

## STAGE DIESEL POWER PACKS CLEAN > COMPACT > READY TO INSTALL

For Earth, For Life Kubola

## DIESEL POWER PACKS FROM KUBOTA

With its Diesel Power Packs ranging from 28 to 55 kW, Kubota offers innovative and economical pre-assembled packs with common rail technology and cutting-edge exhaust gas treatment according to EU Stage V emission standard. The modular packs are extremely compact, permit high performance and are ideal for installation situations where space is a premium. Increasing efficiency and productivity can be found with the ready to run, ready to work Power Packs from Kubota.

STAGE



### **DIESEL POWER PACKS** GENERAL SPECIFICATIONS

		Engines Variable Speed							Er	Engines Constant Speed			
Model		V1505-CR-TE5	D1803-CR-E5	D1803-CR-TE5	V2403-CR-E5	V2403-CR-TE5	V2607-CR-E5	V2607-CR-TE5	V3307-CR-TE5	V2403-CR	-TE5BG2	V3800-CR	R-TE5BG2
Emission Regulation					EPA Tier 4/	/EU Stage V					EU Stage V		
Туре		Vertical 4-cycle watercooled diesel					Vertical 4-cycle watercooled diesel						
Number of Cylinders		4	3		4		4		4	4		4	
Bore	e mm 78.0 87.0		7.0	87	7.0	87	7.0	94.0	87.0		100.0		
Stroke	mm	78.4	10	2.4	102.4		11	0.0	120.0	102	2.4	120.0	
Displacement	L	1.498	1.826		2.434		2.615		3.331	3.331 2.434		3.769	
Combustion System	m				Direct i	njection				Direct injection			
Aspiration		Turbo charged	Naturally aspirated	Turbo charged	Naturally aspirated	Turbo charged	Naturally aspirated	Turbo charged	Turbo charged	Turbo charged			
Aftertreatment dev	Aftertreatment device DOC+DPF				DOC+DPF								
Rated Speed	rpm	3000	27	/00	27	2700 2700 2400		2400	1500		1500		
	kW	33.0	28.0	37.0	37.4	48.6	42.0	53.0	55.4	28.1**	25.5***	42.8**	38.9***
Output*	hp	44.3	37.5	49.6	50.2	65.2	56.3	71.1	74.3	37.7**	34.2***	57.4**	52.2***
	PS	44.9	38.1	50.3	50.9	66.1	57.1	72.1	75.3	38.2**	34.7***	58.2**	52.9***
Direction of Rotation	on				Counterclockwise	viewed on flywhee	I			Counterclockwise viewed on flywheel			
Oil Pan Capacity	L	6.7	7	.0	9	.5	10.2		11.2	9.5		13.2	
Starter Capacity	V-kW	12-1.4	12-	-2.0	12-	-2.0	12-	-2.5	12-3.0	12-:	2.0	12-3	3.0
Alternator	V-A	12-60	12	-70	12-70		12	-90	12-90	12-	40	12-	-45
Length	mm	920	9	07	1002		1079	1089	1112	87	'5	110	36
Width	mm	533	54	48	548		556		556	55	2	58	81
Height	mm	816	8	61	8	61	8	38	825	84	9	88	87
Dry Weight	kg	173	185	196	221	233	267	272	305	23	2	30	00

Kubota

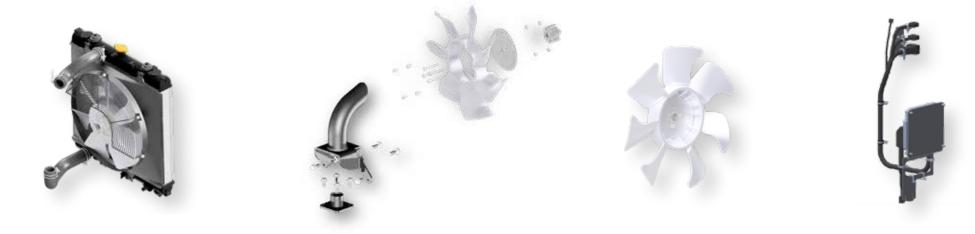
Specification is subject to change without notice | \*variable speed: Output SAE J1995 Gross Power | \*\* constant speed: Output SAE J1349 Net Power Stand-by | \*\*\* constant speed: Output SAE J1349 Net Power Continuous DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter | Dimensions and dry weight are according to Kubota's standard specification

	Engines Variable Speed <sup>1)</sup>					Engines Constant Speed <sup>2)</sup>							
Model		V1505-CR-TE5 Turbo charged	D1803-CR-E5 Naturally aspirated	D1803-CR-TE5 Turbo charged	V2403-CR-E5 Naturally aspirated	V2403-CR-TE5 Turbo charged	V2607-CR-E5 Naturally aspirated	V2607-CR-TE5 Turbo charged	V3307-CR-TE5 Turbo charged	V2403-CR Tur char	bo	V3800-CR Tur char	bo
Rated Speed	rpm	3000	3000 2700 2700		700	2700		2400	1500		1500		
	kW	33.0	28.0	37.0	37.4	48.6	42.0	53.0	55.4	28.1**	25.5***	42.8**	38.9***
Output*	hp	44.3	37.5	49.6	50.2	65.2	56.3	71.1	74.3	37.7**	34.2***	57.4**	52.2***
	PS	44.9	38.1	50.3	50.9	66.1	57.1	72.1	75.3	38.2**	34.7***	58.2**	52.9***
					Op	otional Accessorie	S						
Heavy Duty Side	PTO <sup>3)</sup>		Also	available as Heavy	v Duty Side PTO v	ariant	Х	Х	Х				
Radiator	Radiator		Х	Х	Х	Х	Х	Х	Х	X	(	X	(
Fan		Х	Х	Х	Х	Х	Х	Х	Х	×	(	X	(
Exhaust Tail Pipe								Х	Х				
Wire Harness		Х	Х	Х	Х	Х	Х	Х	Х	X	K	×	(

Specification is subject to change without notice | \*variable speed: Output SAE J1995 Gross Power | \*\* constant speed: Output SAE J1349 Net Power Stand-by | \*\*\* constant speed: Output SAE J1349 Net Power Continuous 1) incl. air filter and intake hoses as well as exhaust gas aftertreatment unit with DOC and DPF (pre-assembled)

2) incl. air filter and intake hoses; exhaust gas aftertreatment unit to be mounted on the machine side

3) Heavy duty side PTO for high power take-off through additional hydraulic pumps



## KUBOTA 05 SERIES (4-Cylinder)

## **V1505-CR-TE5 DIESEL POWER PACK**

#### INDUSTRIAL DIESEL ENGINE

**EPA TIER 4 EU STAGE V** 

SAE J1995 GROSS POWER

120

110 105

250

BSFC [g/kW·h] 240 230

rorque [N·m] 115

POWER

### 33.0 kW/3000 rpm



FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, EPA/CARB Tier 4 and EU Stage V.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. DOC and DPF are positioned on the engine to save space. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs.

#### Ready to install

1800

2000

34 32 30

With Power Packs, Kubota offers the customer with a complete power solution which can be easily integrated into many different types of application reducing time-consuming and expensive in-house development. Thanks to the modular accessory system, the ancillary items can be individually configured for the specific requirements, and commissioned without delay.

2400

ENGINE SPEED [rpm]

2600

2800

3000

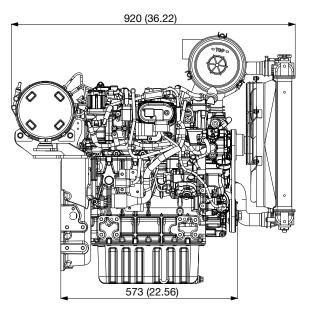
2200

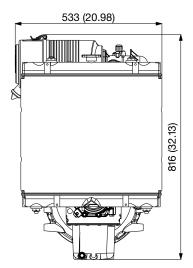
#### **Kubota Engine Service Network**

Kubota's expert service staff around the world are committed to stand by our customers with reliable after-sales services. Our firm stance is to quickly deliver the precise service parts to repair and maintain Kubota powered machines for all our customers worldwide. It's an initiative that leads Kubota to become a Global Major Brand.

Model		V1505-CR-TE5			
Emission Regulation		EPA Tier 4/EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	78.0 (3.07)			
Stroke	mm (in)	78.4 (3.09)			
Displacement	L (cu. in)	1.498 (91.41)			
Combustion System		Direct injection			
Aspiration		Turbo charged			
Aftertreatment devic	e	DOC+DPF			
Rated Speed	rpm	3000			
Output	kW	33.0			
SAE J1995 Gross Power	hp	44.3			
	PS	44.9			
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	6.7 (1.77)			
Starter Capacity	V-kW	12-1.4			
Alternator	V-A	12–60			
Length mm		920 (36.22)			
Width	mm (in)	533 (20.98)			
Height	mm (in)	816 (32.13)			
Dry Weight	kg (lb)	173 (381)			

### DIMENSIONS





Dimensions and weight depend on completed specifications.

Specification is subject to change without notice | Output: SAE J1995 Gross Power DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter Dimensions and dry weight are according to Kubota's standard specification.

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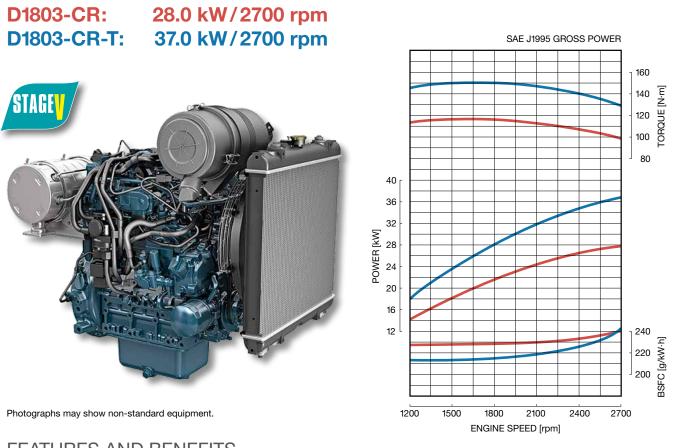
## KUBOTA 03 SERIES (3-Cylinder)

## D1803-CR-(T)E5 DIESEL POWER PACK

#### INDUSTRIAL DIESEL ENGINE

EPA TIER 4 EU STAGE V

### POWER



## FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, EPA/CARB Tier 4 and EU Stage V.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. With their easy accessible PTO positions, installation is possible even in the most restricted applications. DOC and DPF are positioned on the engine to save space. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs.

#### Ready to install

With Power Packs, Kubota offers the customer with a complete power solution which can be easily integrated into many different types of application reducing time-consuming and expensive in-house development. Thanks to the modular accessory system, the ancillary items can be individually configured for the specific requirements, and commissioned without delay.

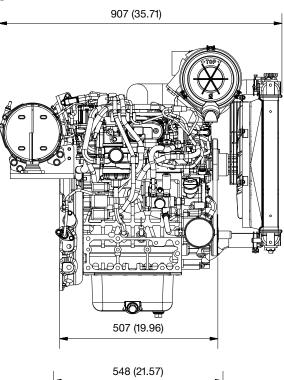
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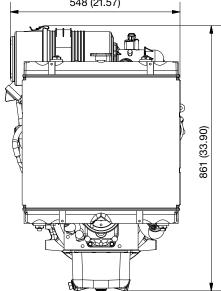
Model		D1803-CR-E5	D1803-CR-TE5		
Emission Regulation		EPA Tier 4/EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		3			
Bore	mm (in)	87.0	(3.43)		
Stroke	mm (in)	102.4	(4.03)		
Displacement	L (cu. in)	1.826	(111.43)		
Combustion System		Direct i	njection		
Aspiration		Naturally Turbo aspirated charged			
Aftertreatment device	e	DOC+DPF			
Rated Speed	rpm	2700			
Output	kW	28.0	37.0		
SAE J1995 Gross Power	hp	37.5	49.6		
Gross Power	PS	38.1	50.3		
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	7.0 (1.85)			
Starter Capacity	V-kW	12-2.0			
Alternator	V-A	12-70			
Length	Length mm (in)		907 (35.71)		
Width	mm (in)	548 (21.57)			
Height	mm (in)	861 (	33.90)		
Dry Weight	kg (lb)	185 (408)	196 (432)		

Specification is subject to change without notice | Output: SAE J1995 Gross Power DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter

Dimensions and dry weight are according to Kubota's standard specification.

## DIMENSIONS





Dimensions and weight depend on completed specifications.

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## KUBOTA 03 SERIES (4-Cylinder)

## V2403-CR-(T)E5 DIESEL POWER PACK

#### INDUSTRIAL DIESEL ENGINE

**EPA TIER 4 EU STAGE V** 

### POWER



## FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, EPA/CARB Tier 4 and EU Stage V.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. With their easy accessible PTO positions, installation is possible even in the most restricted applications. DOC and DPF are positioned on the engine to save space. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs.

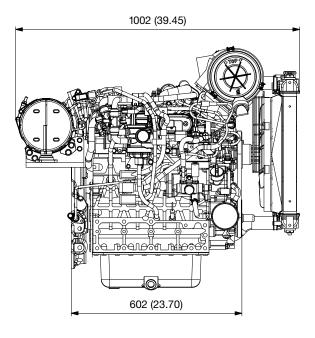
#### Ready to install

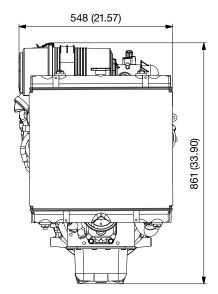
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#### **Kubota Engine Service Network**

Model		V2403-CR-E5	V2403-CR-TE5		
Emission Regulation		EPA Tier 4/EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	87.0	(3.43)		
Stroke	mm (in)	102.4	(4.03)		
Displacement	L (cu. in)	2.434	(148.53)		
Combustion System		Direct i	njection		
Aspiration		Naturally aspirated	Turbo charged		
Aftertreatment device	e	DOC+DPF			
Rated Speed	rpm	2700			
Output	kW	37.4	48.6		
SAE J1995 Gross Power	hp	50.2	65.2		
	PS	50.9	66.1		
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	9.5 (2.51)			
Starter Capacity	V-kW	12-2.0			
Alternator	V-A	12-70			
Length	mm (in)	1002 (39.45)			
Width	mm (in)	548 (21.57)			
Height	mm (in)	861 (	33.90)		
Dry Weight	kg (lb)	221 (487)	233 (514)		

DIMENSIONS





Dimensions and weight depend on completed specifications.

Specification is subject to change without notice | Output: SAE J1995 Gross Power DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter

Dimensions and dry weight are according to Kubota's standard specification.

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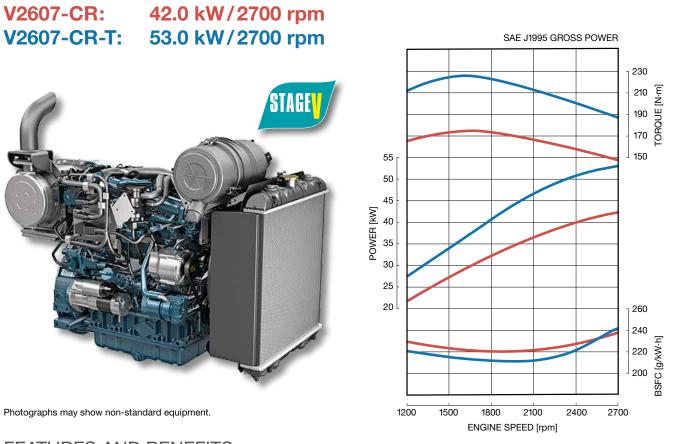
## KUBOTA 07 SERIES (4-Cylinder)

## V2607-CR-(T)E5 DIESEL POWER PACK

#### INDUSTRIAL DIESEL ENGINE

EPA TIER 4 EU STAGE V

#### POWER



### FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, EPA/CARB Tier 4 and EU Stage V.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. With their easy accessible PTO positions, installation is possible even in the most restricted applications. DOC and DPF are positioned on the engine to save space. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs. All service-relevant components are accessible from one side.

#### Ready to install

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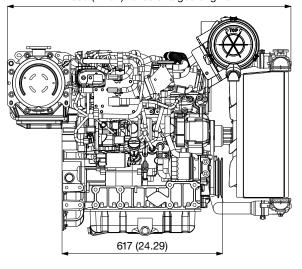
#### Kubota Engine Service Network

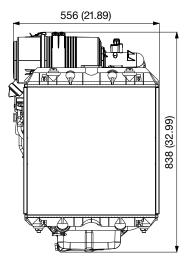
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Model		V2607-CR-E5	V2607-CR-TE5		
Emission Regulation		EPA Tier 4/EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	87.0	(3.43)		
Stroke	mm (in)	110.0	(4.33)		
Displacement	L (cu. in)	2.615 (	159.58)		
Combustion System		Direct i	njection		
Aspiration		Naturally Turbo aspirated charged			
Aftertreatment device	e	DOC + DPF			
Rated Speed	rpm	2700			
Output	kW	42.0	53.0		
SAE J1995 Gross Power	hp	56.3	71.1		
	PS	57.1	72.1		
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	10.2 (2.69)			
Starter Capacity	V-kW	12-2.5			
Alternator	V-A	12-90			
Length	mm (in)	1079 (42.48)	1089 (42.87)		
Width	Width mm (in)		556 (21.89)		
Height	mm (in)	838 (32.99)			
Dry Weight	kg (lb)	267 (589)	272 (600)		

DIMENSIONS

1079 (42.48) Naturally aspirated engine 1089 (42.87) Turbo charged engine





Dimensions and weight depend on completed specifications.

Specification is subject to change without notice | Output: SAE J1995 Gross Power DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter

Dimensions and dry weight are according to Kubota's standard specification.

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## KUBOTA 07 SERIES (4-Cylinder)

## V3307-CR-TE5 DIESEL POWER PACK

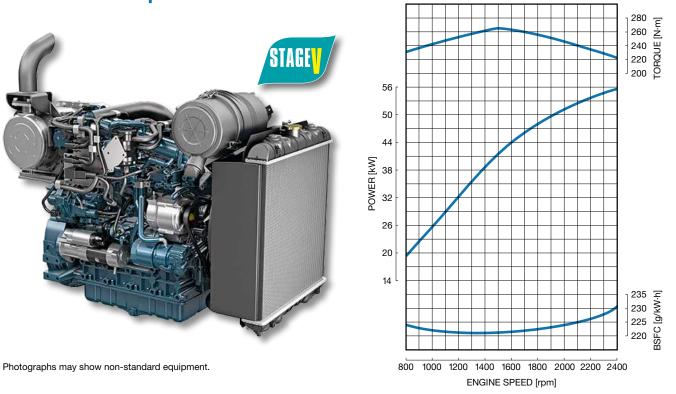
INDUSTRIAL DIESEL ENGINE

EPA TIER 4 EU STAGE V

SAE J1995 GROSS POWER

POWER

### 55.4 kW/2400 rpm



### FEATURES AND BENEFITS

#### Clean

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#### Compact

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#### Ready to install

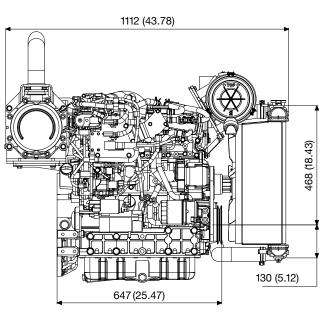
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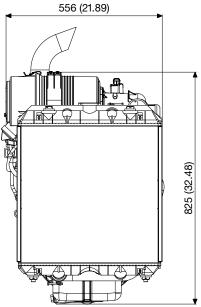
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Model		V3307-CR-TE5			
Emission Regulation		EPA Tier 4/EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	94.0 (3.70)			
Stroke	mm (in)	120.0 (4.72)			
Displacement	L (cu. in)	3.331 (203.27)			
Combustion System		Direct injection			
Aspiration		Turbo charged			
Aftertreatment devic	е	DOC+DPF			
Rated Speed	rpm	2400			
Output	kW	55.4			
SAE J1995 Gross Power	hp	74.3			
	PS	75.3			
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	11.2 (2.96)			
Starter Capacity	V-kW	12-3.0			
Alternator	V-A	12-90			
Length	mm (in)	1112 (43.78)			
Width	mm (in)	556 (21.89)			
Height	mm (in)	825 (32.48)			
Dry Weight	kg (lb)	305 (672)			

## DIMENSIONS





Dimensions and weight depend on completed specifications.

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## KUBOTA 03 SERIES (4-Cylinder)

## V2403-CR-TE5BG2 DIESEL POWER PACK

INDUSTRIAL DIESEL ENGINE Constant speed

EU STAGE V

### POWER

Stand-by: Continuous:



Photographs may show non-standard equipment.

## FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, such as EU Stage V. The specially developed exhaust unit with Exchange Heating Catalyst (EHC) and Exhaust Throttle Valve (ETV) ensures reliable regeneration of the DPF even at low load.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs.

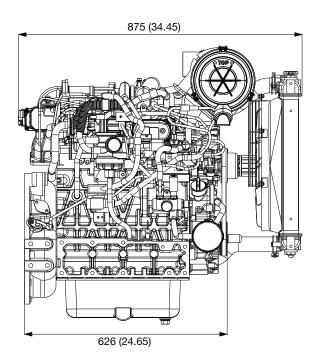
### Ready to install

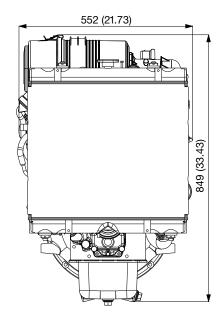
With Power Packs, Kubota offers the customer with a complete power solution which can be easily integrated into many different types of application reducing time-consuming and expensive in-house development. Thanks to the modular accessory system, the ancillary items can be individually configured for the specific requirements, and commissioned without delay.

### Kubota Engine Service Network

Model		V2403-CR	-TE5BG2		
Emission Regulation		EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	87.0 (	3.43)		
Stroke	mm (in)	102.4	(4.03)		
Displacement	L (cu. in)	2.434 (	48.53)		
Combustion System		Direct ir	njection		
Aspiration		Turbo charged			
Aftertreatment device	e	DOC+DPF			
Rated Speed	rpm	1500			
Output	kW	Stand-by 28.1	Contin. 25.5		
SAE J1349 Net Power	hp	Stand-by 37.7	Contin. 34.2		
Netrowei	PS	Stand-by 38.2	Contin. 34.7		
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	9.5 (2.51)			
Starter Capacity	V-kW	12-2.0			
Alternator	V-A	12-40			
Length	Length mm (in)		875 (34.45)		
Width mm (in)		552 (21.73)			
Height	mm (in)	849 (33.43)			
Dry Weight	kg (lb)	232 (511)			

DIMENSIONS





Specification is subject to change without notice | Output: SAE J1349 Net Power DOC: Diesel Oxidation Catalyst | DPF: Diesel Particulate Filter Dimensions and dry weight are according to Kubota's standard specification.

Dimensions and weight depend on completed specifications.

#### Kubota Europe S.A.S.

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21.12/E00<sup>-</sup>

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Kubota

#### Kubota (U.K.) Limited

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### KUBOTA V3 SERIES (4-Cylinder)

## V3800-CR-TE5BG2 DIESEL POWER PACK

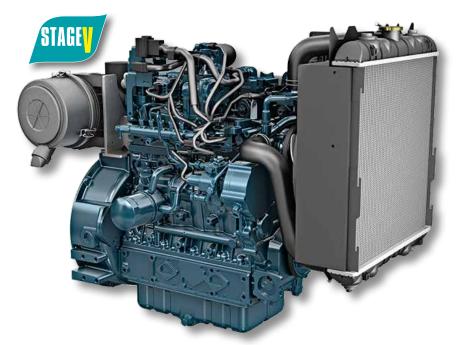
INDUSTRIAL DIESEL ENGINE Constant speed

**EU STAGE V** 

### POWER

 Stand-by:
 42.8 kW / 1500 rpm

 Continuous:
 38.9 kW / 1500 rpm



Photographs may show non-standard equipment.

### FEATURES AND BENEFITS

#### Clean

Kubota Power Packs are designed to be both economical and offer low emission solutions, adaptable with fully-electronic engine management control. Benefiting from an integrated exhaust gas after-treatment system combining the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), they meet the latest stringent emission standards, such as EU Stage V. The specially developed exhaust unit with Exchange Heating Catalyst (EHC) and Exhaust Throttle Valve (ETV) ensures reliable regeneration of the DPF even at low load.

#### Compact

The easy to install Power Packs take up little space, allowing adequate reserves for the addition of further components. The air filter and cooler positions are optimised, resulting in the most compact unit possible. An optional Intermediate Wire Harness provides the customer with all electronic connections to the engine already predefined with just a few transfer plugs.

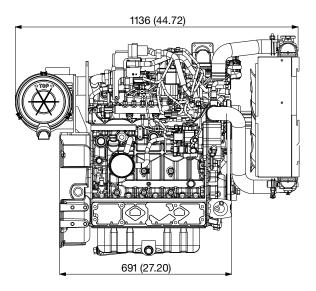
#### Ready to install

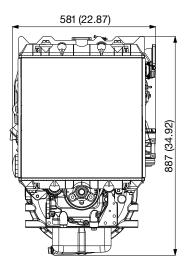
With Power Packs, Kubota offers the customer with a complete power solution which can be easily integrated into many different types of application reducing time-consuming and expensive in-house development. Thanks to the modular accessory system, the ancillary items can be individually configured for the specific requirements, and commissioned without delay.

#### Kubota Engine Service Network

Model		V3800-CR-TE5BG2			
Emission Regulation		EU Stage V			
Туре		Vertical 4-cycle watercooled diesel			
Number of Cylinders		4			
Bore	mm (in)	100.0 (3.94)			
Stroke	mm (in)	120.0	(4.72)		
Displacement	L (cu. in)	3.769 (2	230.00)		
Combustion System		Direct ir	ijection		
Aspiration		Turbo charged			
Aftertreatment device	e	DOC+DPF			
Rated Speed	rpm	1500			
Output	kW	Stand-by 42.8	Contin. 38.9		
SAE J1349 Net Power	hp	Stand-by 57.4	Contin. 52.2		
	PS	Stand-by 58.2	Contin. 52.9		
Direction of Rotation		Counterclockwise viewed on flywheel			
Oil Pan Capacity	L (gal)	13.2 (3.49)			
Starter Capacity	V-kW	12-3.0			
Alternator	V-A	12-45			
Length mm (in)		1136 (44.72)			
Width mm (in)		581 (22.87)			
Height	mm (in)	887 (34.92)			
Dry Weight	kg (lb)	300 (661)			

## DIMENSIONS





Dimensions and weight depend on completed specifications.

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