare Speed(Min/Max) | rpm 1000/3000 | 1000/3000 |
| Governor type | Centrifugal ball mechanical governor | |
| Starter | 12V, 0.9 kW | 12V, 1.7 kW |
| Alternator | 12V, 50A | 12V, 50A |
| Battery | 12V, 65AH | 12V, 80AH |
| Flywheel housing | SAE #5 | |
| Flywheel | SAE clutch size 7.5" | |

* Battery is not included in the engine.

PERFORMANCE CURVE



SPECIFICATION

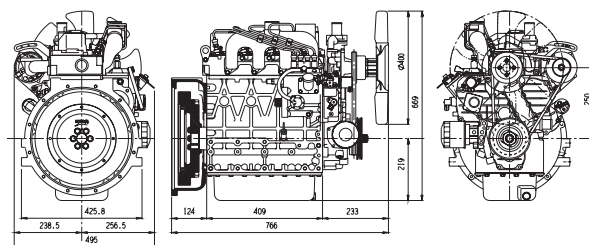
| MODEL | 3A139LWS | 3A150LWS | 3A165LWS |
|-----------------------|--|-------------------------|-------------------------|
| Type | Vertical, 3cyl. Water-cooled 4-cycle diesel engine | | |
| Emission Standard | Interim Tier 4 / Stage III A | | |
| Aspiration | Natural aspirated | | |
| Combustion system | In-direct injection, Vortex chamber | | |
| Bore and stroke | mm(in) 80 × 92.4 (3.15 × 3.64) | 83 × 92.4 (3.27 × 3.64) | 87 × 92.4 (3.43 × 3.64) |
| Displacement | cc(in ³) 1393 (85.0) | 1499 (91.5) | 1647 (100.5) |
| Dimensions(L × W × H) | 615 × 495 × 657 (24.2 × 19.5 × 25.9) | | |
| Dry weight | kg(lb) 175 (386) | 175 (386) | 175 (386) |
| Rated power | kW (HP) @ rpm 20.9 (28) @ 2600 | 22.4 (30) @ 2600 | 25.4 (34) @ 2600 |
| Maximum torque | N · m(kgf · m) @ rpm 86.3 (8.7) @ 1700 | 94.2 (9.6) @ 1700 | 105 (10.7) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 | 1000/2800 | 1000/2800 |
| Governor type | Centrifugal ball mechanical governor | | |
| Starter | 12V, 1.7 kW | 12V, 1.7 kW | 12V, 1.7 kW |
| Alternator | 12V, 50A | 12V, 50A | 12V, 50A |
| Battery | 12V, 80AH | 12V, 80AH | 12V, 80AH |
| Flywheel housing | SAE #4 | | |
| Flywheel | SAE clutch size 7.5" | | |

* Battery is not included in the engine.

4A200LWS / 4A220LWS



DIMENSIONS

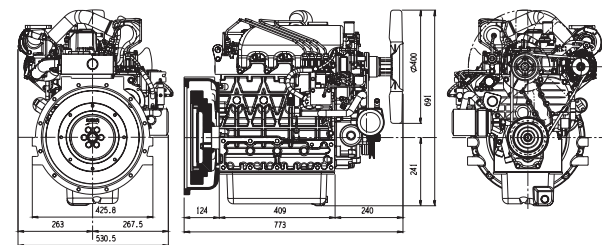


4A200LWS / 4A220LWS

4A200TLWS / 4A220TLWS

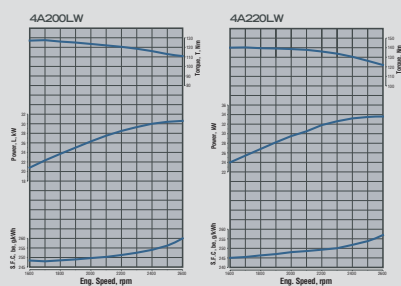


DIMENSIONS



4A200TLWS / 4A220TLWS

PERFORMANCE CURVE

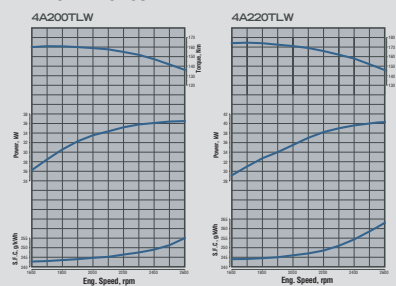


SPECIFICATION

| MODEL | 4A200LWS | 4A220LWS |
|-----------------------|--|-------------------------|
| Type | Vertical, 4cyl. Water-cooled 4-cycle diesel engine | |
| Emission Standard | Interim Tier 4 / Stage III A | |
| Aspiration | Natural aspirated | |
| Combustion system | In-direct injection, Vortex chamber | |
| Bore and stroke | mm(in) 83 × 92.4 (3.27 × 3.64) | 87 × 92.4 (3.43 × 3.64) |
| Displacement | cc(in ³) 1999 (122.0) | 2197 (134.1) |
| Dimensions(L × W × H) | mm(in) 766 × 495 × 669 (30.2 × 19.5 × 26.3) | |
| Dry weight | kg(lb) 207 (456) | |
| Rated power | kW (HP) @ rpm 30.6 (41) @ 2600 | 33.6 (45) @ 2600 |
| Maximum torque | N · m(kgf · m) @ rpm 127.5 (13) @ 1700 | 140.3 (14.3) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 | |
| Governor type | Centrifugal ball mechanical governor | |
| Starter | 12V, 1.7 kW | |
| Alternator | 12V, 50A | |
| Battery | 12V, 80AH | |
| Flywheel housing | SAE #4 | |
| Flywheel | SAE clutch size 7.5" | |

* Battery is not included in the engine.

PERFORMANCE CURVE



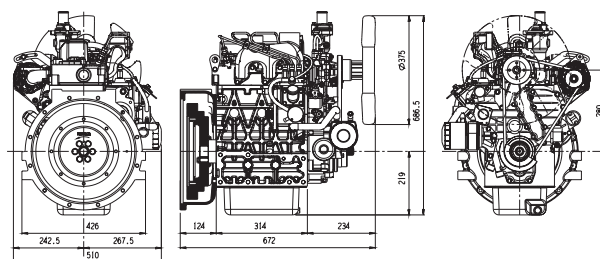
SPECIFICATION

| MODEL | 4A200TLWS | 4A220TLWS |
|-----------------------|--|-------------------------|
| Type | Vertical, 4cyl. Water-cooled 4-cycle diesel engine | |
| Emission Standard | Interim Tier 4 / Stage III A | |
| Aspiration | Turbo charger | |
| Combustion system | In-direct injection, Vortex chamber | |
| Bore and stroke | mm(in) 83 × 92.4 (3.27 × 3.64) | 87 × 92.4 (3.43 × 3.64) |
| Displacement | cc(in ³) 1999 (122.0) | 2197 (134.1) |
| Dimensions(L × W × H) | mm(in) 773 × 531 × 691 (30.4 × 20.9 × 27.2) | |
| Dry weight | kg(lb) 256 (564) | |
| Rated power | kW (HP) @ rpm 37.3 (50) @ 2600 | 40.3 (54) @ 2600 |
| Maximum torque | N · m(kgf · m) @ rpm 160.9 (16.4) @ 1700 | 174.6 (17.8) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 | |
| Governor type | Centrifugal ball mechanical governor | |
| Starter | 12V, 1.7 kW | |
| Alternator | 12V, 50A | |
| Battery | 12V, 80AH | |
| Flywheel housing | SAE #4 | |
| Flywheel | SAE clutch size 7.5" | |

* Battery is not included in the engine.

3B183LWS

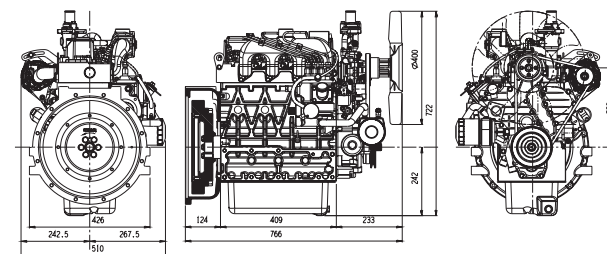
DIMENSIONS



3B183LWS

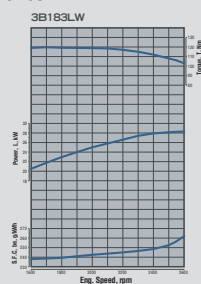
4B243LWS

DIMENSIONS



4B243LWS

PERFORMANCE CURVE

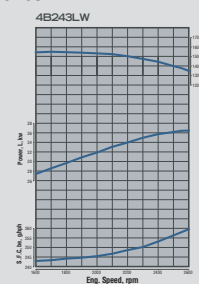


SPECIFICATION

| MODEL | 3B183LWS |
|-----------------------|--|
| Type | Vertical, Scyl. Water-cooled 4-cycle diesel engine |
| Emission Standard | Interim Tier 4 / Stage III A |
| Aspiration | Natural aspirated |
| Combustion system | In-direct injection, Vortex chamber |
| Bore and stroke | mm(in) 87 × 102.4 (3.43 × 4.03) |
| Displacement | cc(in ³) 1826 (111.4) |
| Dimensions(L × W × H) | mm(in) 672 × 510 × 687 (26.5 × 20.1 × 27.1) |
| Dry weight | kg(lb) 185 (408) |
| Rated power | kW (HP) @ rpm 28.3 (38) @ 2600 |
| Maximum torque | N · m(kgf · m) @ rpm 119.7 (12.2) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 |
| Governor type | Centrifugal ball mechanical governor |
| Starter | 12V, 1.7 kW |
| Alternator | 12V, 50A |
| Battery | 12V, 80AH |
| Flywheel housing | SAE # 4 |
| Flywheel | SAE clutch size 7.5" |

* Battery is not included in the engine.

PERFORMANCE CURVE



SPECIFICATION

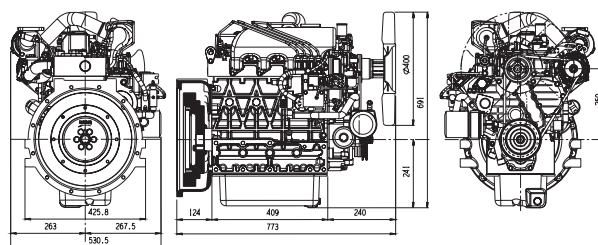
| MODEL | 4B243LWS |
|-----------------------|--|
| Type | Vertical, 4cyl. Water-cooled 4-cycle diesel engine |
| Emission Standard | Interim Tier 4 / Stage III A |
| Aspiration | Natural aspirated |
| Combustion system | In-direct injection, Vortex chamber |
| Bore and stroke | mm(in) 87 × 102.4 (3.43 × 4.03) |
| Displacement | cc(in ³) 2434 (148.6) |
| Dimensions(L × W × H) | mm(in) 766 × 510 × 722 (30.2 × 20.1 × 28.4) |
| Dry weight | kg(lb) 221 (487) |
| Rated power | kW (HP) @ rpm 36.5 (49) @ 2500 |
| Maximum torque | N · m(kgf · m) @ rpm 155 (15.8) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 |
| Governor type | Centrifugal ball mechanical governor |
| Starter | 12V, 1.7 kW |
| Alternator | 12V, 50A |
| Battery | 12V, 80AH |
| Flywheel housing | SAE # 4 |
| Flywheel | SAE clutch size 7.5" |

* Battery is not included in the engine.

4B243TLWS

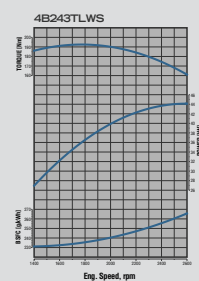


DIMENSIONS



4B243TLWS

PERFORMANCE CURVE



SPECIFICATION

| MODEL | 4B243TLWS |
|-----------------------|--|
| Type | Vertical, 4cyl. Water-cooled 4-cycle diesel engine |
| Emission Standard | Interim Tier 4 / Stage III A |
| Aspiration | Turbo charger |
| Combustion system | In-direct injection, Vortex chamber |
| Bore and stroke | mm(in) 87 × 102.4 (3.43 × 4.03) |
| Displacement | cc(in ³) 2434 (148.6) |
| Dimensions(L × W × H) | mm(in) 773 × 531 × 736 (30.4 × 20.9 × 28.9) |
| Dry weight | kg(lb) 256 (564) |
| Rated power | kW (HP) @ rpm 44(59) / 2500 |
| Maximum torque | N · m(kgf · m) @ rpm 191 (19.5) @ 1700 |
| Bare Speed(Min/Max) | rpm 1000/2800 |
| Governor type | Centrifugal ball mechanical governor |
| Starter | 12V, 1.7 kW |
| Alternator | 12V, 50A |
| Battery | 12V, 80AH |
| Flywheel housing | SAE # 4 |
| Flywheel | SAE clutch size 7.5" |

* Battery is not included in the engine.



sharing our effort, pride and
SATISFACTION with the customers

To further satisfy customers, Kioti is continuously endeavoring to improve productivity and enhance the infrastructure through technological innovations and the development of new products.

