

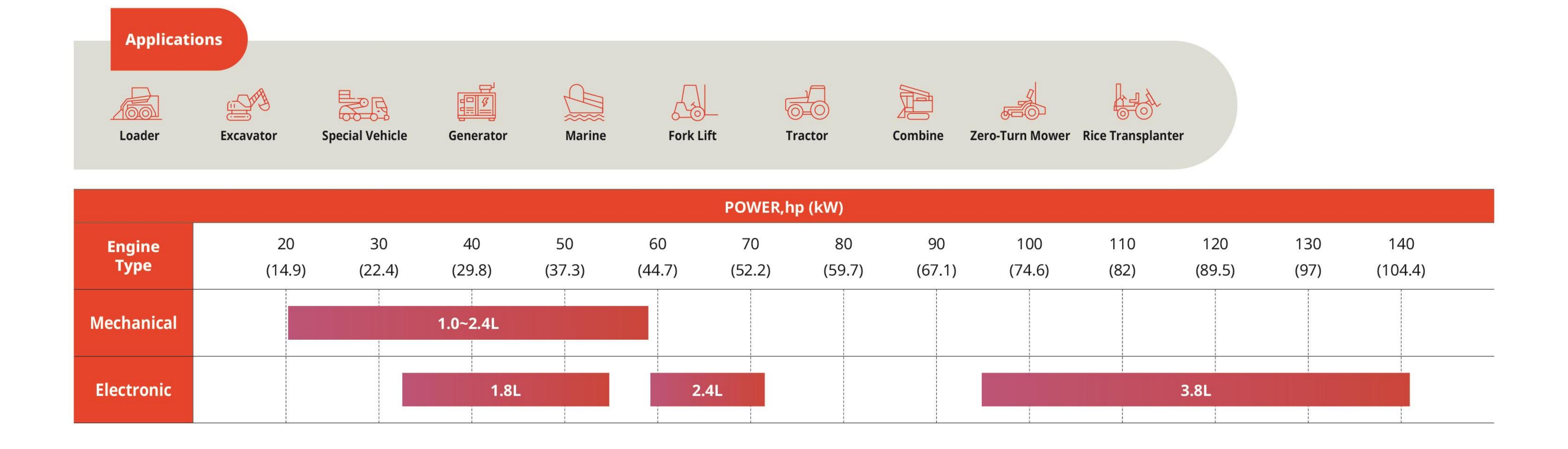
ENGINE SERIES INTRODUCTION

"World-Class KIOTI Diesel Engine Series"

KIOTI is the brand name of Daedong Corporation, established in 1947. Since then, Daedong has led the mechanization of Korea by equipping agricultural products like tractors and harvesters with KIOTI diesel engines. Through continuous research and development, Daedong continues to supply world-class KIOTI diesel engines that meet EPA/CARB and ECU regulations. These durable, high-quality engines are suitable for a wide range of machines.

"Your Engine, Unlimited Possibilities"

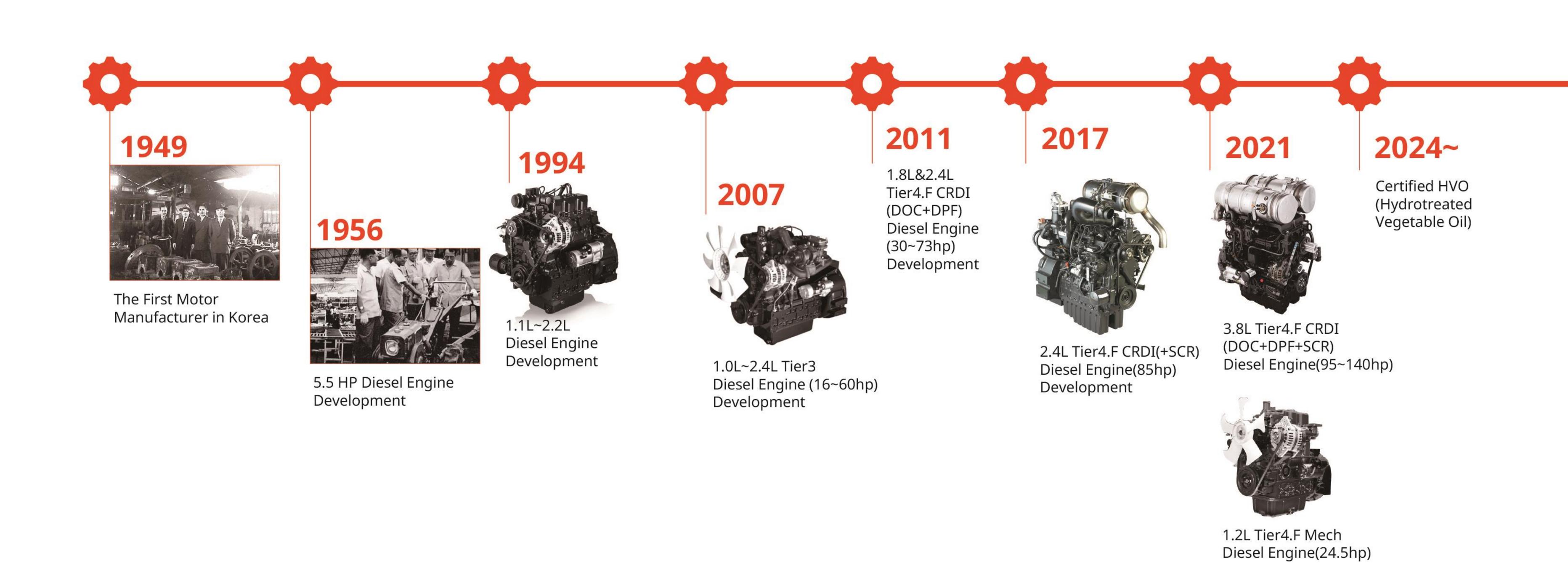
A good engine must be capable of performing its role in any machine. The KIOTI multi-cylinder engine is optimized for industrial heavy-duty equipment, offering a high power-to-weight ratio and excellent durability. It has earned certifications for emission standards across continents (Tier 4 Final / Stage V). Additionally, with a high level of component standardization and a wide range of optional parts, it is adaptable to various industrial equipment, making it suitable for agricultural machinery like tractors, combines, and rice planters, as well as construction equipment, firefighting equipment, generators, and small vessels.



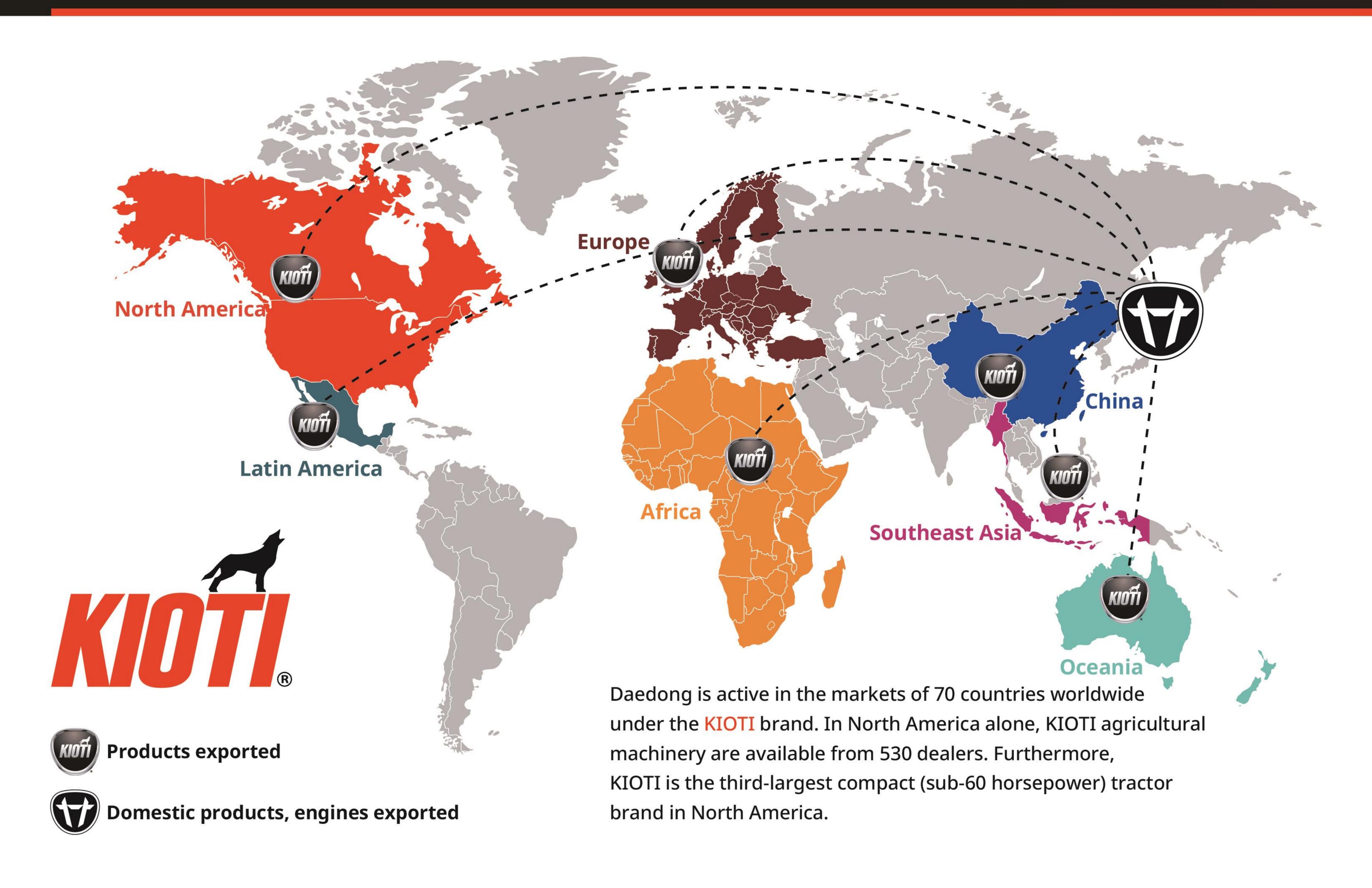
"Drive Green, Drive Efficiently: Power Your Diesel Engine with HVO Fuel!"

Our commitment to the environment has created the most eco-friendly engine.

KIOTI engines are designed to help both current and future customers live in a healthier, cleaner world by developing engines with low emissions, reduced noise, and minimal vibration. KIOTI engines fully comply with global environmental regulations, including North America's Tier 4 Final and Europe's Stage V standards, making them suitable for use anywhere in the world. KIOTI engines can be switched to HVO fuel and transformed the way you drive. With up to 90% less CO₂ emissions, reduced pollutants, and improved fuel efficiency, HVO fuel offers a cleaner, more sustainable future for your diesel engine.



GLOBAL NETWORK



ENGINE LINEUP

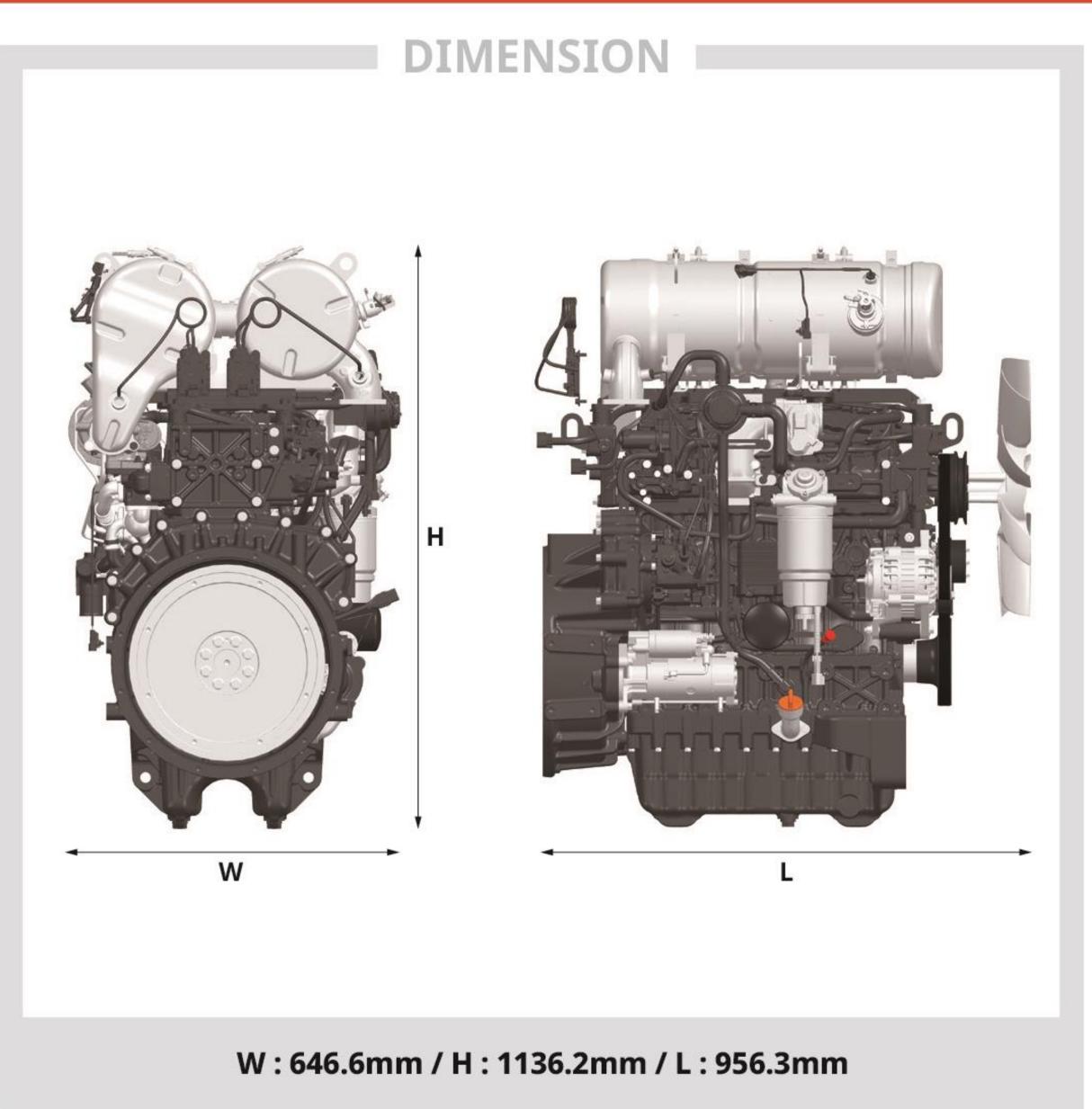


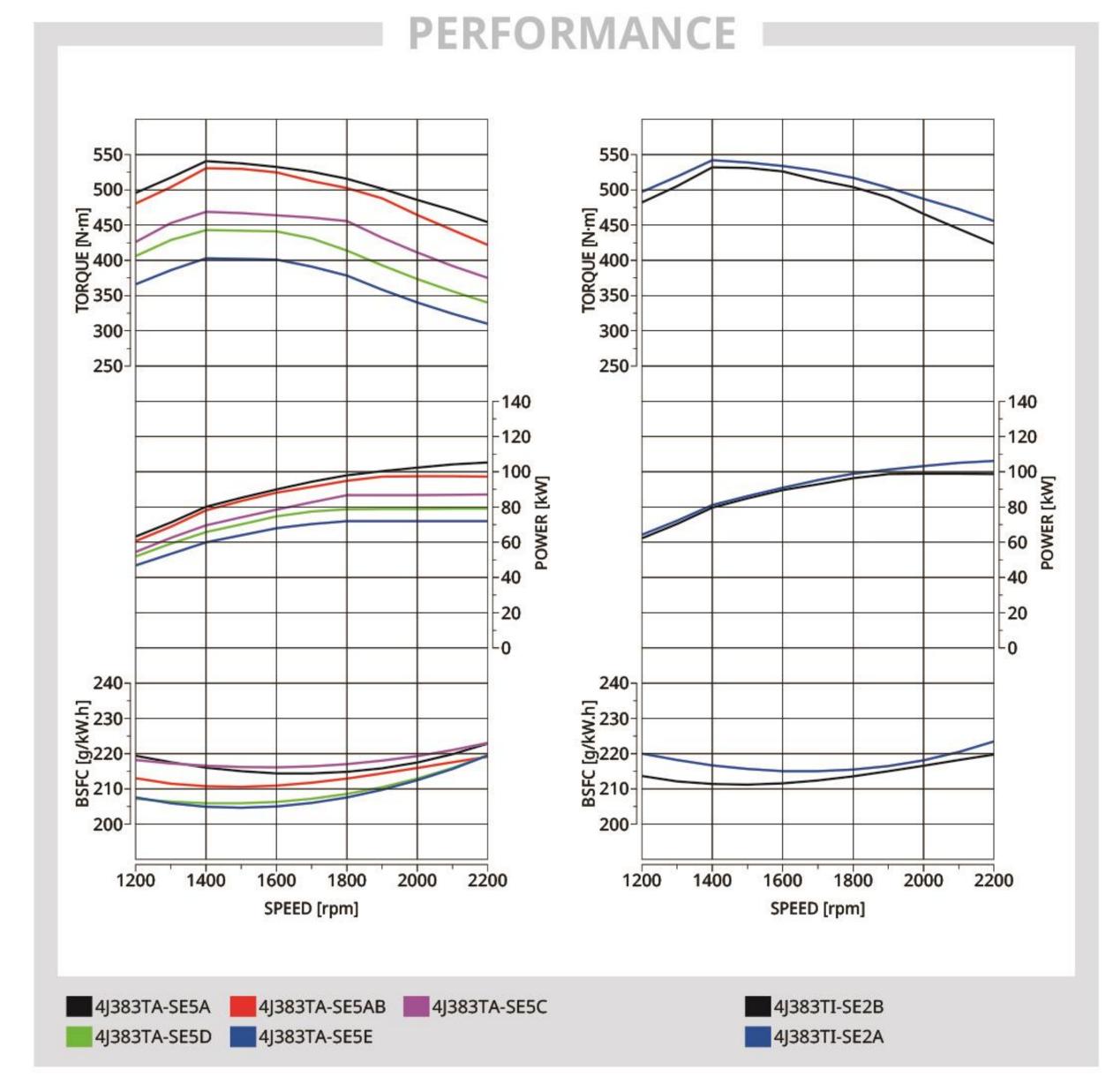
ENGINE OUTPUT RANGE



Industrial Engine 4J383TA(TI)



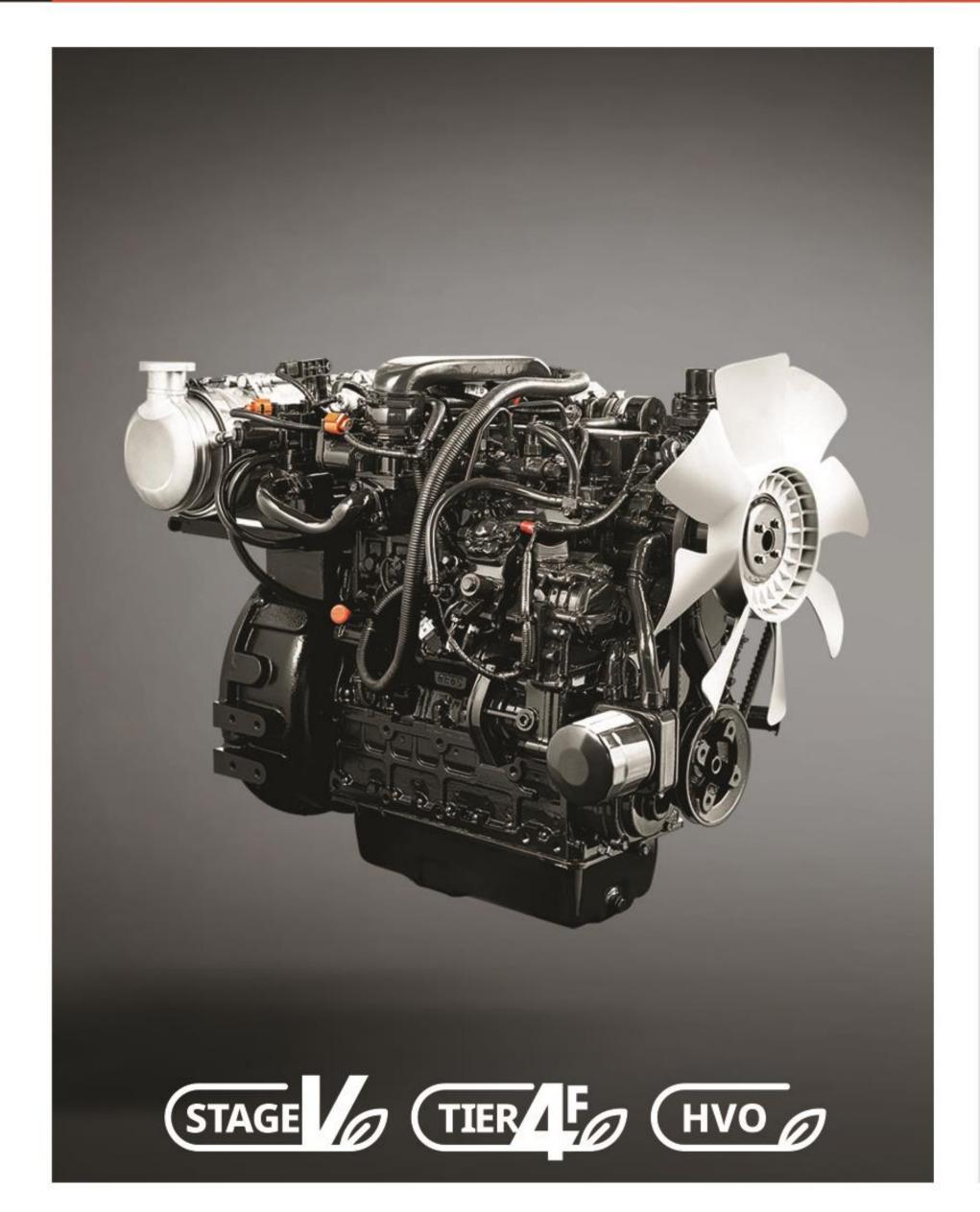


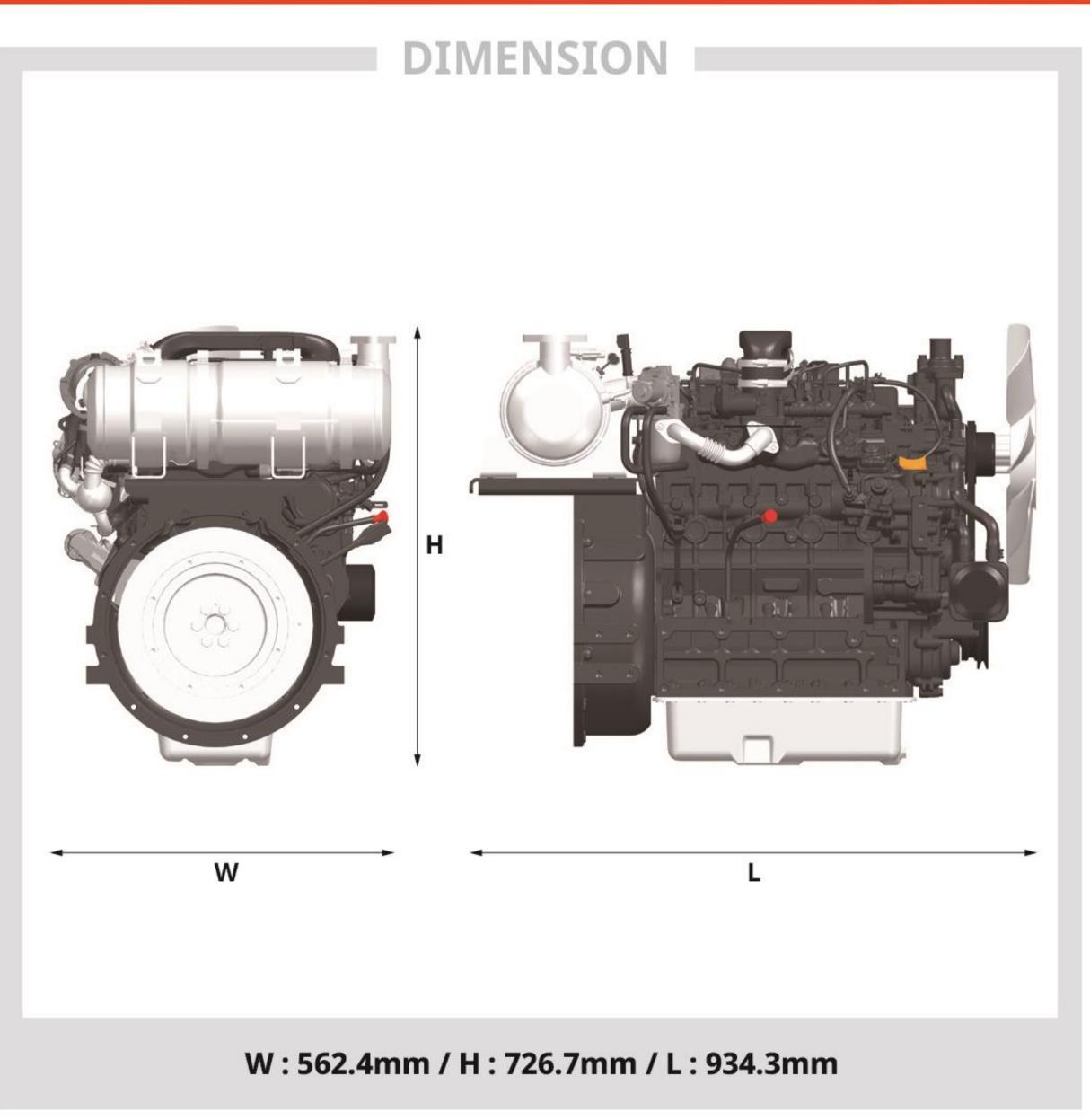


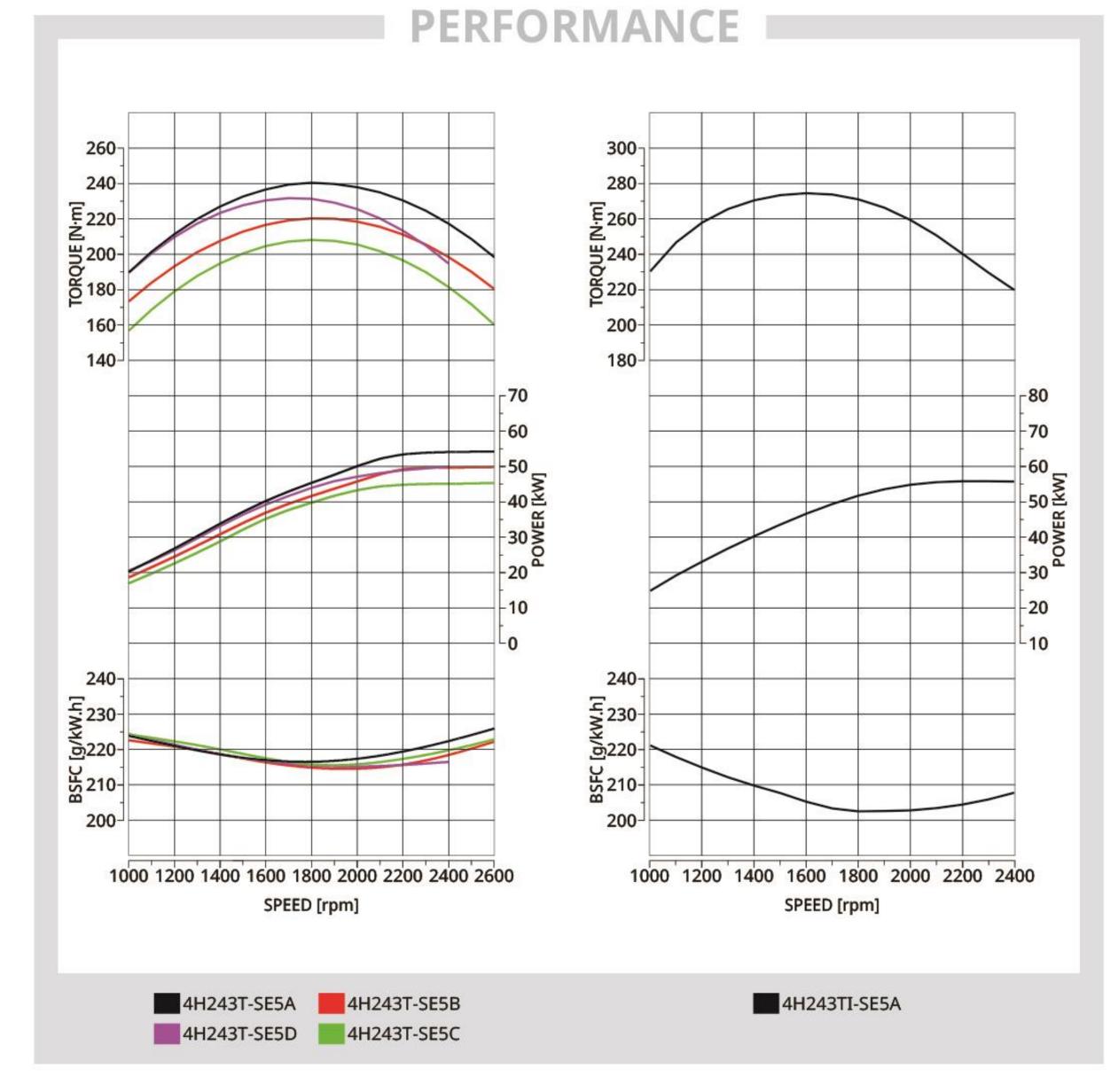
Engine Mode	el			4J383TA			4J38	B3TI			
Items	Unit	4J383TA-SE5A	4J383TA-SE5B	4J383TI-SE2A	4J383TI-SE2B						
Rated Power	kW/hp/rpm	104.5kW/140hp/2200rpm	97.0kW/130hp/2200rpm	86.0kW/115.3hp/2200rpm	78.0kW/104hp/2200rpm	71.0kW/95hp/2200rpm	104.5kW/140hp/2200rpm	97.0kW/130hp/2200rpm			
Max. Torque	N·m/rpm	540.0N·m/1400rpm	530.0N·m/1400rpm	540.0N·m/1400rpm	530.0N·m/1400rpm						
Emission Level			EPA	VCARB Tier4 Final, EU Sta	geV		Non-Er	mission			
Engine Type				4-Cyc	le, 4Valve, Diesel, Water-o	cooled					
Cylinders			4-Cylinder								
Bore x Stroke	mm		Ø103×115mm								
Displacement	L				3.833L						
Aspiration				T	urbocharged + Intercoole	er					
Aftertreatment				DOC, DPF, SCR			DO	OC .			
Combustor Type				Comr	non Rail Direct Injection (CRDI)					
Governor Type					Electric Control (ECU)						
Dimension (W x H x L)	mm		646.6 x 1136.2 x 956.3mm								
Dry Weight	kg		522kg (with Aftertreatment, Fan, Flywheel and Housing) 495kg (with Aftertreatment, Fan, Flywheel and Housi								
Flywheel / Flywheel housing					SAE11-1/2" / SAE #3						

Industrial Engine 4H243T(I)



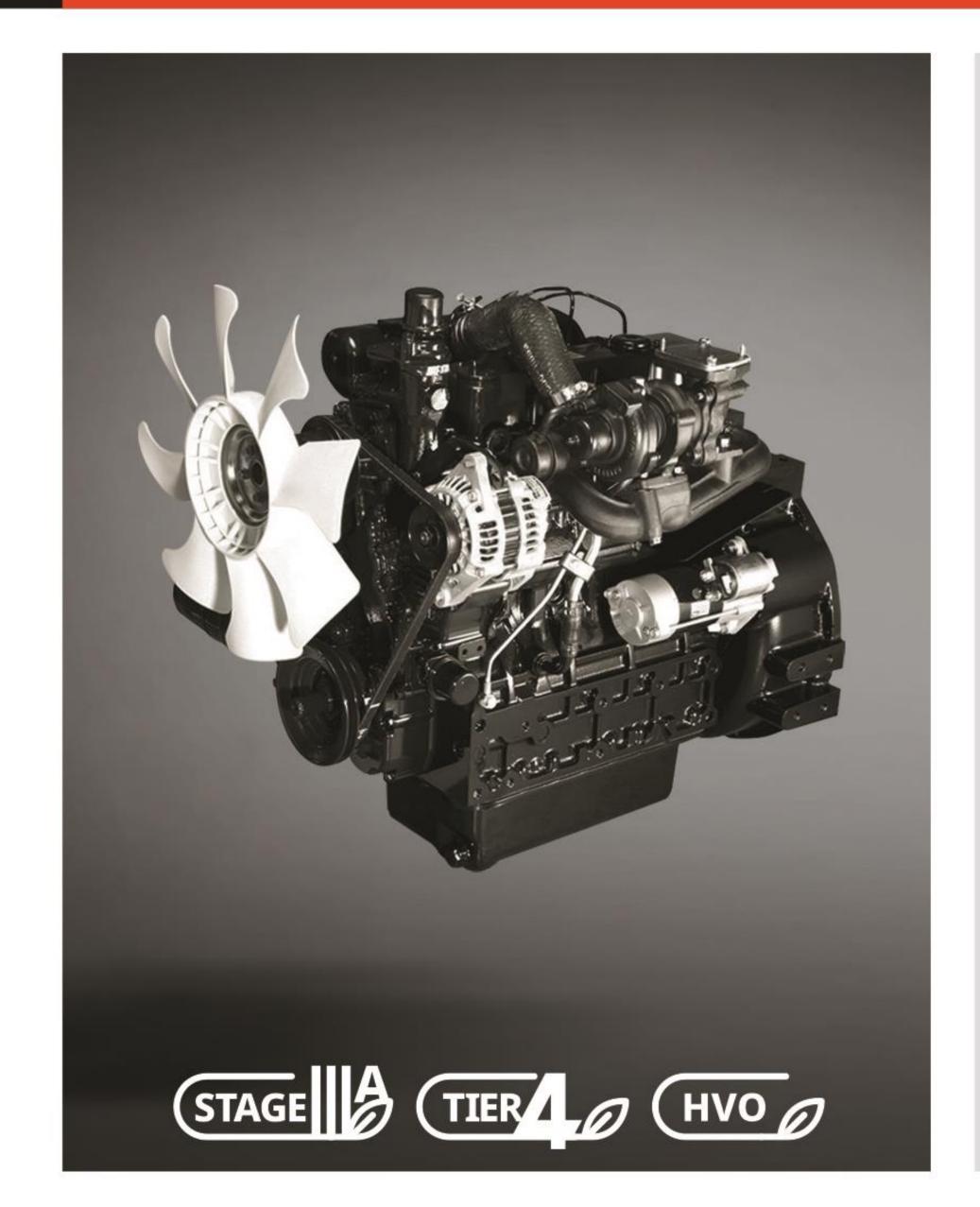


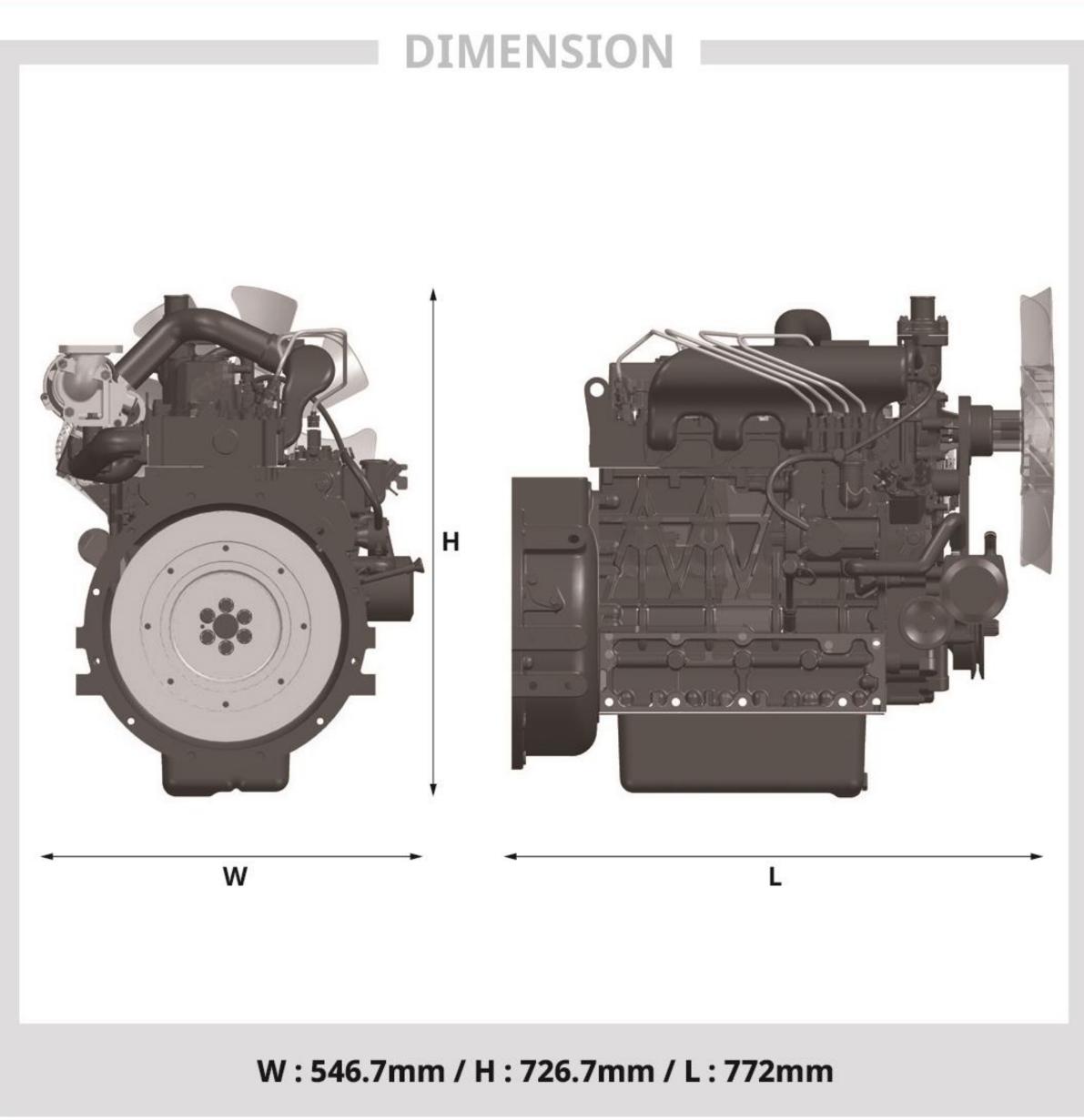


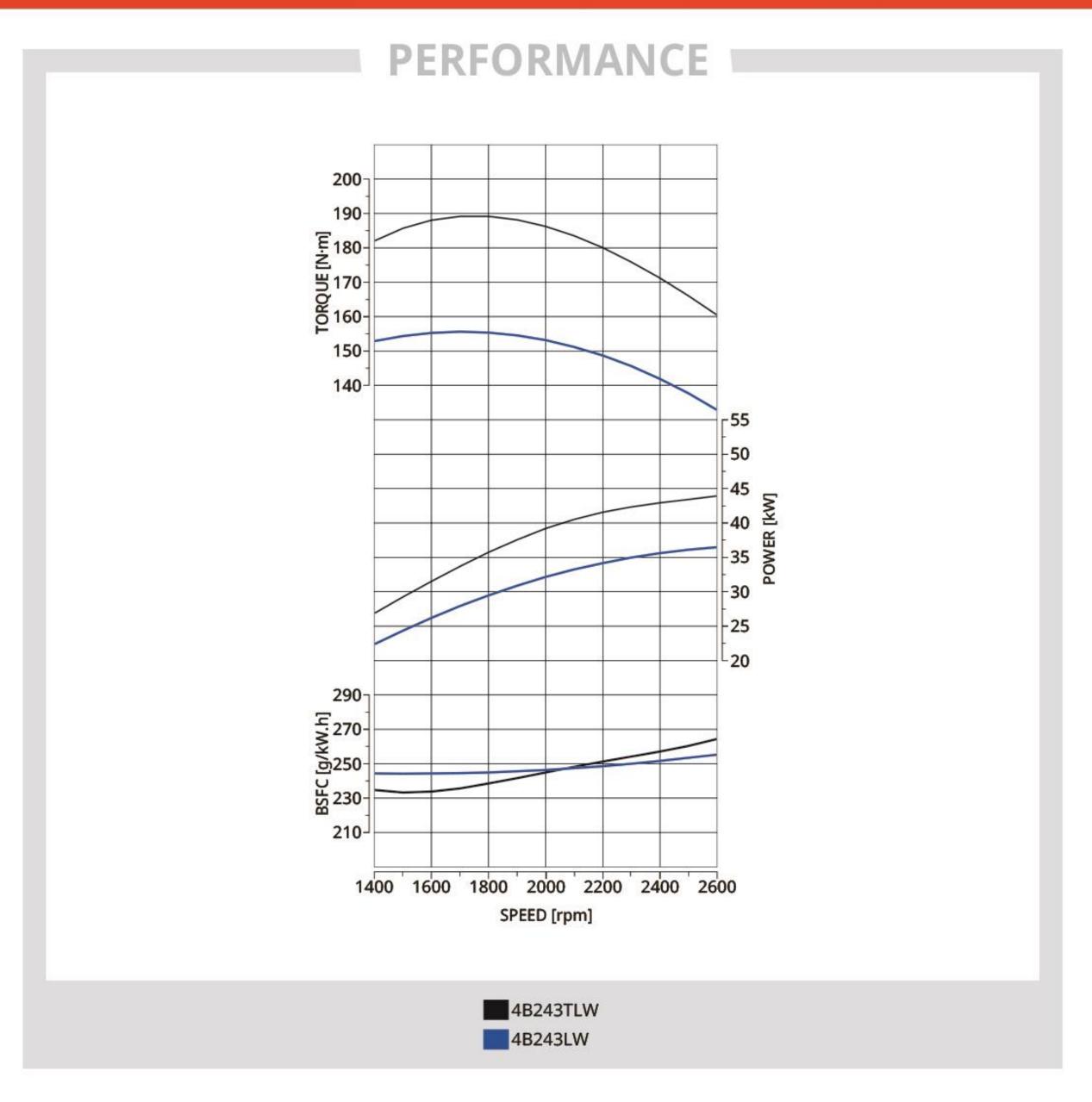


Engine Mode	<u>-</u>		4H243(T)			4H243TI				
Items	Unit	4H243T-SE5A								
Rated Power	kW/hp/rpm	54.5kW/73hp/2600rpm	49.5kW/66.3hp/2600rpm	45.0kW/60.3hp/2600rpm	49.5kW/66.3hp/2400rpm	54.9kW/73.6hp/2400rpm				
Max. Torque	N·m/rpm	240.5N·m/1700rpm	220.0N·m/1700rpm	210.0N·m/1700rpm	237.0N·m/1700rpm	274.0N·m/1500rpm				
Emission Level			EPA/CARB Tier4 Final, EU StageV							
Engine Type			4-Cycle, In-line Diesel, Warter-Cooled							
Cylinders			4-Cylinder							
Bore x Stroke	mm		ø87 X 102.4mm							
Displacement	L			2.435L						
Aspiration			Turbocharge	r (Wastegate)		Turbocharged + Intercooler				
Aftertreatment				DOC, DPF						
Combustor Type				Common Rail Direct Injection (CRDI)						
Governor Type				Electric Control (ECU)						
Dimension (W x H x L)	mm		562.4 X 726.7 X 934.3mm							
Dry Weight	kg		284kg (wit	h Aftertreatment, Fan, Flywheel and	l Housing)					
Flywheel / Flywheel housing				SAE 7-1/2" / SAE #4						

Industrial Engine 4B243(T)



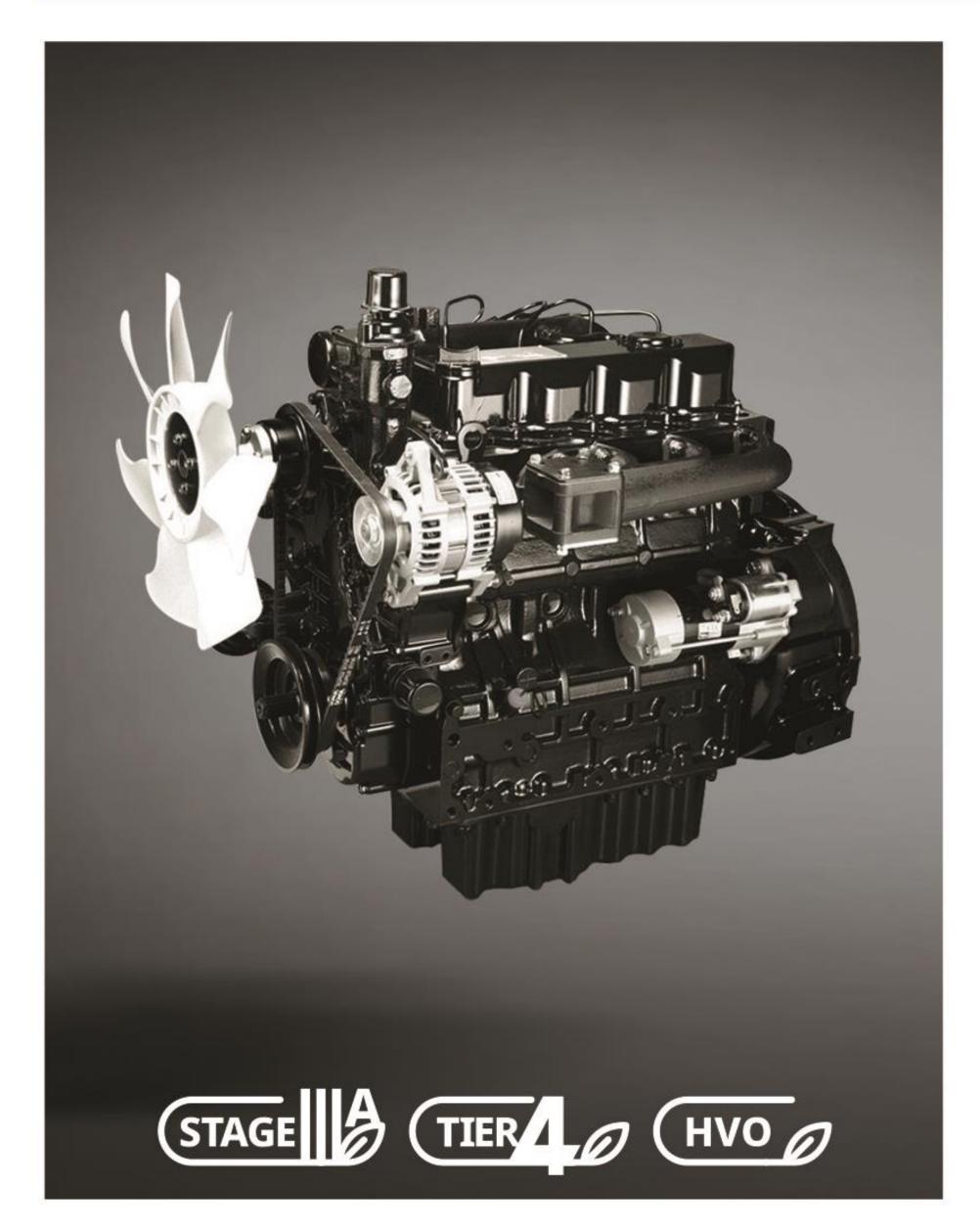


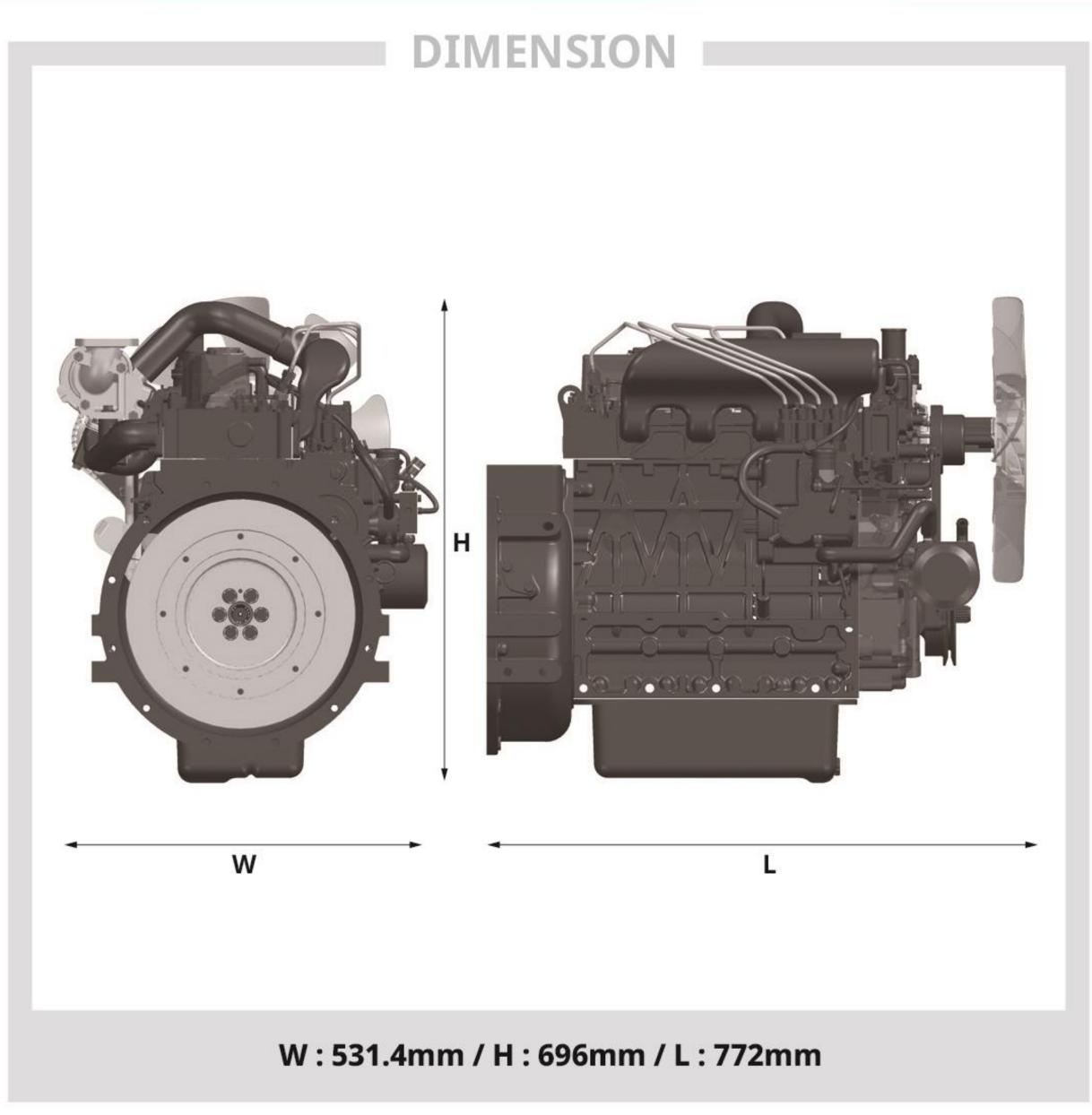


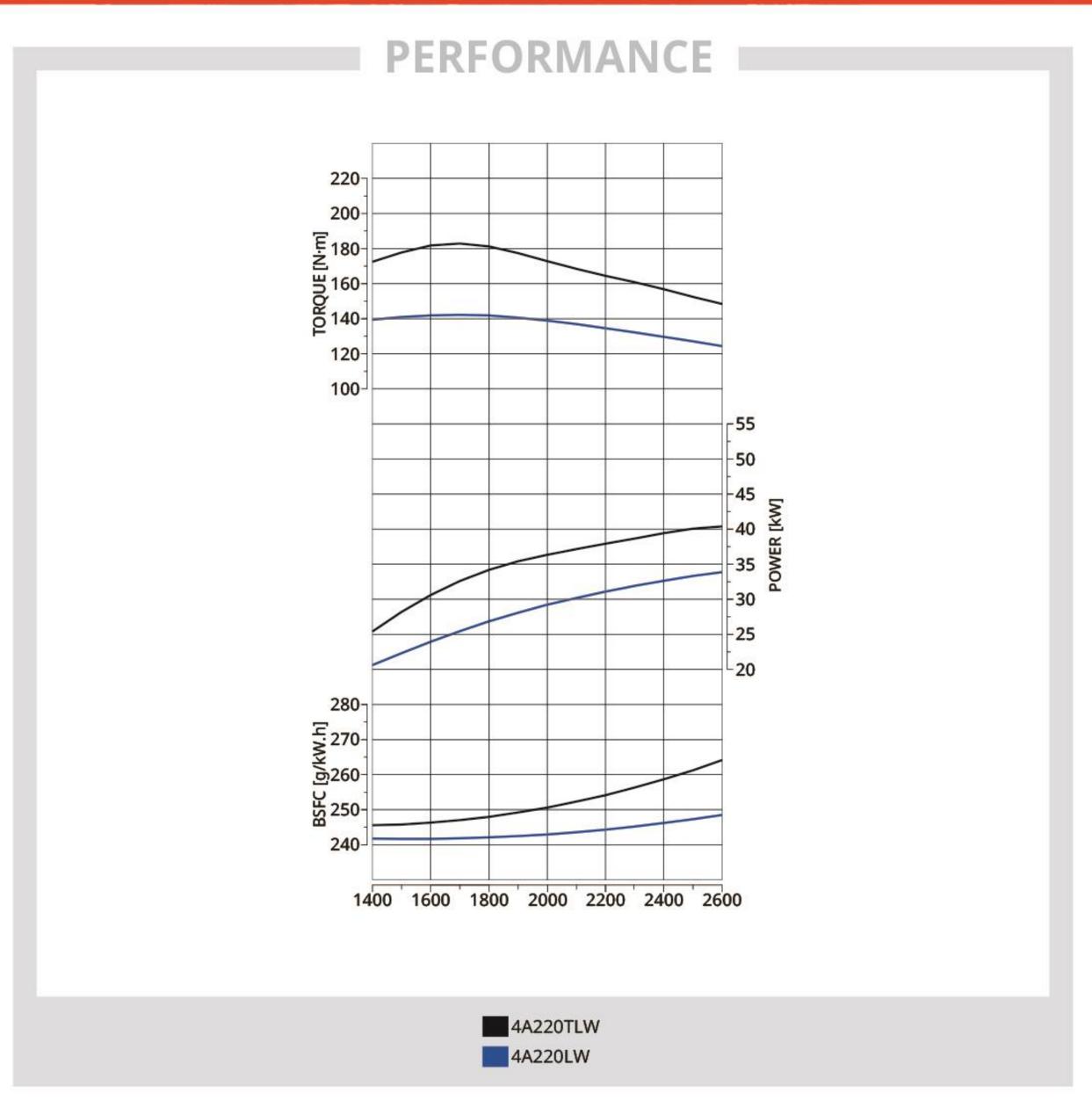
Engine Mod	el	4B2	243(T)
Items	Unit	4B243LW	4B243TLW
Rated Power	kW/hp/rpm	36.5kW/48.9hp/2600rpm	44.0kW/59.0hp/2600rpm
Max. Torque	N·m/rpm	156.8N·m/1700rpm	190.2N·m/1700rpm
Emission Level		EPA Interim Tio	er4, EU Stage3A
Engine Type		4-Cycle, In-line, D	Diesel, Water-cooled
Cylinders		4-Cy	ylinder
Bore x Stroke	mm	Ø87 x 1	102.4mm
Displacement	L	2.4	435L
Aspiration		Naturally Aspirated	Turbocharged
Aftertreatment			
Combustor Type		In-Direct Injection	on (Swirl Chamber)
Governor Type		Mechanic	al Governor
Dimension (W x H x L)	mm	546.7 x 726	6.7 x 772mm
Dry Weight	kg	218kg (with Fan)	223kg (with Fan)
Flywheel housing		SA	E #4

Industrial Engine 4AA220(T)



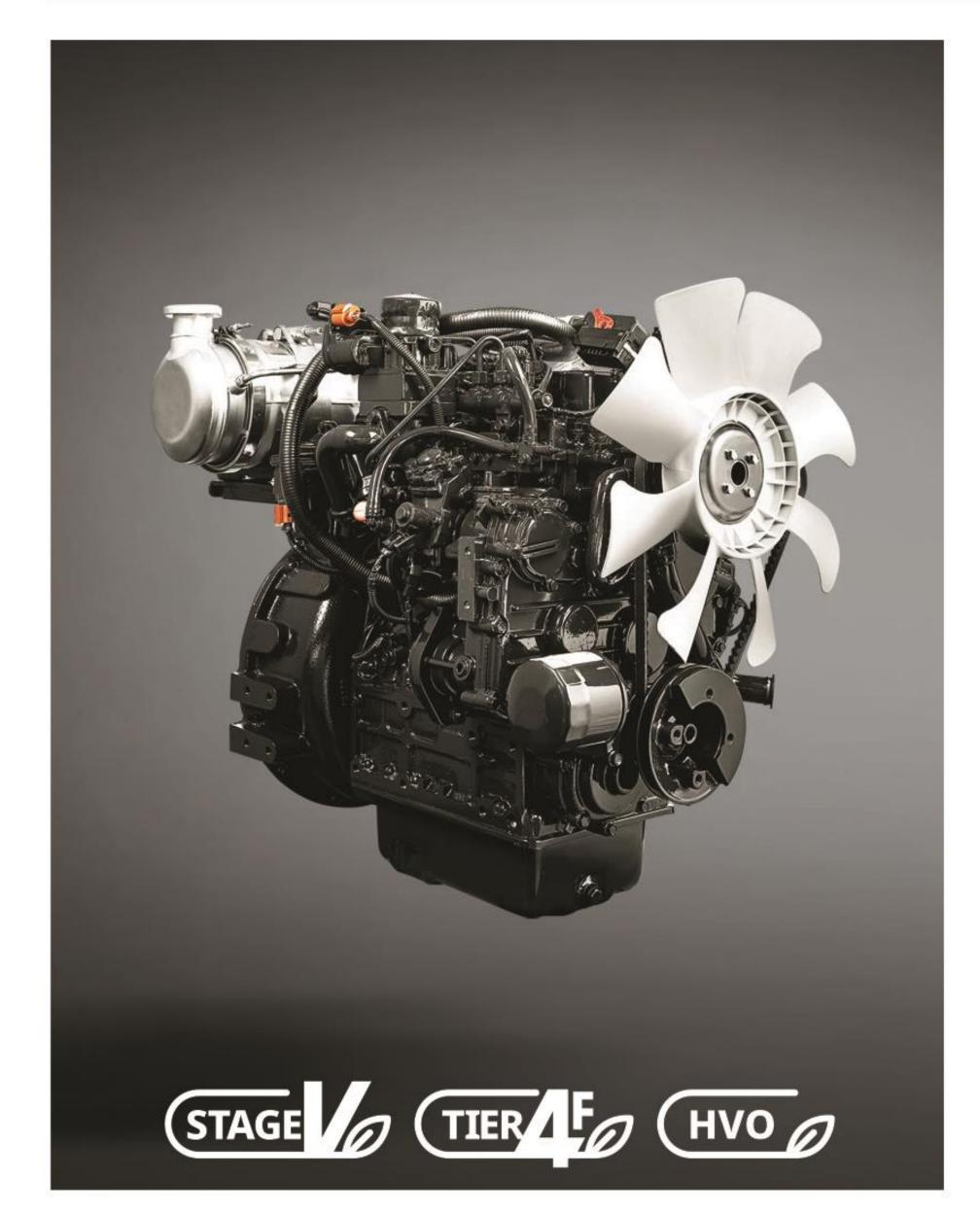


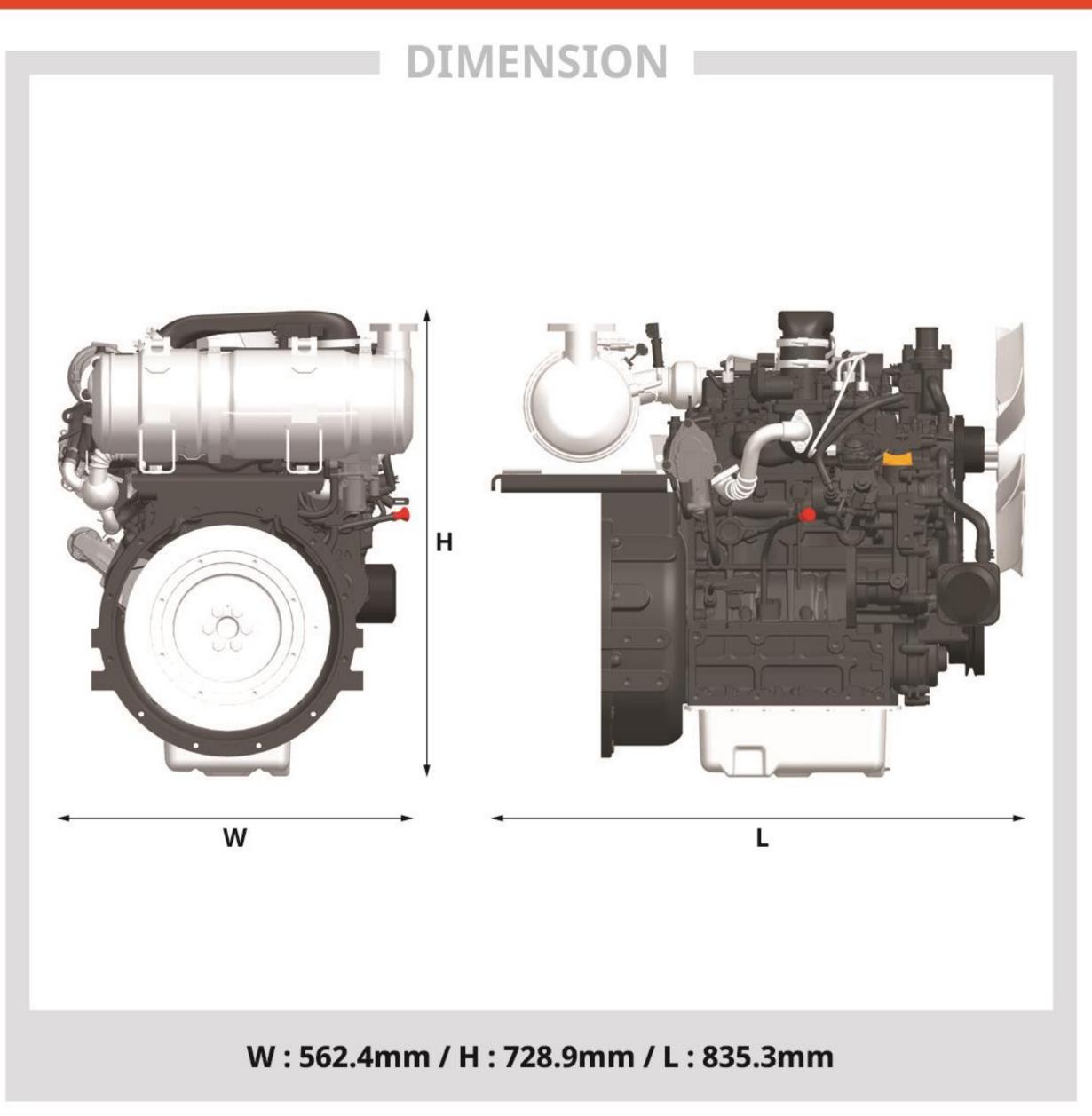


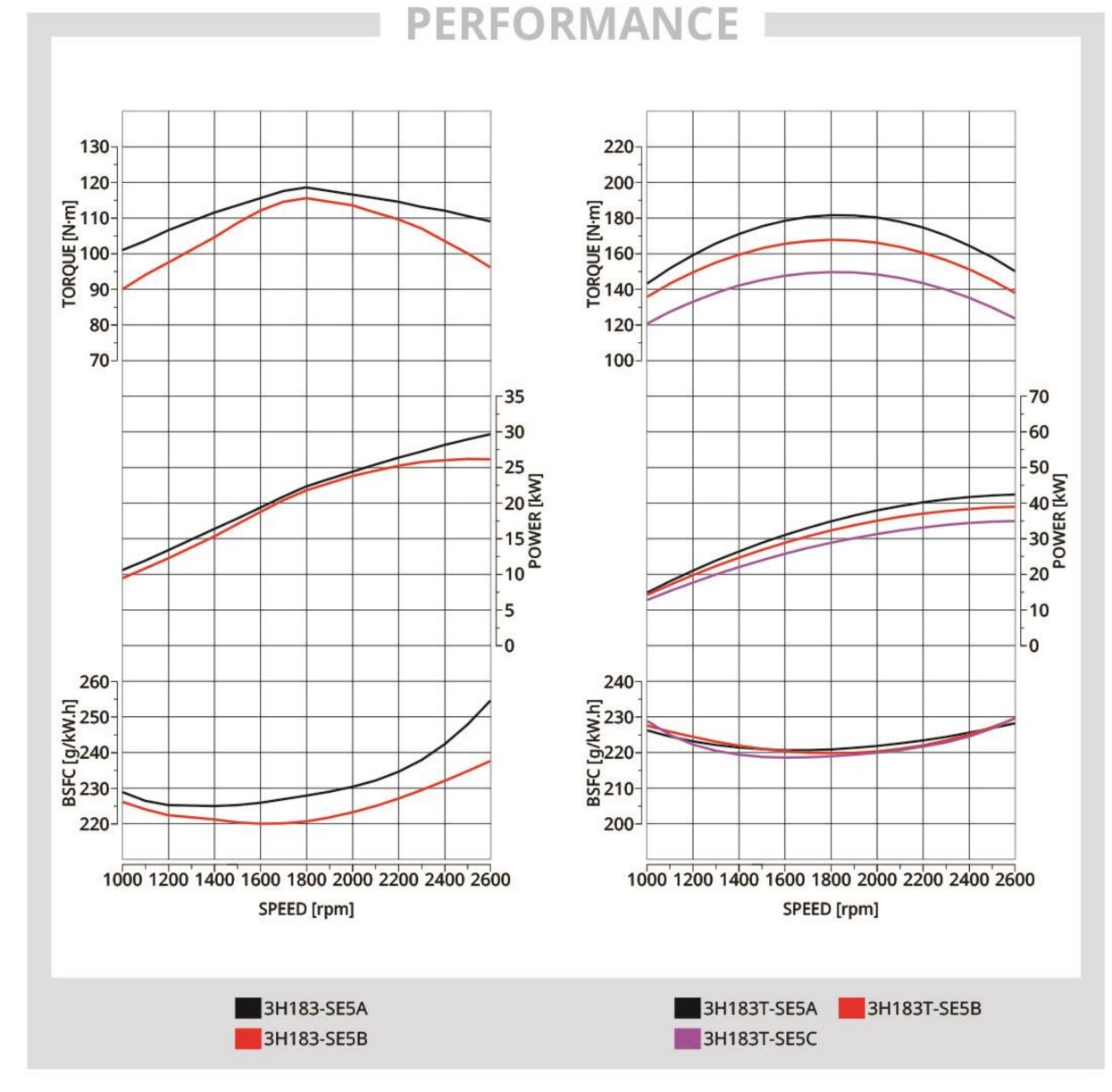


Engine Mod	del	4A2	220(T)				
Items	Unit	4A220LW	4A220TLW				
Rated Power	kW/hp/rpm	33.7kW/45.2hp/2600rpm	40.2kW/53.9hp/2600rpm				
Max. Torque	N·m/rpm	142.3N·m/1700rpm	182.6N·m/1700rpm				
Emission Level		EPA Interim Ti	ier4, EU Stage3A				
Engine Type		4-Cycle, In-line, D	Diesel, Water-cooled				
Cylinders		4-Cy	ylinder				
Bore x Stroke	mm	Ø87 x	92.4mm				
Displacement	L	2.	197L				
Aspiration		Naturally Aspirated	Turbocharged				
Aftertreatment							
Combustor Type		In-Direct Injection	on (Swirl Chamber)				
Governor Type		Mechanic	al Governor				
Dimension (W x H x L)	mm	531.4 x 69	96 x 772mm				
Dry Weight	kg	207kg (with Fan)					
Flywheel housing		SA	NE #4				

Industrial Engine 3H183(T)

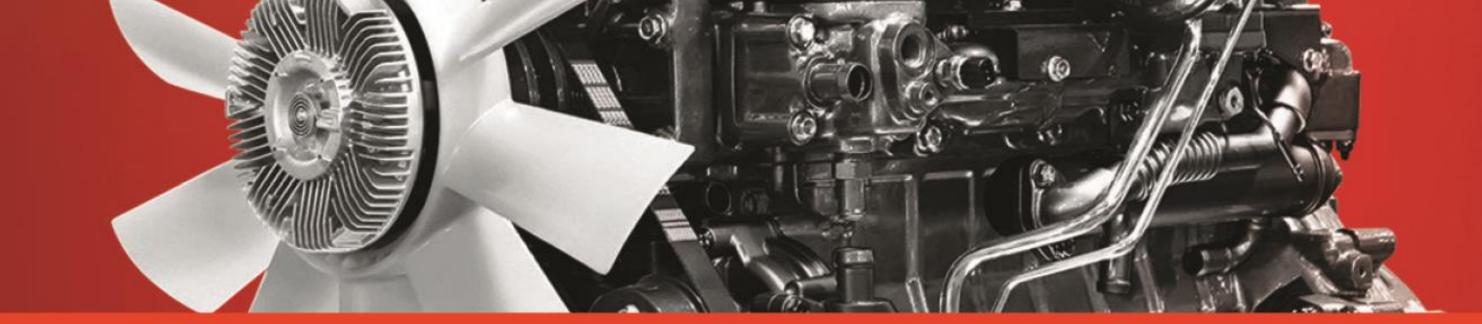


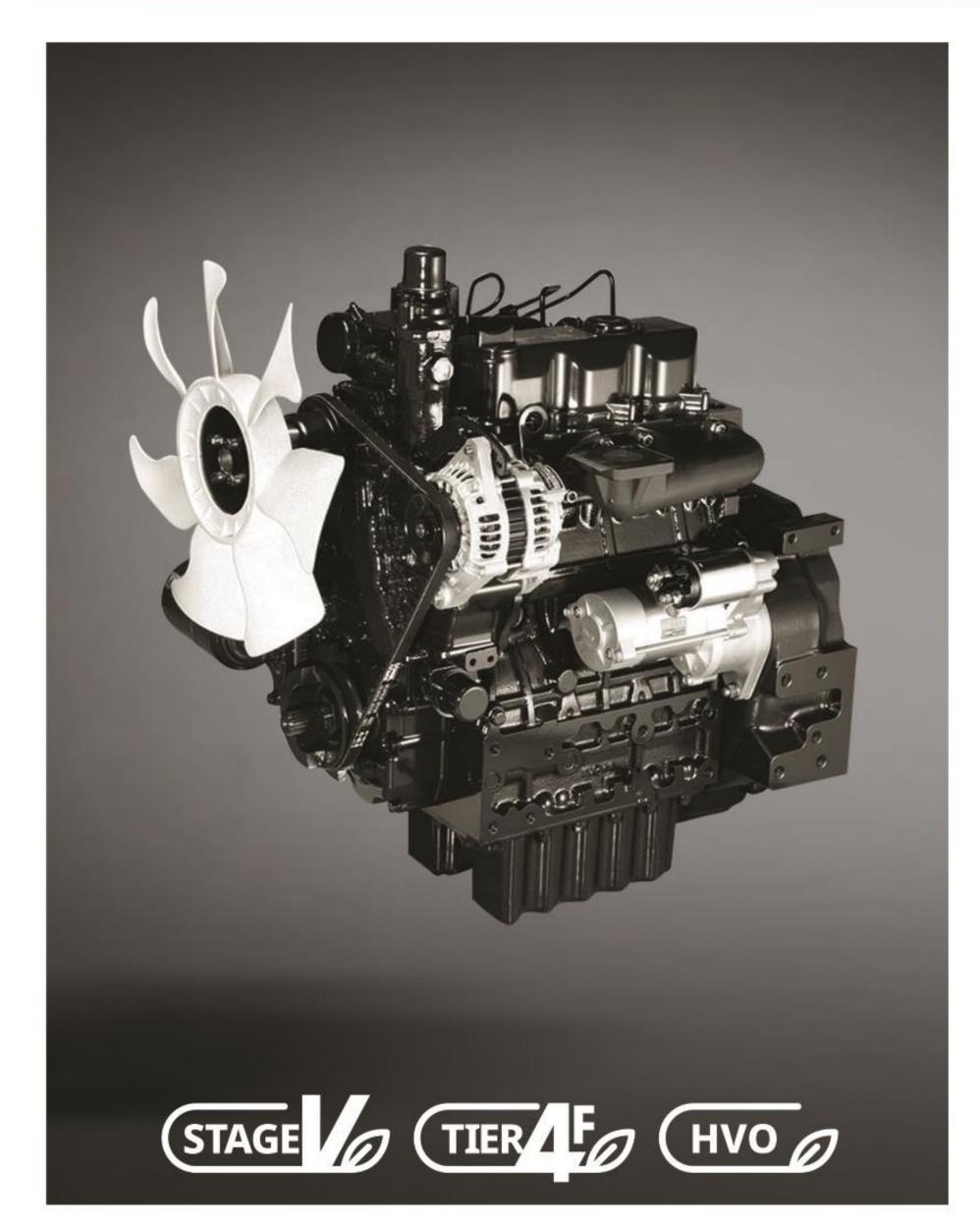


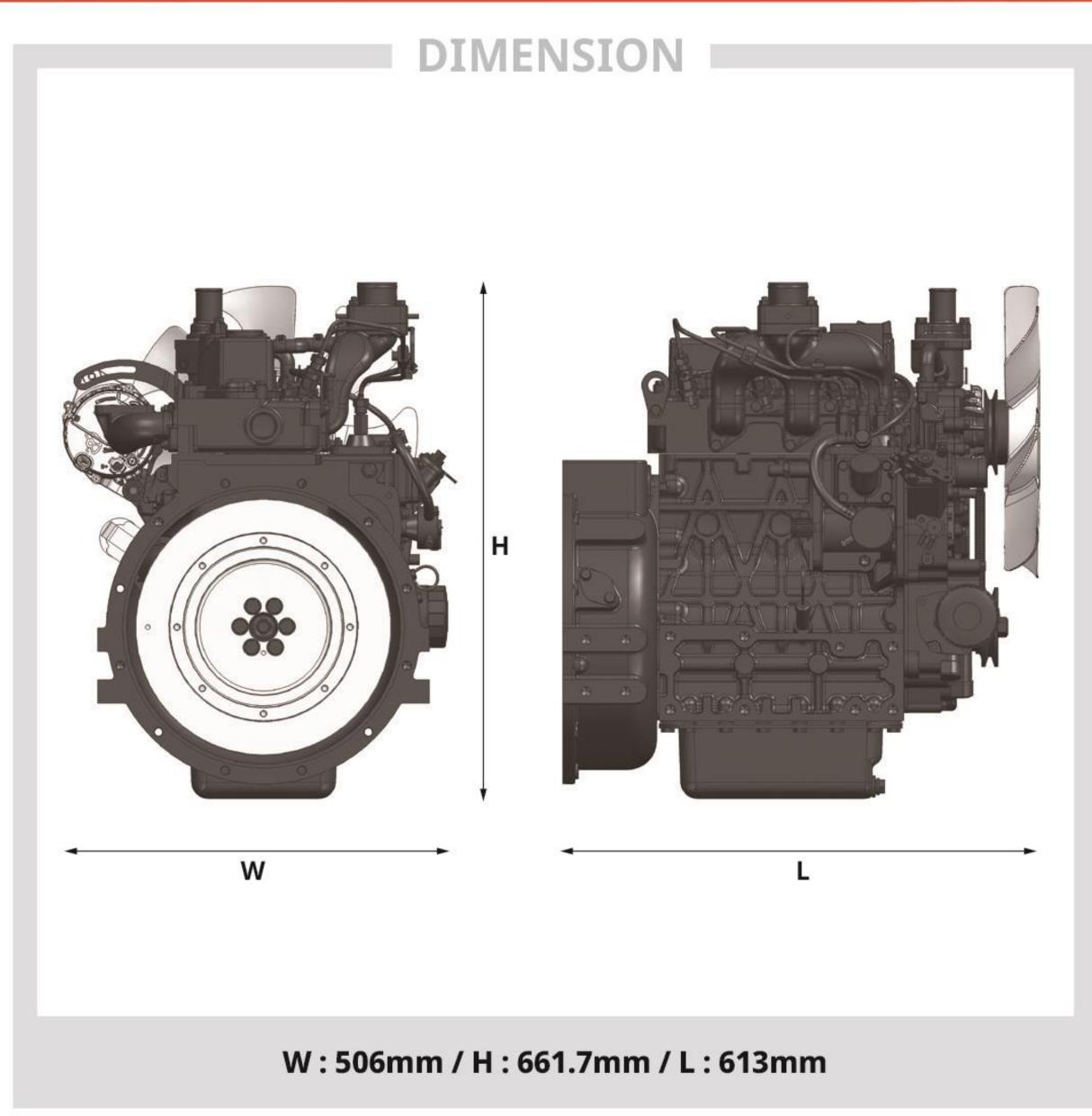


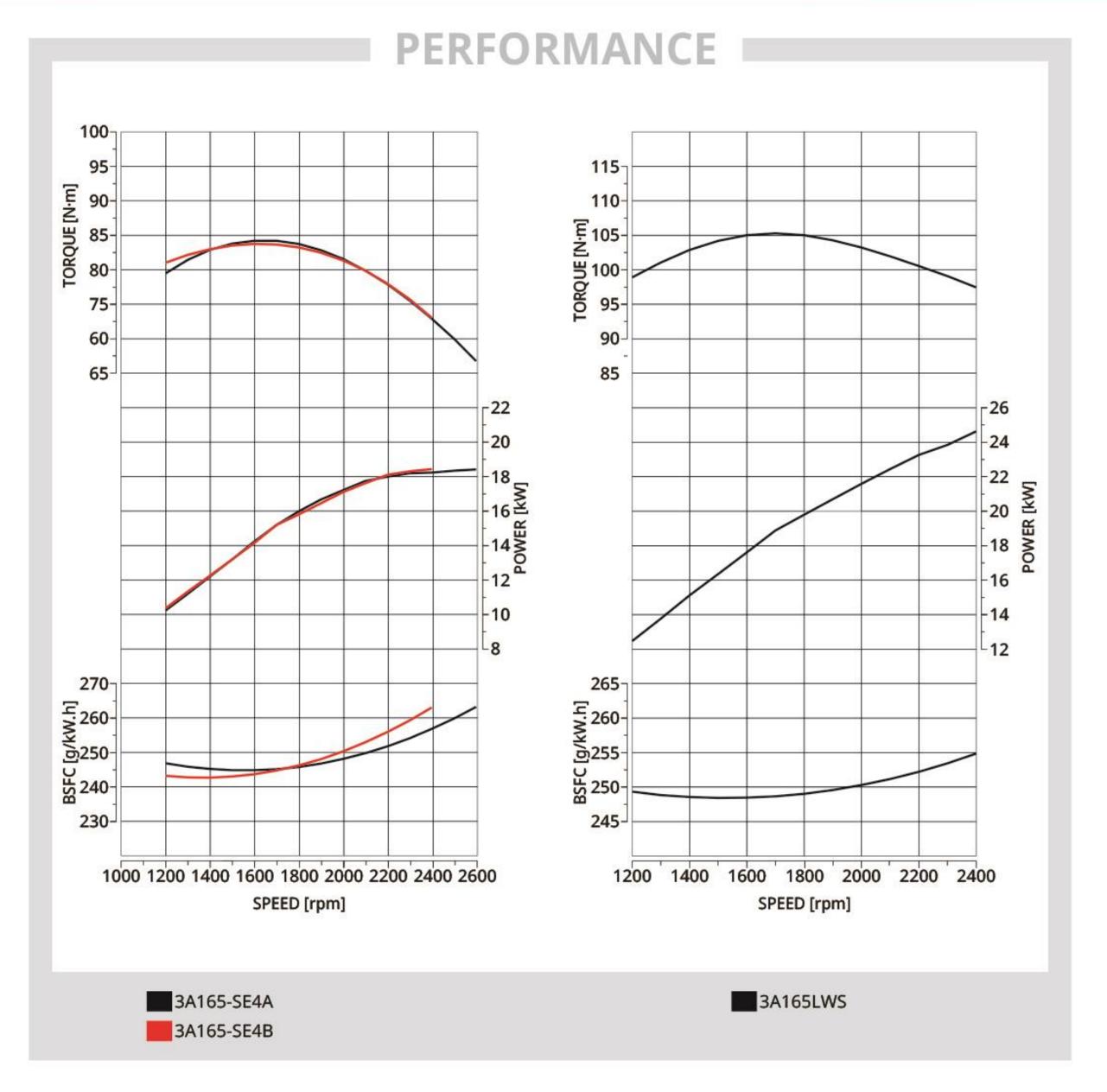
Engine Mode	1	3H	183		3H183T					
Items	Unit	3H183-SE5A	3H183-SE5B	3H183T-SE5A	3H183T-SE5B	3H183T-SE5C				
Rated Power	kW/hp/rpm	29.5kW/39.5hp/2600rpm	26.0kW/34.8hp/2600rpm	41.0kW/55hp/2600rpm	37.5kW/50.3hp/2600rpm	33.5kW/44.9hp/2600rpm				
Max. Torque	N·m/rpm	118.0N·m/1800rpm	115.0N·m/1800rpm	181.0N·m/1700rpm	166.0N·m/1700rpm	148.0N·m/1700rpm				
Emission Level			EPA/CARB Tier4 Final, EU StageV							
Engine Type			4-Cycle, In-line, Diesel, Water-cooled							
Cylinders			3-Cylinder							
Bore x Stroke	mm		Ø87 x 102.4mm							
Displacement	L			1.826L						
Aspiration		Naturally	aspirated		Turbocharger (Wastegate)					
Aftertreatment				DOC, DPF						
Combustor Type				In-Direct Injection (Swirl Chamber)						
Governor Type				Mechanical Governor						
Dimension (W x H x L)	mm		562.4 × 728.9 × 835.3mm							
Dry Weight	kg	249kg (Dry, After	249kg (Dry, Aftertreatment Included)							
Flywheel / Flywheel housing				SAE 7-1/2" / SAE #4						

Industrial Engine 3A165





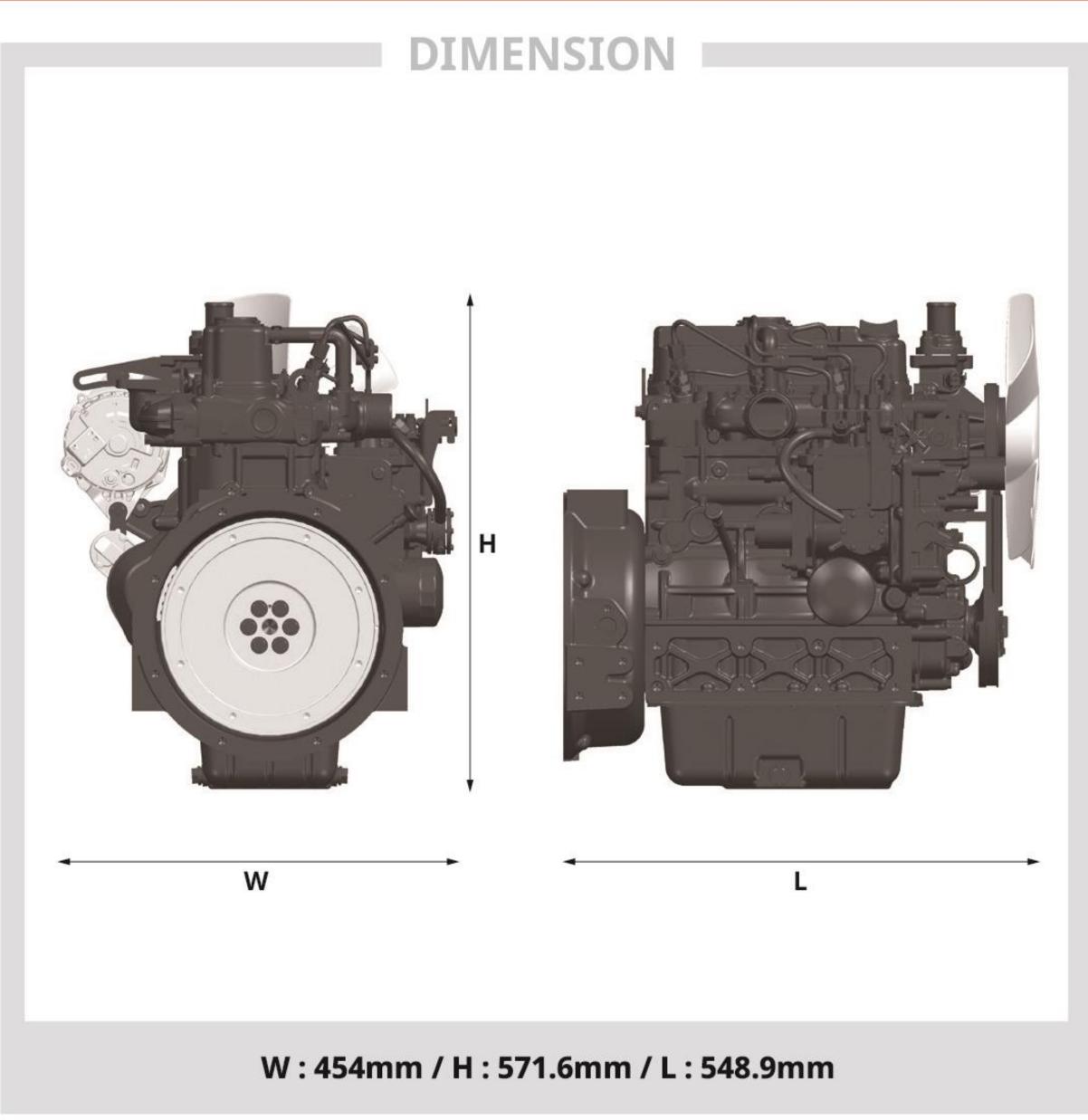


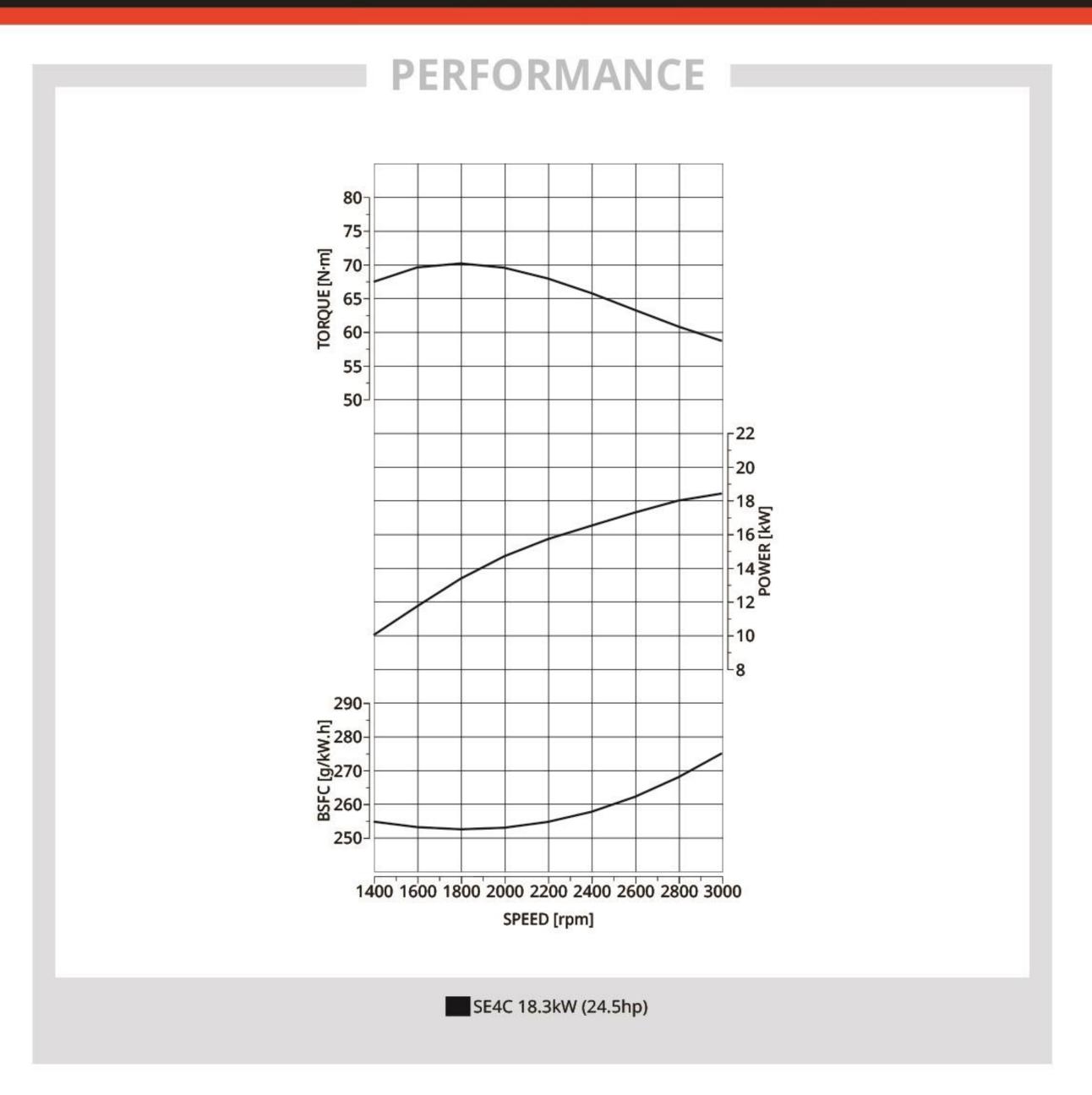


Engine Mo	odel		3A165						
Items	Unit	3A165-SE4A (3A165LSS-A)	3A165-SE4B (3A165LSS-B)	3A165LWS					
Rated Power	kW/hp/rpm	18.3kW/24.5hp/2,600rpm	18.4kW/24.7hp/2,400rpm	25.5kW/34.2hp/2,600rpm					
Max. Torque	N·m/rpm	84.0N·m/1,700rpm	84.0N·m/1,700rpm	106.0N·m/1,700rpm					
Emission Level		EPA/CARB Tier4 Final, E	U StageV, Korea StageV	Non-Emission					
Engine Type			4-Cycle, In-line, Diesel, Water-cooled						
Cylinders			3-Cylinder						
Bore x Stroke	mm		Ø87 x 92.4mm						
Displacement	L		1.647L						
Aspiration			Naturally Aspirated						
Aftertreatment									
Combustor Type	12		In-Direct Injection (Swirl Chamber)						
Governor Type			Mechanical Governor						
Dimension (W x H x L)	mm		506 x 661.7 x 613mm						
Dry Weight	kg		175kg (with Fan)						
Flywheel housing			SAE #4						

Industrial Engine 3L123





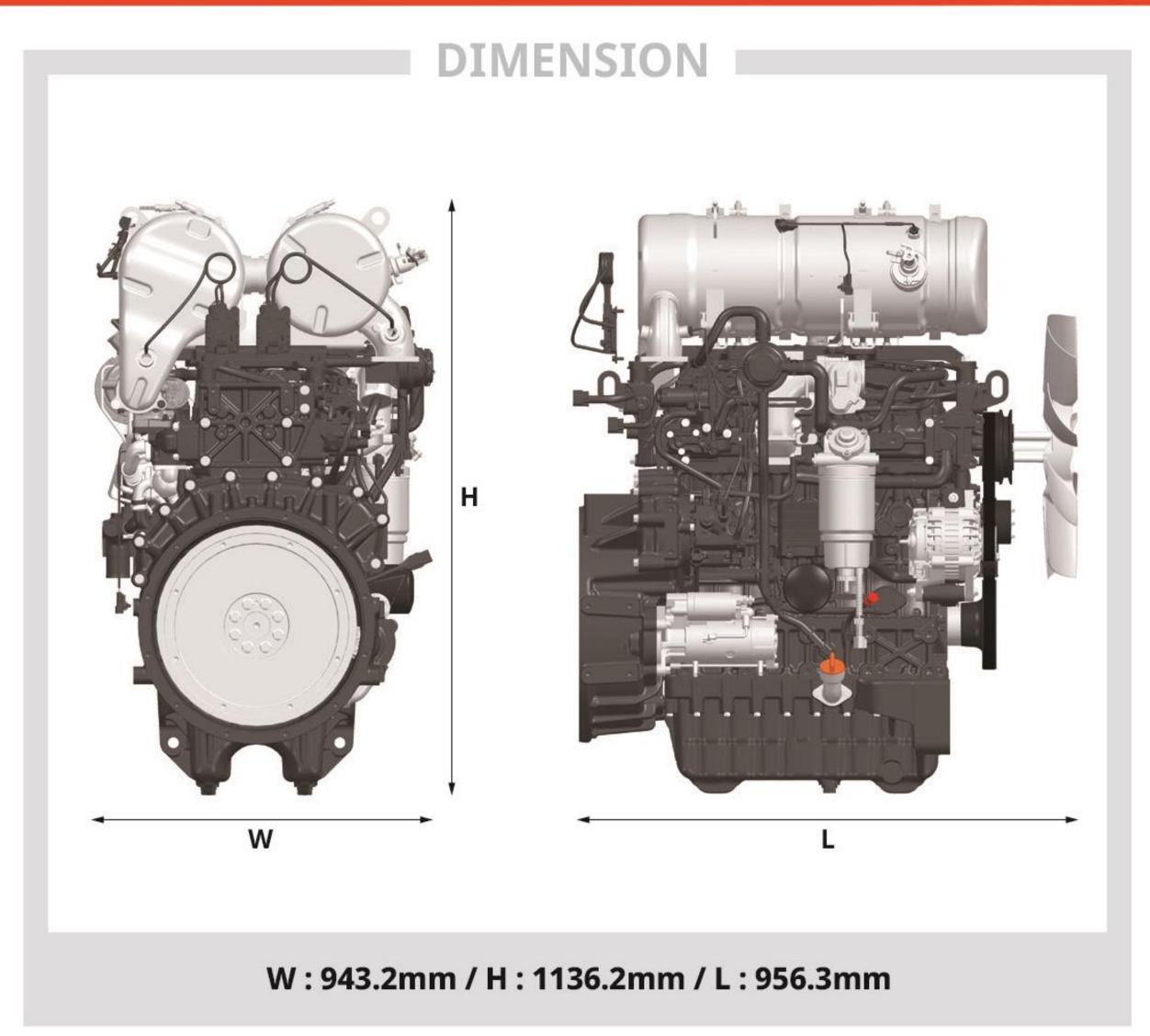


Engine Mod	del	3L123
Items	Unit	3L123-SE4C
Rated Power	kW/hp/rpm	18.3 kW/24.5hp/3000rpm
Max. Torque	N·m/rpm	70.0N·m/1800rpm
Emission Level		EPA/CARB Tier4 Final, EU StageV, Korea StageV
Engine Type		4 Cycle Water-Cooled, Vertical In-Line, Indirect Injection
Cylinders		3-Cylinder
Bore x Stroke	mm	Ø78 x 86mm
Displacement	L	1.233L
Aspiration		Naturally aspirated
Aftertreatment		-
Combustor Type		In-Direct Injection (Swirl Chamber)
Governor Type		Mechanical Governor
Dimension (W x H x L)	mm	454 x 571.6 x 548.9mm
Dry Weight	kg	125.5kg (with Flywheel and Fan)
Flywheel housing		SAE #6

Engine for Generator 41383TA

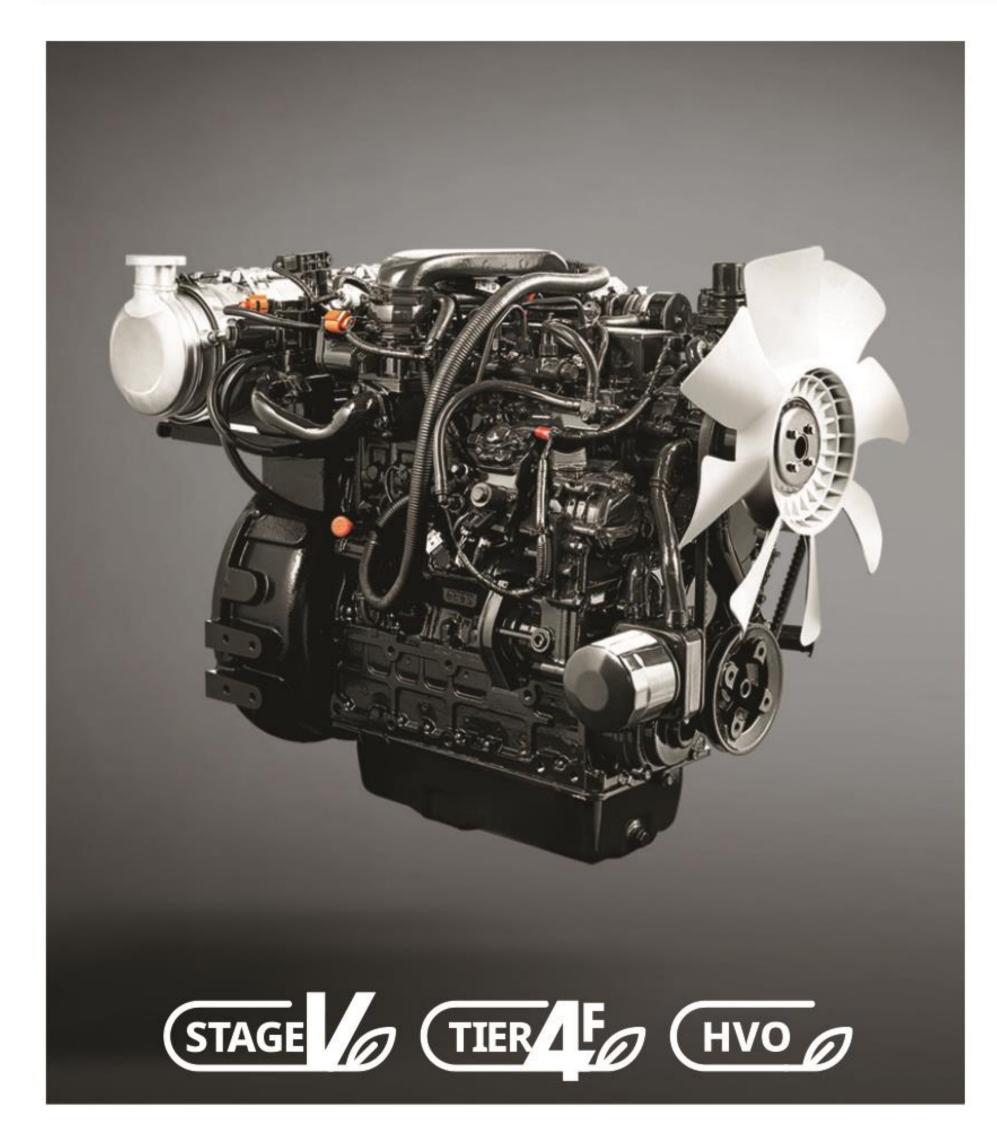


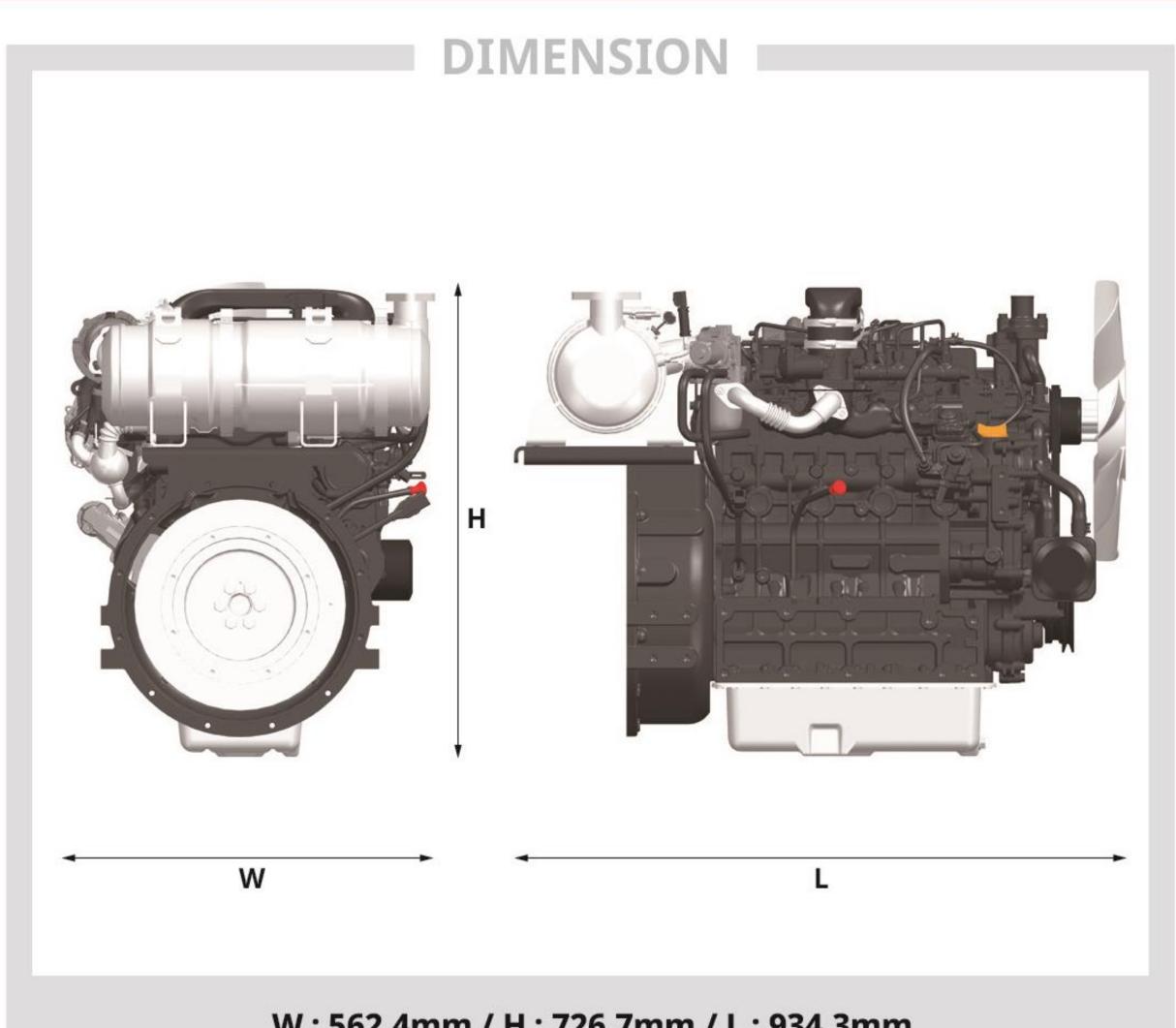




Engine Model			4J383TA-GE5A 4J383TA-GE5B										
Emission				EPA/CARB Tier4	Final, EU StageV								
PERFORMANCE DATA													
Engine Speed	rpm		1800										
Gross Engine Power Output		ESP*	PRP*	COP*	ESP*	PRP*	COP*						
	kW	97.0	87.0	77.5	84.5	76.0	67.5						
Fuel Consumption Rate (at Gross Engine Power)	g/kW.hr	216.1	210.5	212.3	211.3	210.4	208.5						
Fuel Consumption													
100% Load	L/hr	25.1	21.9	19.7	21.4	19.2	16.9						
75% Load	L/hr	18.5	16.7	15.0	15.9	14.4	12.6						
GENERAL ENGINE DATA													
Engine Type				Diesel, 4 Cycle Water-coo	led, Vertical In-Line, CRDI								
Aspiration				Turbocharged (Was	stegate), Intercooler								
Governor Type				Electric Contro	lled Governing								
Displacement	L			3.8	333								
Injection Timing				Controlle	ed by ECU								
Compression Ratio				17.4	4:1								
Rotation				Counterclockwise (View from F/H Side)								
Weight (Dry)	kg		522 (without Fan)										
Alternator Capacity	V-A			12V -	110A								
Flywheel / Flywheel Housing				SAE 11-1/2	2" / SAE #3								

Engine for Generator 4H243T(I)





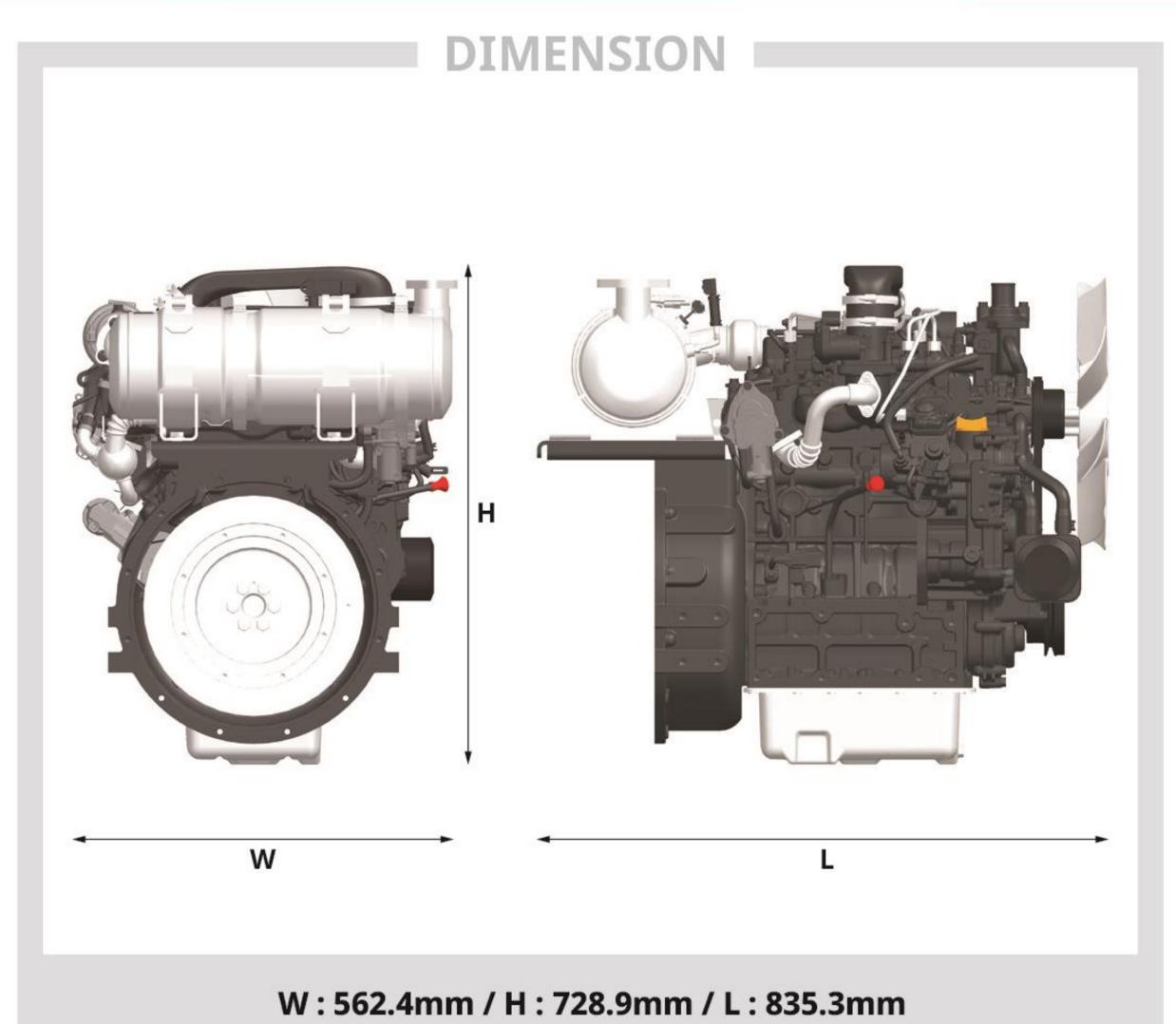
W:562.4mm/H:726.7mm/L:934.3mm

Engine Model			4HT-G15E5A			4HT-G18E5A			4H243TI-GE5E	3		4H243TI-GE5A	Y
Emission			E	PA/CARB Tier4	Final, EU Stage	V			E	PA/CARB Tier4	Final, EU Stage	eV	
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
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
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
GENERAL ENGINE DATA													
Engine Type						Diesel, 4 (ycle Water-coo	led, Vertical In-	Line, CRDI				
Aspiration				Turbocharge	d (Wastegate)				Turk	ocharged (Was	stegate), Interc	ooler	
Governor Type							Electric Contro	lled Governing					
Displacement	L						2.4	135					
Injection Timing							Controlle	ed by ECU					
Compression Ratio							17.4	4:1					
Rotation						Cou	nterclockwise (View from F/H S	Side)				
Weight (Dry)	kg		284 (without Fan)										
Alternator Capacity	V-A						12V	- 75A					
Flywheel / Flywheel Housing							SAE 7-1/2	" / SAE #4					

Engine for Generator 3H183(T)



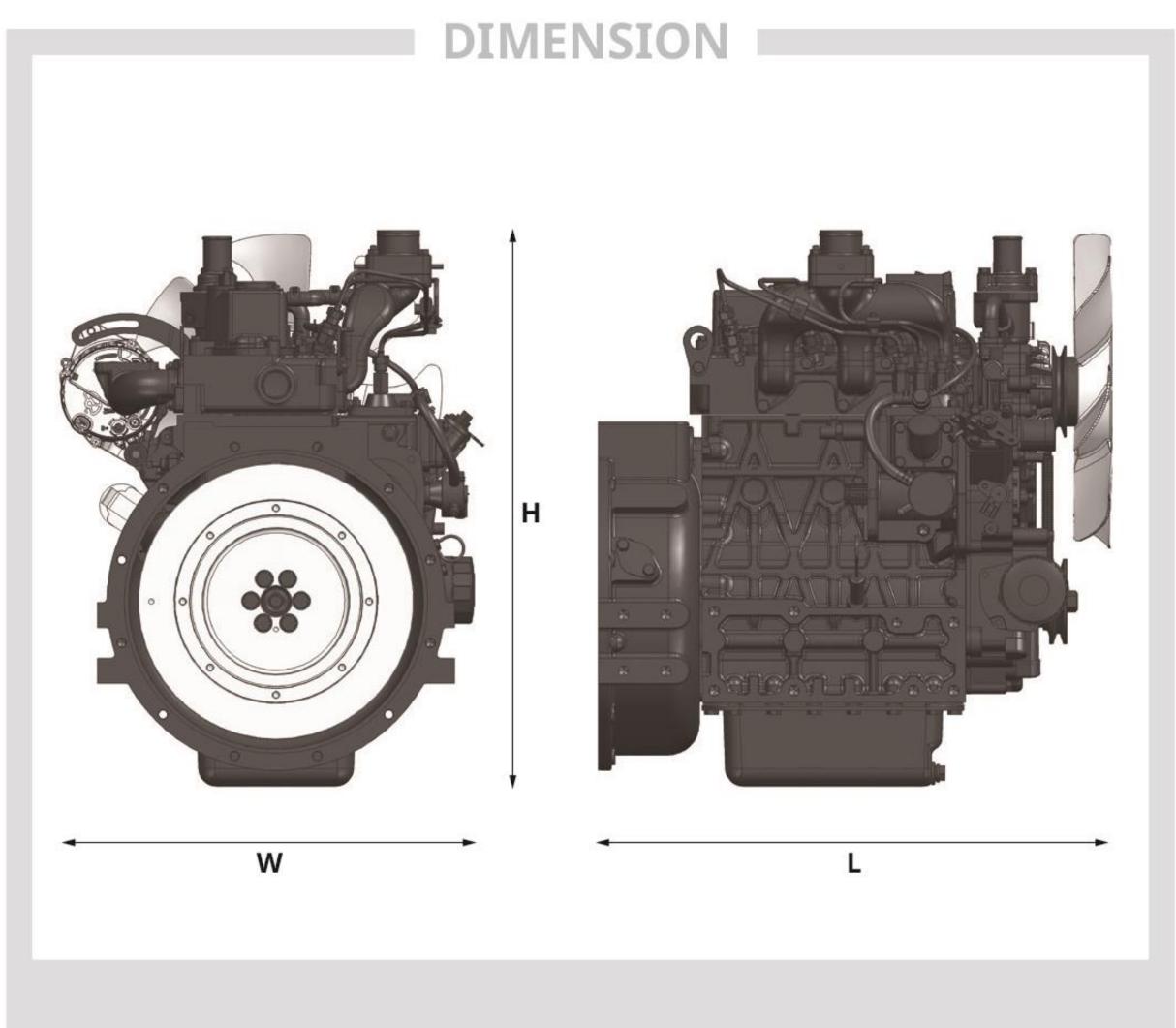




Engine Model			3H-G15E5A 3H-G18E5A 3HT-G15E5A5B 3HT-G18										
Emission			EPA/CARB Tier4 Final, EU StageV										
PERFORMANCE DATA	70												
Engine Speed	rpm		1500			1800			1500			1800	
Gross Engine Power Output		ESP*	PRP*	COP*	ESP*	PRP*	COP*	ESP*	PRP*	COP*	ESP*	PRP*	COP*
	kW	28.7	26.0	23.0	35.1	31.0	28.0	31.0	28.0	25.0	39.0	35.0	31.0
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
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
GENERAL ENGINE DATA													
Engine Type						Diesel, 4 (Cycle Water-coo	led, Vertical In-	Line, CRDI				
Aspiration				Turbocharge	d (Wastegate)				Turb	ocharged (Was	stegate), Interc	ooler	
Governor Type							Electric Contro	lled Governing					
Displacement	L						1.8	326					
Injection Timing							Controlle	ed by ECU					
Compression Ratio							17.4	4:1					
Rotation						Cou	nterclockwise (View from F/H S	Side)				
Weight (Dry)	kg		254 (without Fan)										
Alternator Capacity	V-A						12V	- 75A					
Flywheel / Flywheel Housing							SAE 7-1/2	" / SAE #4					

Engine for Generator 3A165



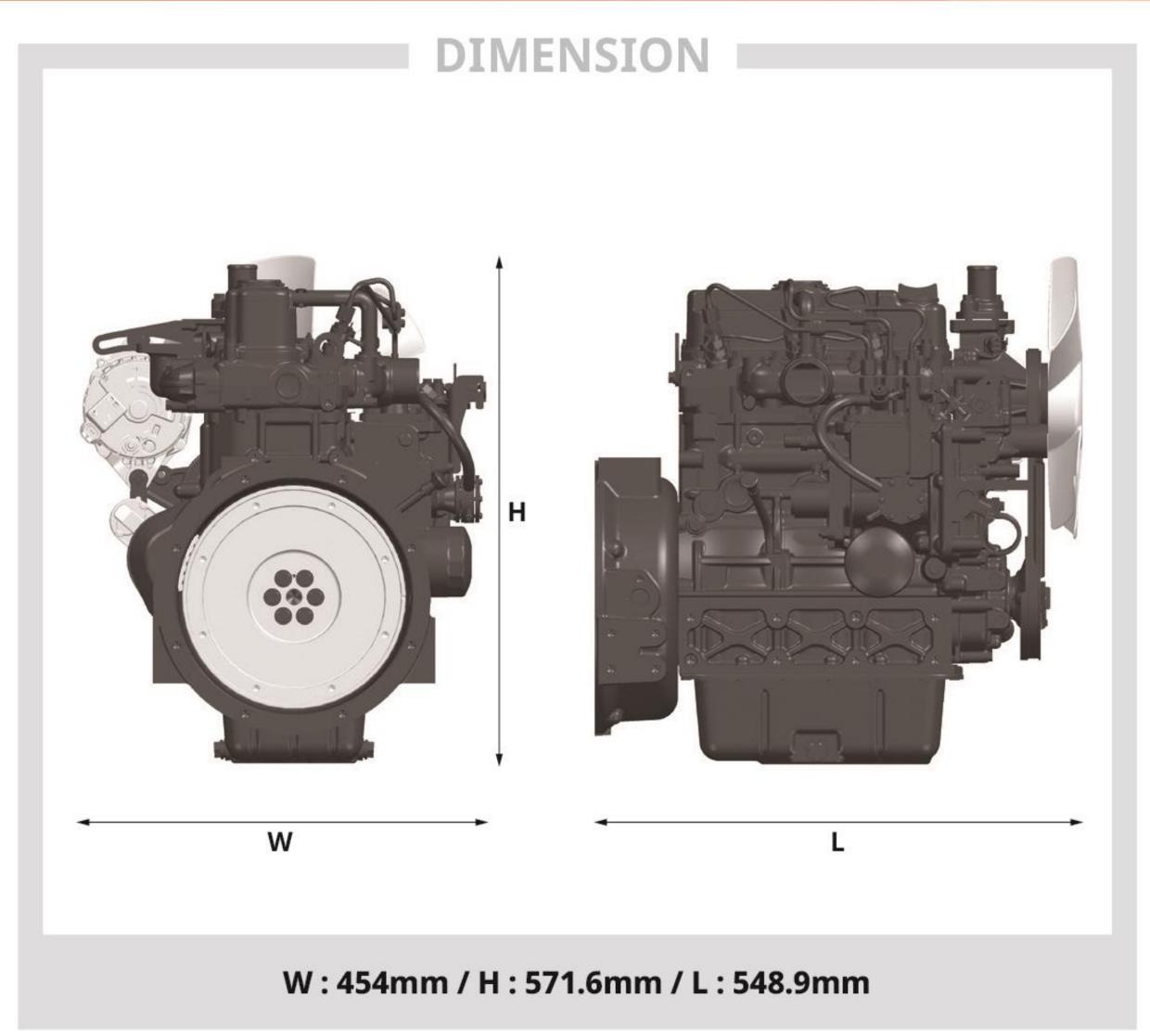


Engine Model			3A165LWEG-E			3A165LWG			3A165LFG-U (3A165	LWEG)
Emission					EPA/C	ARB Tier4 Final, EU S	StageV			
PERFORMANCE DATA										
Engine Speed	rpm		1500			1800			1800	
Gross Engine Power Output		ESP*	PRP*	COP*	ESP*	PRP*	COP*	ESP*	PRP*	COP*
	kW	15.0	13.5	12.8	17.0	15.3	14.5	18.0	16.2	15.3
Fuel Consumption Rate (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
Fuel 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
GENERAL ENGINE DATA										
Engine Type					Diesel, 4 Cycle Water	-cooled, Vertical In-L	ine, Indirect Injectio	n		
Aspiration						Naturally Aspirated				
Governor Type			Electric Governor			Mechanical Governo	r		Electric Governor	
Displacement	L					1.647				
Injection Timing						BTDC 14°				
Compression Ratio						21.7:1				
Rotation					Counterd	lockwise (View from	F/H Side)			
Weight (Dry)	kg		175.0 (with Fan)							
Alternator Capacity	V-A					12V - 75A				
Flywheel / Flywheel Housing						SAE 7-1/2" / SAE #4				

Engine for Generator 3L123

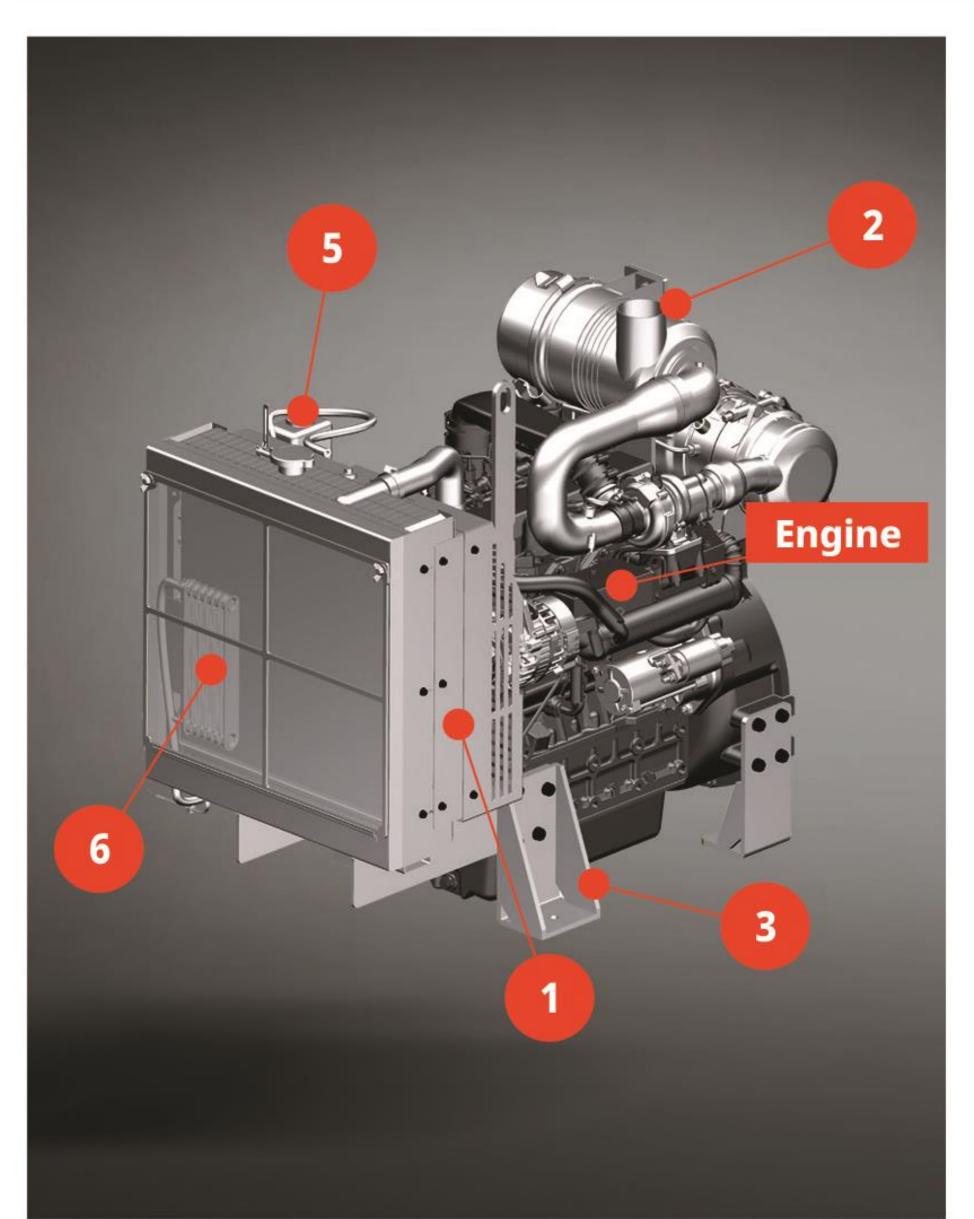


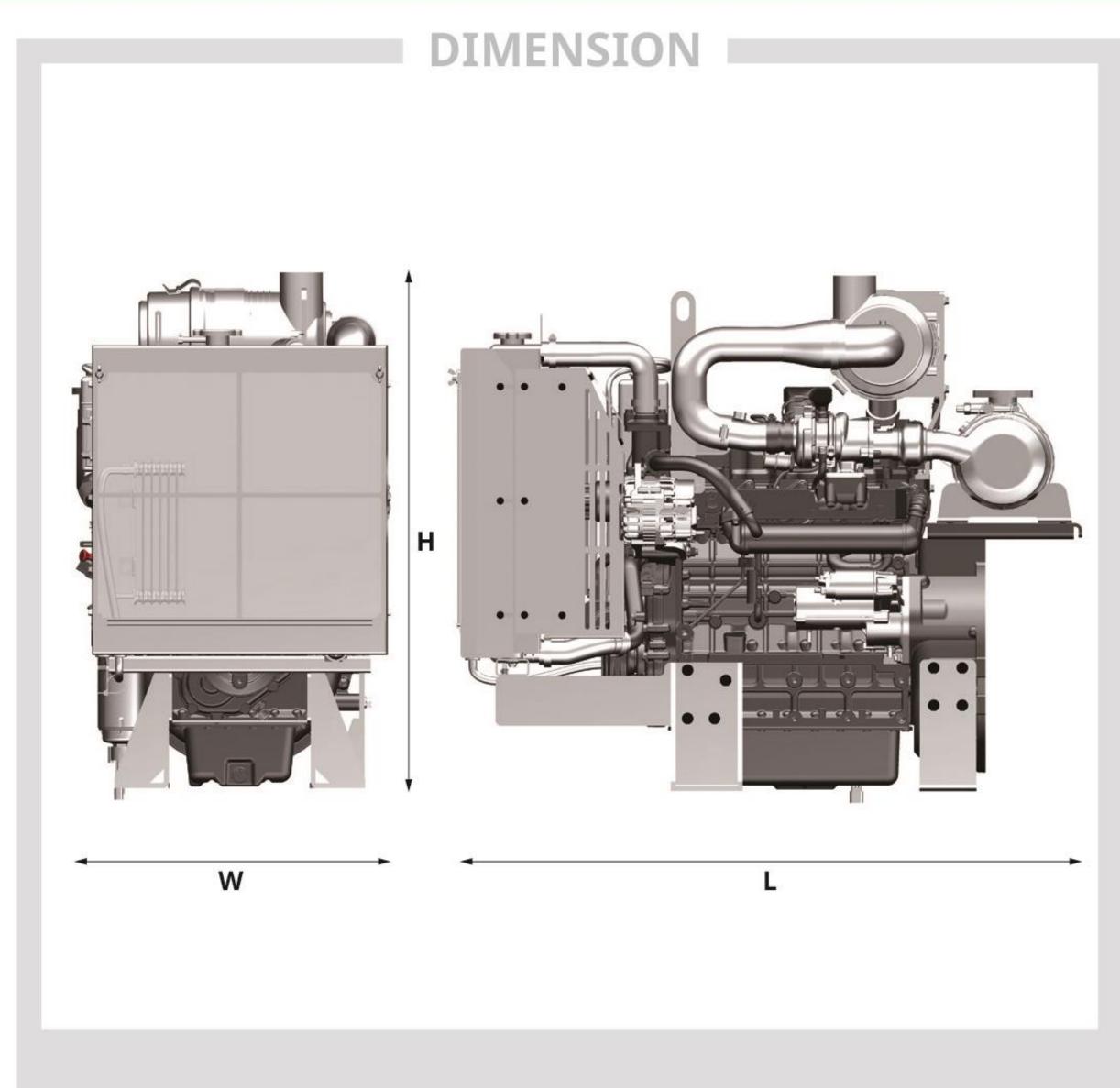




Engine Model						3L123G				
Emission					EPA/C	ARB Tier4 Final, EU	StageV			
PERFORMANCE DATA					aw.					
Engine Speed	rpm		1500			1800			1800	
Gross Engine Power Output		ESP*	PRP*	COP*	ESP*	PRP*	COP*	ESP*	PRP*	COP*
	kW	9.0	8.1	7.7	9.0	8.1	7.7	12.0	10.8	10.2
Fuel Consumption Rate (at Gross Engine Power)	g/kW.hr	172.6	170.1	173.5	170.7	172.2	169.2	171.5	170.1	172.1
Fuel 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
GENERAL ENGINE DATA										
Engine Type					Diesel, 4 Cycle Water	-cooled, Vertical In-l	ine, Indirect Injectio	n		
Aspiration						Naturally Aspirated	<u>g</u>			
Governor Type			Electric Governor			Mechanical Governo	or		Electric Governor	
Displacement	L					1.233				
Injection Timing			BTDC 14°				BTD	C 15°		
Compression Ratio						23.7 : 1				
Rotation			Counterclockwise (View from F/H Side)							
Weight (Dry)	kg		125 (with Fan)							
Alternator Capacity	V-A					12V - 75A				
Flywheel / Flywheel Housing						SAE 7-1/2" / SAE #6				

POWER PACK SERIES





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.

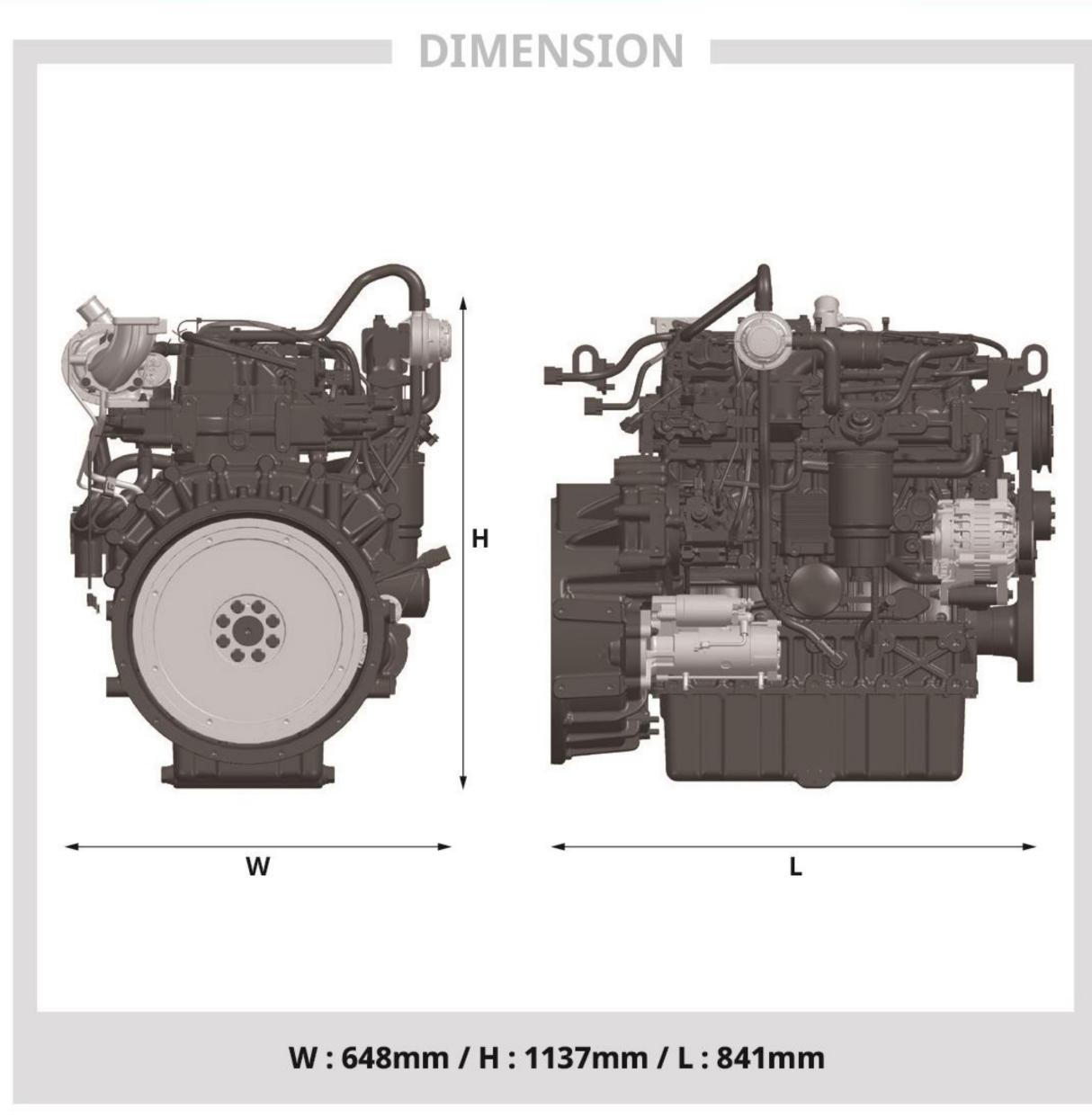
	Supply Scope													
POWER PACK	Power	Engine	1	2	3	4	5	6					Size	
SERIES	I Ower	Displacement	Radiator	Air cleaner	Support Brkt.	Fuel Filter	Reserve Tank	Fuel Cooler	Urea Tank	Control Panel	Wire Harness	W (mm)	H (mm)	L (mm)
3L-PP	9~18kW	1.2L						-	-			535	672	773
3A-PP	15~26kW	1.6L						F-	-			549	784	919
3H-PP	26~30kW	1.8L							-			567	904	1034
3HT-PP	33~41kW	1.8L(T)							-			567	917	1034
4HT-PP	37~55kW	2.4L(T)							-			567	917	1125
4J-PP	85~105kW	3.8L										673	1407	1278

When ordering the Powerpack kit, the options listed in the table are provided, and each of these options can also be purchased separately.

MARINE ENGINE







Customizing on yours.

Introducing engines for marine systems.

These engines can be customized to meet your specific requirements.

(The specifications below represent the standard performance features.)

Engine Mode	el	4J383TI						
Items	Unit							
Rated Power	kW/hp/rpm	104.5kW/140hp/2200rpm						
Max. Torque	N·m/rpm	540.0N·m/1400rpm						
Emission Level		Non-Emission						
Engine Type		4-Cycle, 4Valve, Diesel, Water-cooled						
Cylinders		4-Cylinder						
Bore x Stroke	mm	Ø103×115mm						
Displacement	L	3.833L						
Aspiration		Discuss, Turbocharged + Intercooler						
Aftertreatment		Discuss, CCRT (DOC+DPF)+SCR & Cooled EGR						
Combustor Type		Common Rail Direct Injection (CRDI)						
Governor Type		Electric Control (ECU)						
Dimension (W x H x L)	mm	648 x 1137 x 841mm						
Dry Weight	kg	About 495kg (with Aftertreatment, Fan, Flywheel and Housing)						
Flywheel / Flywheel Housing		SAE 11-1/2" / SAE #3						

