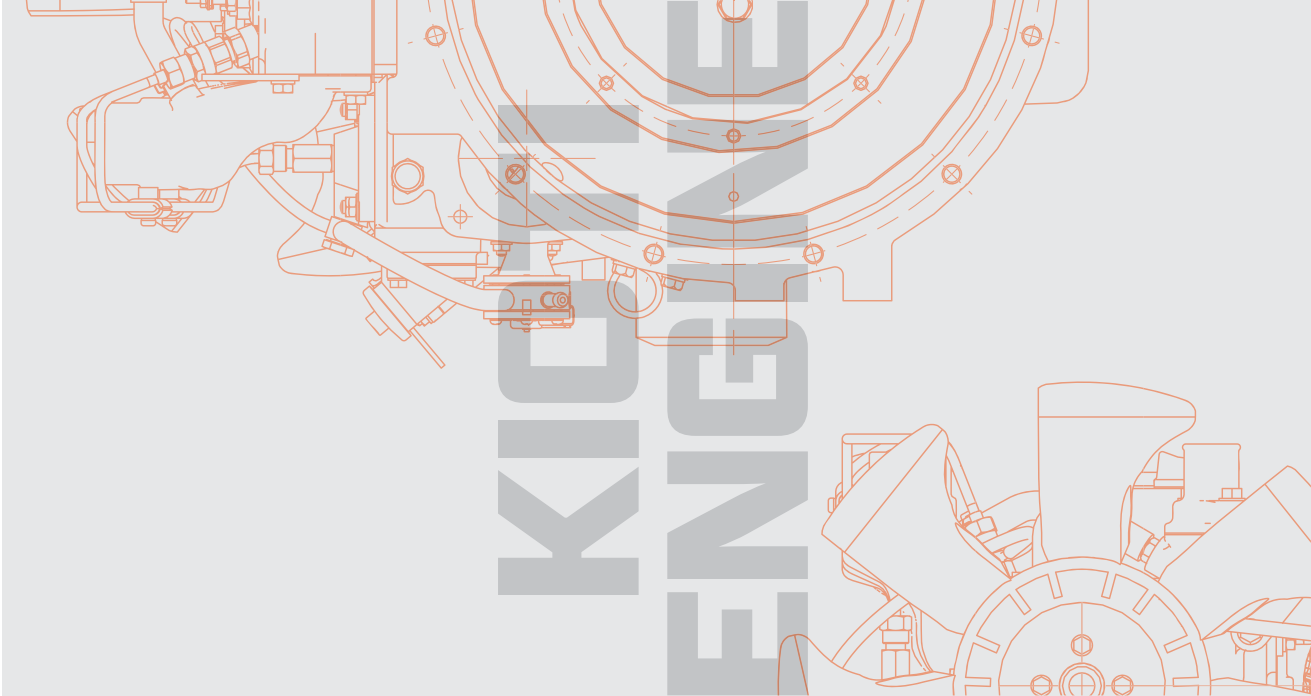


KIOTI **DIESEL ENGINE SERIES**





KIOTI DIESEL ENGINE

Introduction

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Engine Series

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GREETINGS

World-class Kioti Diesel Engine Series

Kioti is the brand name of Daedong Corporation established in 1947. Since then Daedong has been the leader in the mechanization of Korea starting with installing Diesel Engine in our agricultural products such as tractor, harvester etc. Through continuous research and development as well as innovation, Daedong keep supplying world-class diesel engines while satisfying EPA/CARB and ECU regulations with its durable and high-quality engines which can be used in a various applications.

The Promise of Kioti

Since establishment of the company has tirelessly striven to provide our valuable customers worldwide with competitive Engines.

Kioti will continue to value the satisfaction and strive for excellence and will be your dedicated partner who makes your business success.

Thank you.

J.S. KIM
CEO



OVERVIEW



Foundation | 1947 ~

- Jinju, Korea
- The first agriculture machinery manufacturer in Korea
- Contribution for Korean machinzation



Growth Global | 1983 ~

- Open branch in USA, Europe and China
- Launching Kioti as global brand

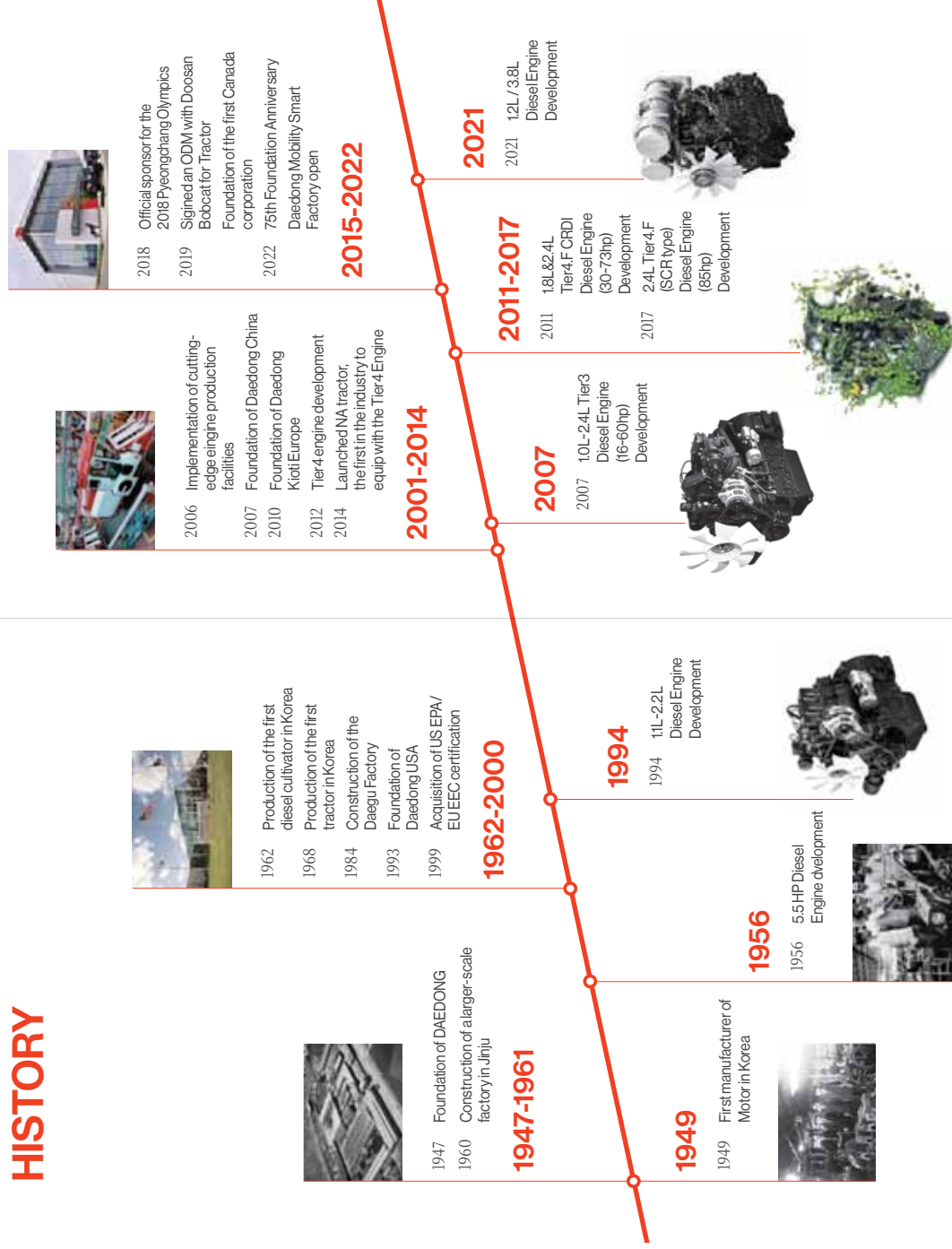


Engine ODM | 2022 ~

- Engine supply to Korea leading heavy construction company and Global GME manufacturing company.

Date of Establishment	1947	
Turnover	US\$1,240M (2022)	
Employees	1,400 (2022)	
Key Areas of Business	Manufacturing and sales of agricultural machinery, diesel engine and mobility.	
Product Line	Engine, Transmission, Tractor, Combine, Rice Transplanter, UTV, Golf Cart, Skid-Steer Loader	
Affiliates	List	Business Activities
	Daedong U.S.A. Inc.	Distribution in USA
	Daedong KIOTI Europe	Distribution in EU
	Daedong Canada	Distribution in Canada
	Daedong (Anhui) China	Manufacturing and Distribution
	Daedong Metals	Casting Product Manufacturing
	Hydro-Tek	Hydraulic Component Manufacturing
	Jeju Daedong	Eco-Theme Park
	Daedong Gear	Transmission Manufacturing
	Daedong Mobility	EV mobility Manufacturing

HISTORY



Productivity

A WORLD-CLASS PRODUCTION SYSTEM

Since Kiotti started to produce motor in 1949, we have been supplied diesel engines to the global market. In 2011 Kiotti has been producing the state-of-the-art electronic common rail engines with its 75 years of accumulated technical expertise. Kiotti engine are receiving sensationally favourable reviews from the market and customers around the world. In 2006, Kiotti further reinforced its cutting edge automated facilities for production and assembly, resulting in even greater product quality and enhanced production capacity. At present the diesel engine production capacity is around 100,000 per year.



Cylinder block assembly process



RGV (Rail Guide Vehicle)



Cylinder head assembly process



Piston assembly process



Assembly robot

Diesel Engine Series

ENGINE OUTPUT RANGE



MODEL	Liter	Emission Level																										
3L123	1.233	Stage5, Tier4 Final																										
3A165	1.647	Stage5, Tier4 Final																										
3B183	1.826	Stage3A, Tier4 Interim																										
4A220(T)	2.197	Stage3A, Tier4 Interim																										
4B243(T)	2.435	Stage3A, Tier4 Interim																										
3H183(T)	1.647	Stage5, Tier4 Final																										
4H243(T)	2.435	Stage5, Tier4 Final																										
4J383TA	3.833	Stage5, Tier4 Final																										
Power		kW	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
		hp																										

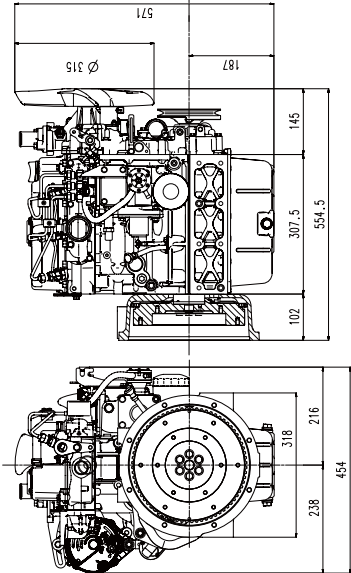
3L123 ENGINE



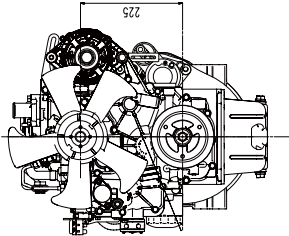
Model	3L123
Emission Level	Stage5, Tier4 Final
Engine Type	4-Cycle, In-line, Diesel, Water cooled
Cylinders	3-Cylinder
Bore x Stroke	mm 078×86
Displacement	Liter 1.233
Aspiration	Natural Aspiration
Aftertreatment	-
Rated Power	kw/hp/rpm 18.3 / 24.5 / 3000
Max. Torque	Nm/rpm 70 / 1800
Combustor Type	In-Direct Injection(Swirl Chamber)
Governor Type	Mechanical Centrifugal
Dimension (L x W x H)	mm 554.5×454×571
Dry Weight	Kg 120 (with Flywheel and Fan)
Flywheel housing	SAE No.6



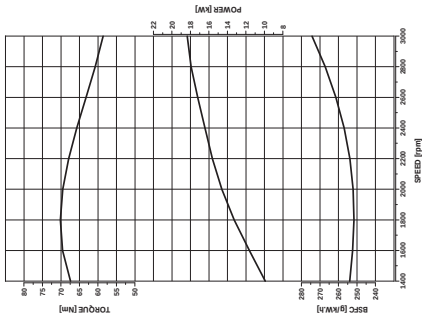
Dimension



Performance



3L123 18.3KW(24.5HP)



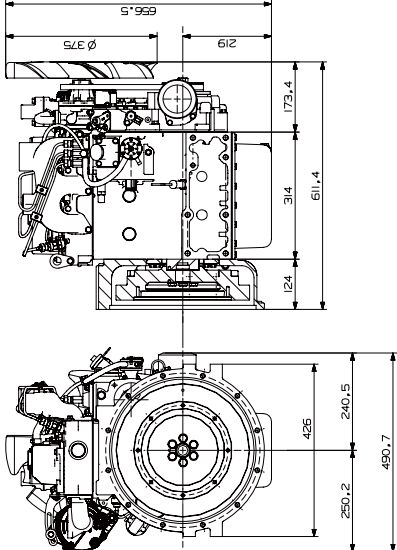
3A165 ENGINE



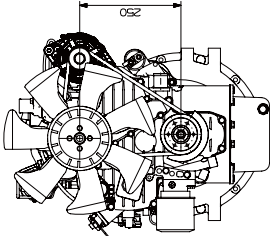
Model	3A165		
Emission Level	Stage5, Tier4 Final	Stage3A, Tier3	
Engine Type	4-Cycle, In-line, Diesel, Water cooled		
Cylinders	3-Cylinder		
Bore x Stroke	mm	Ø87 × 92.4	
Displacement	Liter	1.647	
Aspiration	Natural Aspiration		
Aftertreatment			
Rated Power	kW/hp/rpm	18.3 / 24.5 / 2600	18.4 / 24.7 / 2400 25.5 / 34.2 / 2600
Max. Torque	Nm/rpm	84 / 1700	97 / 1600 106 / 1600
Combustor Type	In-Direct Injection(Swirl Chamber)		
Governor Type	Mechanical Centrifugal		
Dimension (L x W x H)	mm	611.4 × 490.7 × 656.5	
Dry Weight	Kg	175 (with Fan)	
Flywheel housing		SAE No.4	



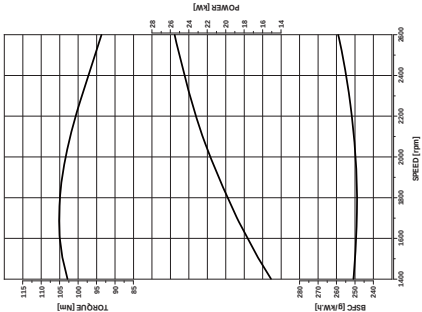
Dimension



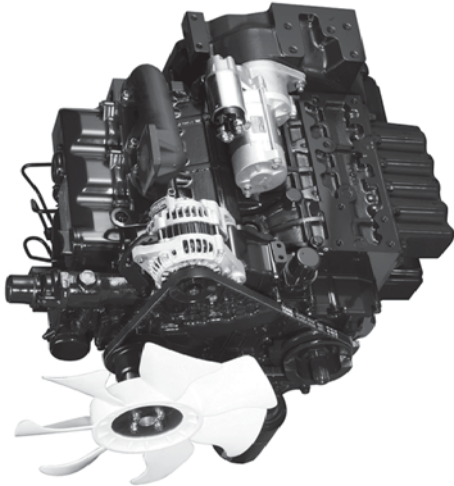
Performance



3A165 25.5KW(34.2HP)



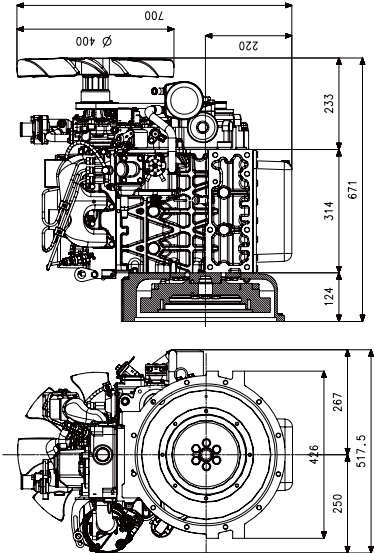
3B183 ENGINE



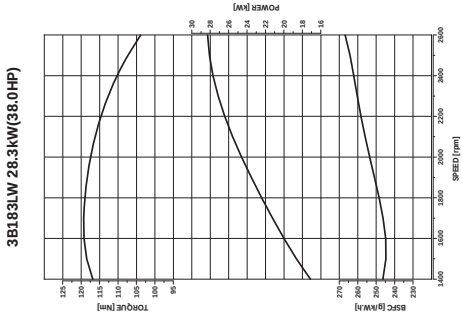
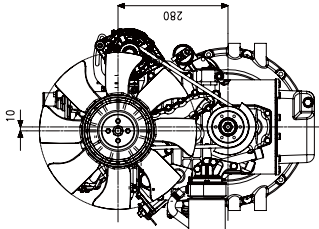
Model	3B183
Emission Level	Stage3A, Tier4 Interim
Engine Type	4-Cycle, In-line, Diesel, Water cooled
Cylinders	3-Cylinder
Bore x Stroke	mm Ø87 × 102.4
Displacement	Liter 1.826
Aspiration	Natural Aspiration
Aftertreatment	-
Rated Power	kW/hp/rpm 28.3 / 38 / 2600
Max. Torque	Nm/rpm 120 / 1700
Combustor Type	In-Direct Injection(Swirl Chamber)
Governor Type	Mechanical Centrifugal
Dimension (L x W x H)	mm 671 × 517.5 × 700
Dry Weight	Kg 180 (with Fan)
Flywheel housing	SAE No.4



Dimension



Performance



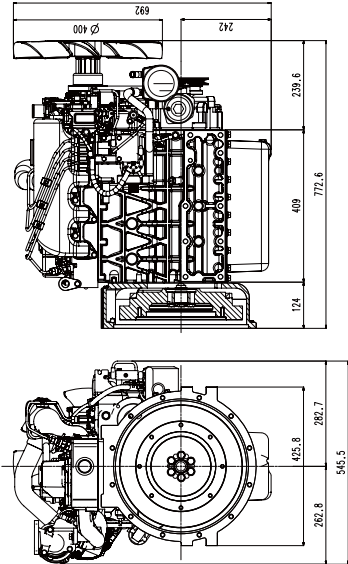
4A220(T) ENGINE



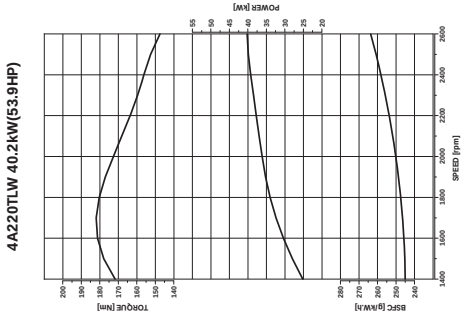
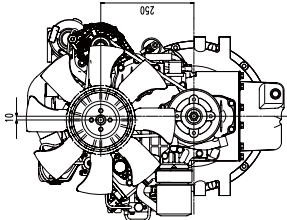
Model	4A220(T)	
Emission Level	Stage3A, Tier4 Interim	
Engine Type	4-Cycle, In-line, Diesel, Water cooled	
Cylinders	4-Cylinder	
Bore x Stroke	mm	Ø87 × 92.4
Displacement	Liter	2.197
Aspiration	Natural Aspiration	Turbocharged
Aftertreatment	-	
Rated Power	kW/hp/rpm	33.7 / 45.2 / 2600 40.2 / 53.9 / 2600
Max. Torque	Nm/rpm	142.3 / 1700 182.6 / 1700
Combustor Type	In-Direct Injection(Swirl Chamber)	
Governor Type	Mechanical Centrifugal	
Dimension (L x W x H)	mm	772.6 × 545.5 × 692
Dry Weight	Kg	207 (with Fan) 210 (with Fan)
Flywheel housing	SAE No.4	



Dimension



Performance



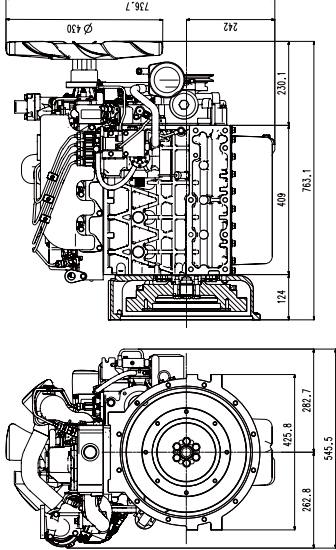
4B243(T) ENGINE



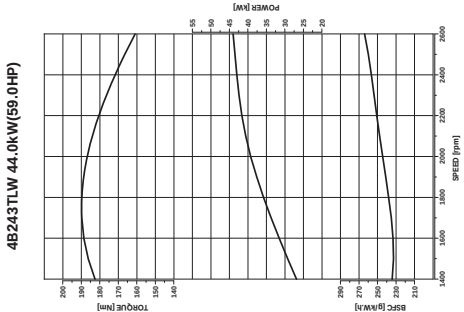
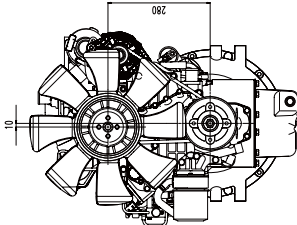
Model	4B243 (T)		
Emission Level	Stage3A, Tier4 Interim		
Engine Type	4-Cycle, In-line, Diesel, Water cooled		
Cylinders	4-Cylinder		
Bore x Stroke	mm	Ø87 × 102.4	
Displacement	Liter	2.435	
Aspiration	Natural Aspiration		Turbocharged
Aftertreatment	-		
Rated Power	kW/hp/rpm	36.5 / 48.9 / 2600	44.0 / 59.0 / 2600
Max Torque	Nm/rpm	156.8 / 1700	190.2 / 1800
Combustor Type	In-Direct Injection(Swirl Chamber)		
Governor Type	Mechanical Centrifugal		
Dimension (L x W x H)	mm	763.1 × 545.5 × 736.7	
Dry Weight	Kg	218 (with Fan)	223 (with Fan)
Flywheel housing	SAE No.4		



Dimension



Performance



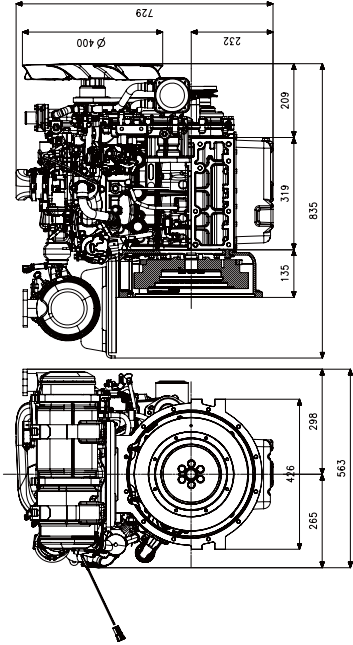
3H183(T) ENGINE



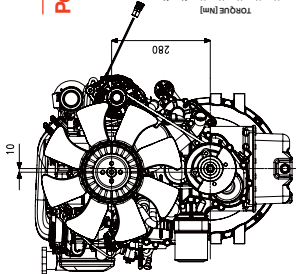
Model	3H183(T)
Emission Level	Stage5, Tier4 Final
Engine Type	4-Cycle, In-line, Diesel, Water cooled
Cylinders	3-Cylinder
Bore x Stroke	mm Ø87 × 102.4
Displacement	Liter 1.826
Aspiration	Natural Aspiration
Aftertreatment	Turbo charged CCRT(DOC+DPF) & Cooled EGR
Rated Power	kw/hp/rpm 26/34.9 / 29.5/39.6 / 33.5/44.9 / 37.5/50.3 / 41/55 / 2600
Max. Torque	Nm/rpm 115/1800 118/1800 148/1700 166/1700 181/1700
Combustor Type	Common Rail Direct Injection(CRDI)
Governor Type	Electric Control (ECU)
Dimension (L x W x H)	mm 835 × 563 × 729
Dry Weight	Kg 255 (with Fan, Flywheel and housing, CCRT)
Flywheel housing	SAE No.4



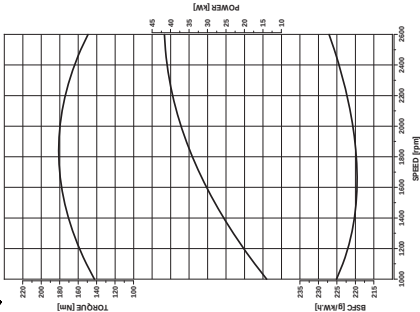
Dimension



Performance



3H183T 41.0kW(55.0HP)



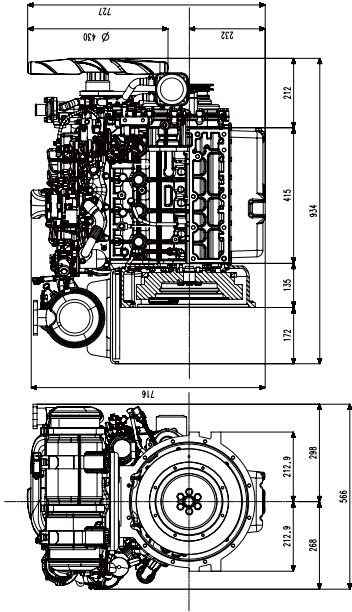
4H243T(I) ENGINE



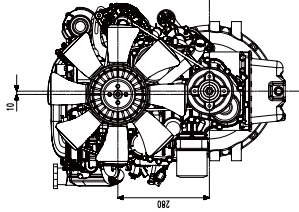
Model	4H243T(I)			
Emission Level	Stage5, Tier4 Final			
Engine Type	4-Cycle, In-line Diesel, Water Cooled			
Cylinders	4-Cylinder			
Bore x Stroke	mm	ø87 × 102.4		
Displacement	Liter	2.435		
Aspiration	Turbo charged		T/C + Intercooler	
Aftertreatment	CCRT(DOC+DPF) & Cooled EGR			
Rated Power	kW/hp/rpm	45/60.3/ 2600	49.5/66.4/ 2400	54.9/73.6/ 2400
Max. Torque	Nm/rpm	210.0/1700	237.0/1700	240.5/1700
Combustor Type	Common Rail Direct Injection(CRDI)			
Governor Type	Electric Control (ECU)			
Dimension (L x W x H)	mm	934 × 566 × 727		
Dry Weight	Kg	255 (with Fan, Flywheel and housing, CCRT)		
Flywheel housing	SAE No.4			



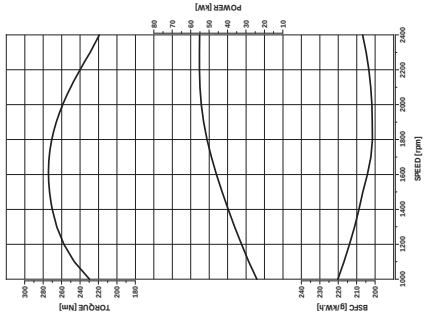
Dimension



Performance



4H243TI 54.9kW(73.6HP)



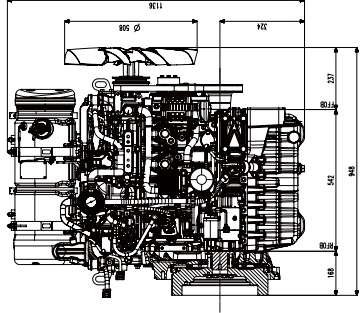
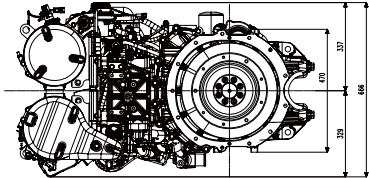
4J383TA ENGINE



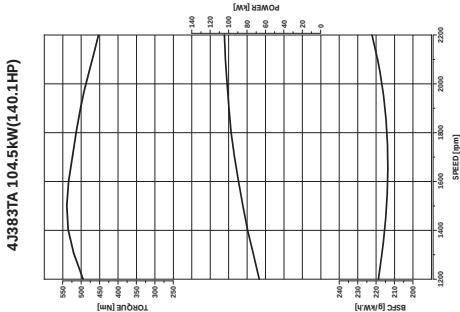
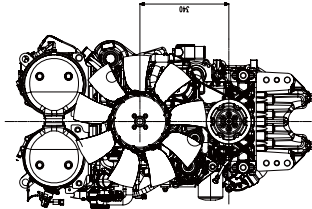
Model		4J383TA	
Emission Level		Stage5, Tier4 Final	
Engine Type		4-Cycle, 4-Valve, Diesel, Water cooled	
Cylinders		4-Cylinder	
Bore x Stroke	mm	Ø103×115	
Displacement	Liter	3.833	
Aspiration		Turbo Charged + Intercooler	
Aftertreatment		CCRT(DOC+DPF+SCR & Cooled EGR	
Rated Power	kW/hp/rpm	71/952/ 2200	78/104.6/ 2200
Max. Torque	Nm/rpm	402/1400	442/1400
Combustor Type		Common Rail Direct Injection(CRDI)	
Governor Type		Electric Control (ECU)	
Dimension (L x W x H)	mm	948 × 666 × 1136	
Dry Weight	Kg	522 with SCR, Fan, Flywheel and Housing)	
Flywheel housing		TBD	



Dimension



Performance





HEAD OFFICE & FACTORY

35, Nongong Jungang-ro 34-gil, Nongong-eup, Dalseong-gun, Daegu, Korea

SEOUL OFFICE 2493, Nambusunhwan-ro, Seocho-gu, Seoul, Korea