



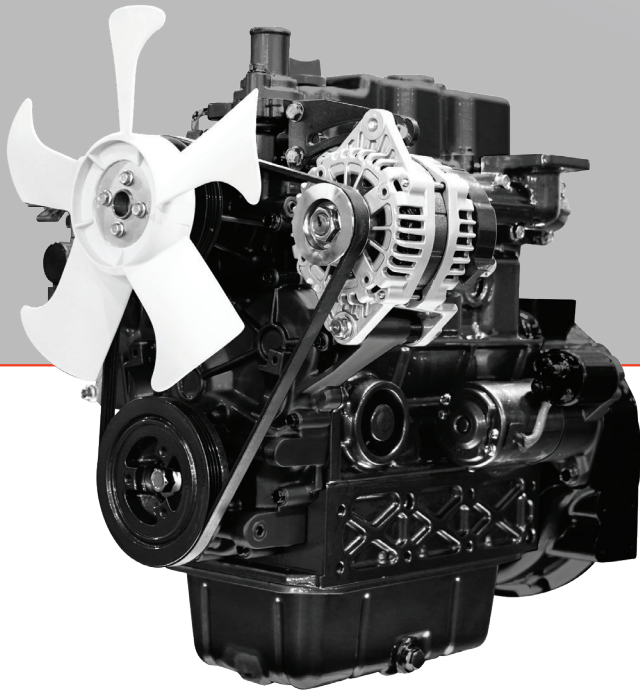
Compact Versatile Diesel Engine





# Industrial Engines





# 3L123

18.3kW / 24.5 hp

STAGE V TIER 4F HVO

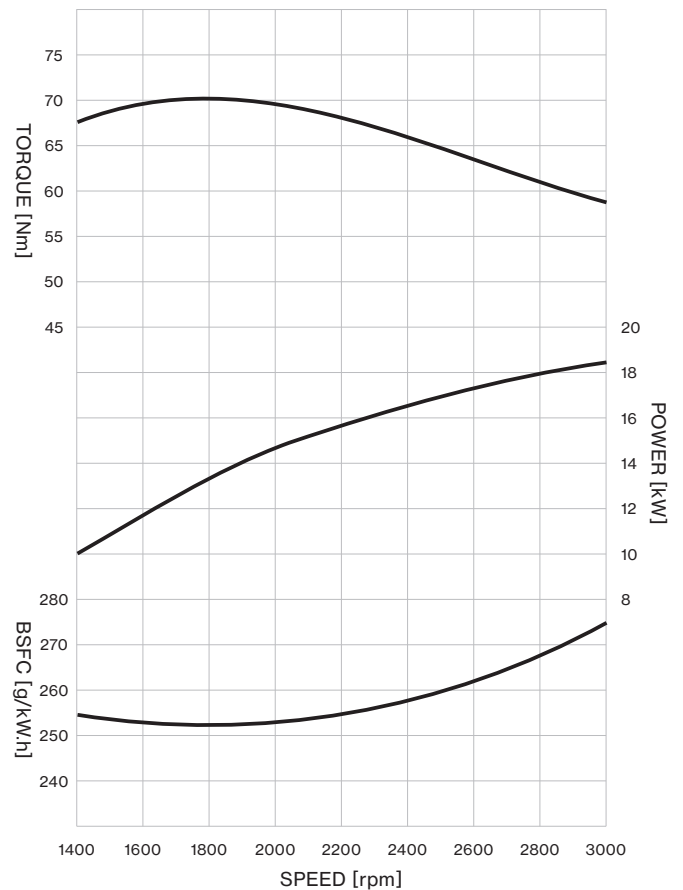
L	554.5 mm
W	454 mm
H	571 mm

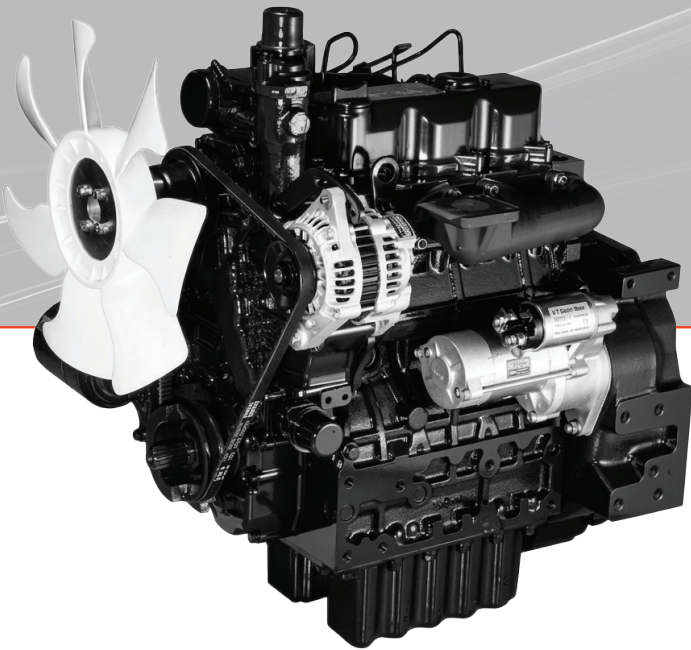
## SPECIFICATION

Model	3L123	
Emission	Stage5, 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

18.3–25.5 kW / 24.5–34.2 hp

STAGE V TIER 4F HVO

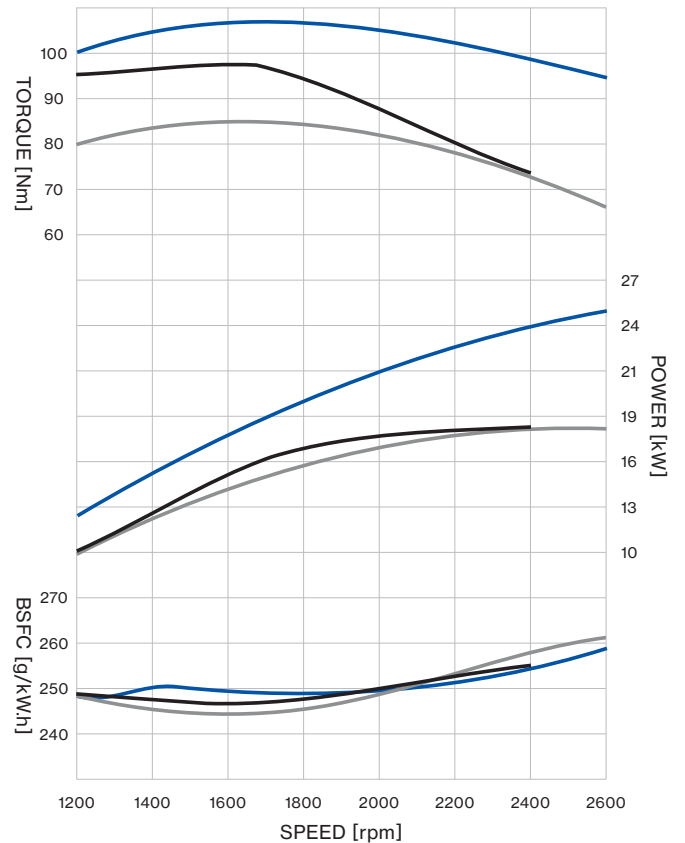
L	611.4 mm
W	490.7 mm
H	656.5 mm

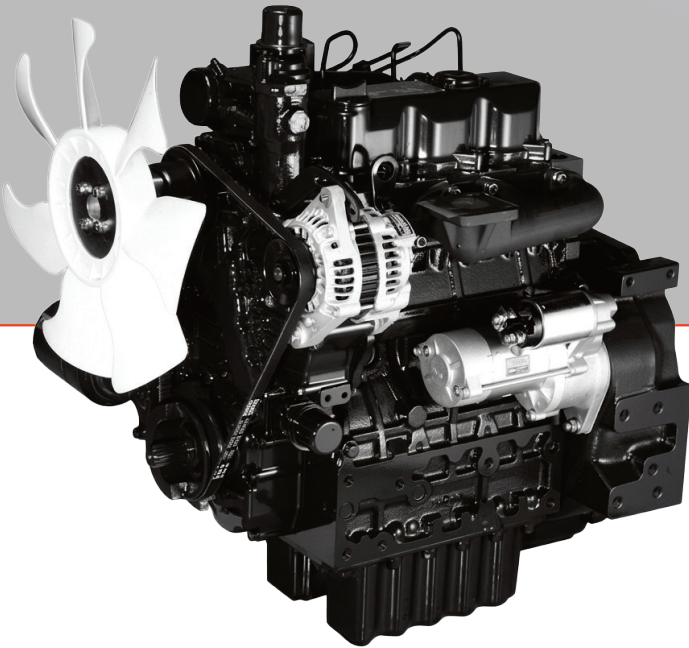
## SPECIFICATION

Model	3A165			
Emission	Stage3A, Tier3 Stage5, 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) Mechanical (EU)		
Dry Weight	Kg	175		
Flywheel housing	SAE No. 4 (Optional : SAE No. 5)			

## PERFORMANCE

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





# 3B183

28.3kW / 38hp

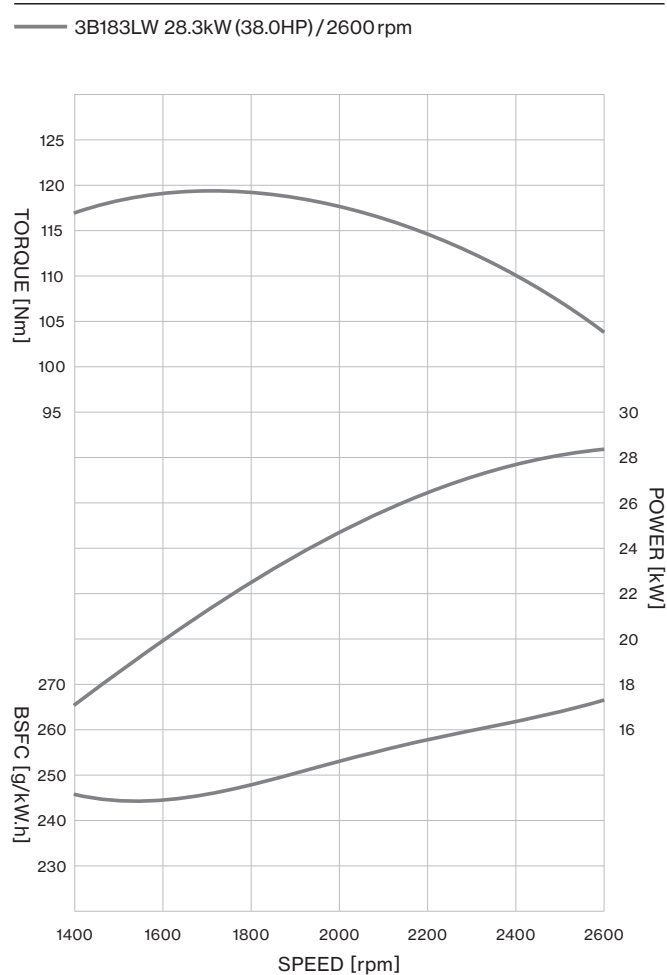


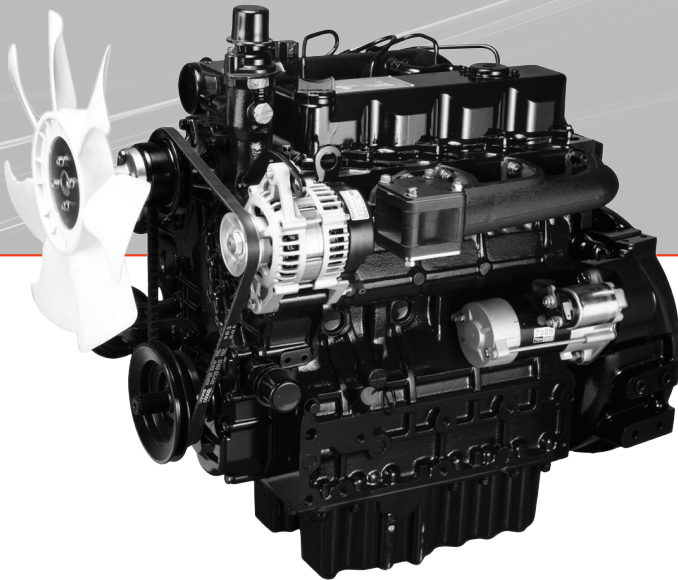
L	671 mm
W	517.5 mm
H	700 mm

## 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



L	772.6 mm
W	545.5 mm
H	692 mm

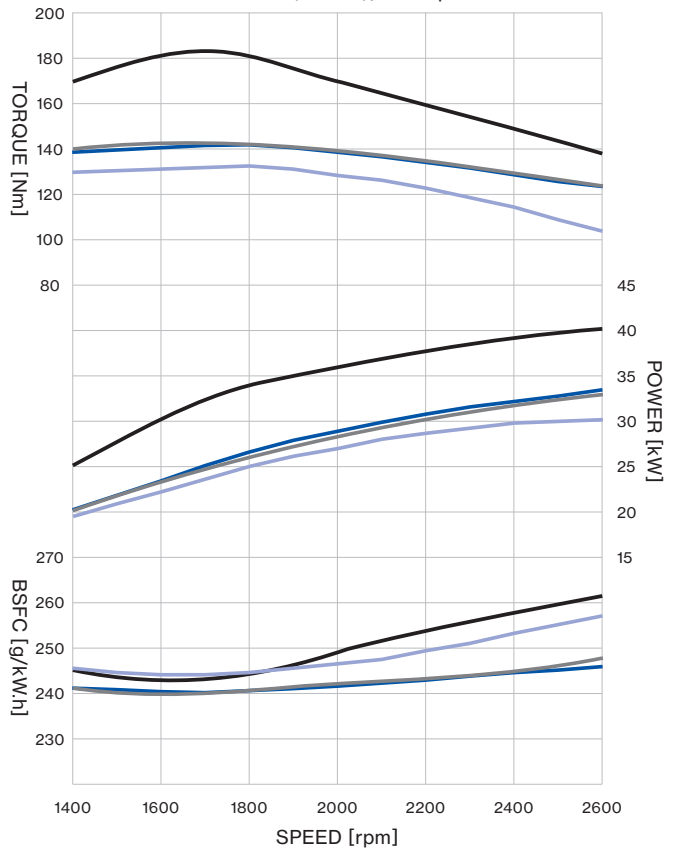
## SPECIFICATION

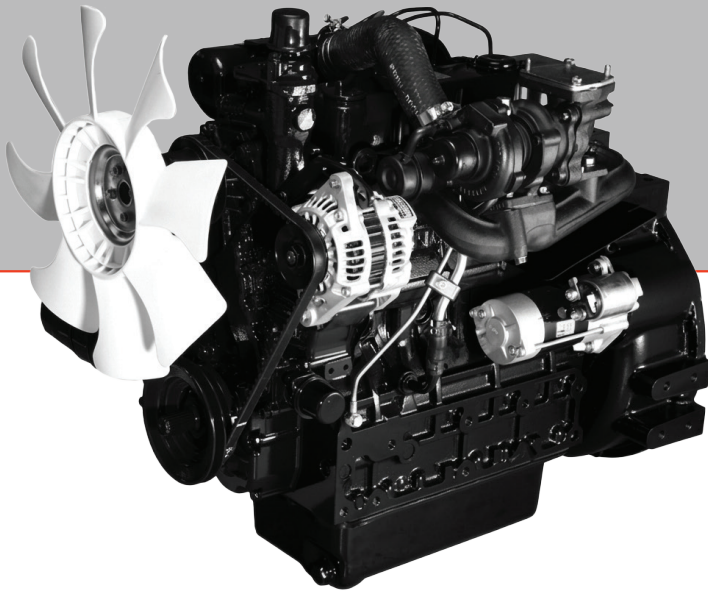
Model	4A220 (T)	
Emission	Stage3B, Tier3	
Engine Type	4-Cycle, In-line, Diesel, Water cooled	
Cylinders	4-Cylinder	
Bore × Stroke	mm	Ø87 × 92.4
Displacement	Liter	2.197
Aspiration	Natural Aspiration	Turbocharged
Aftertreatment	-	
Rated Power	kW	33.7      40.2
	hp	45.2      53.9
	rpm	2600      2600
Max. 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

- 4A220LW 33.7kW (45.2HP) / 2600rpm
- 4A220TLW 40.2kW (53.9HP) / 2600rpm
- 4A220LWS-R41 30.6 kW (41.0HP) / 2600rpm
- 4A220LWS-R45 33.7kW (45.2HP) / 2600rpm





# 4B243 (T)

36.5–44.0 kW / 48.9–59.0 hp



L	763.1 mm
W	545.5 mm
H	736.7 mm

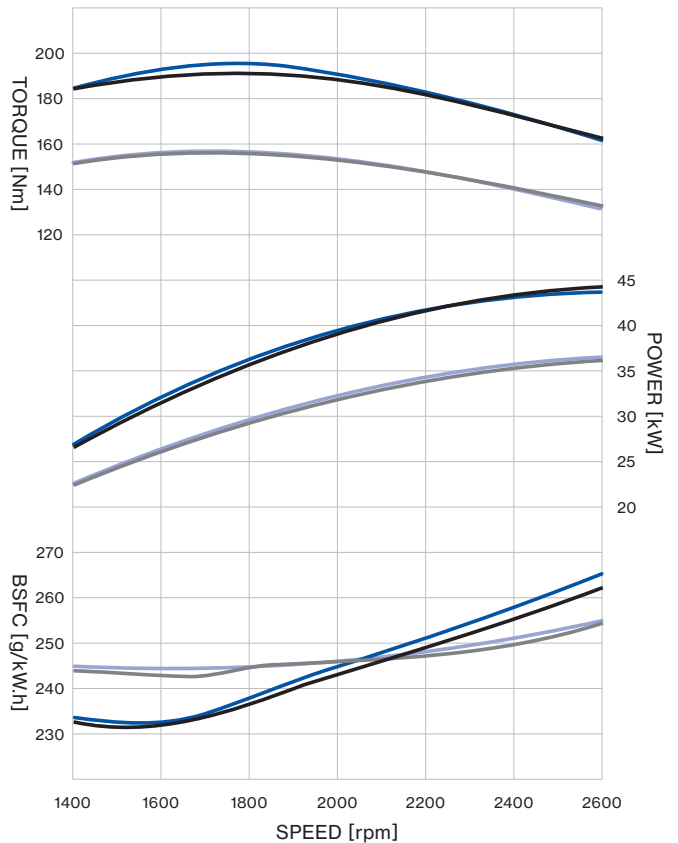
## SPECIFICATION

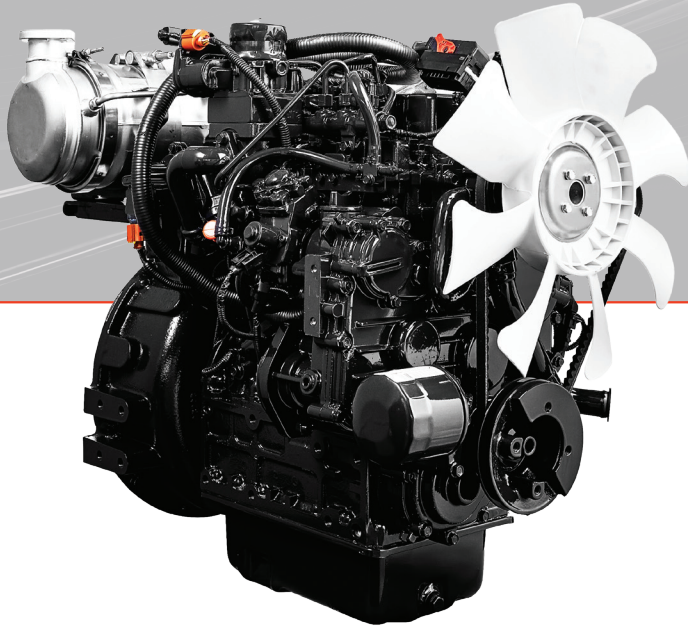
Model	4B243 (T)	
Emission	Stage3A, Tier4 Interim	
Engine Type	4-Cycle, In-line, Diesel, Water cooled	
Cylinders	4-Cylinder	
Bore × Stroke	mm	Ø87 × 102.4
Displacement	Liter	2.435
Aspiration	Natural Aspiration	Turbocharged
Aftertreatment	-	
Rated Power	kW	36.5      44.0
	hp	48.9      59.0
	rpm	2600      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)

26–41kW / 34.9–55 hp



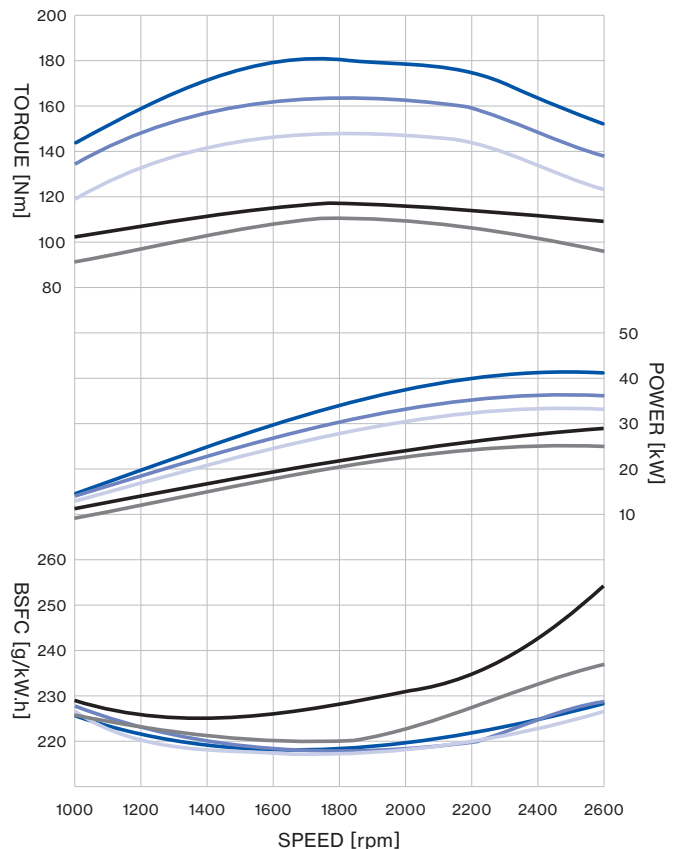
L	835	mm
W	563	mm
H	729	mm

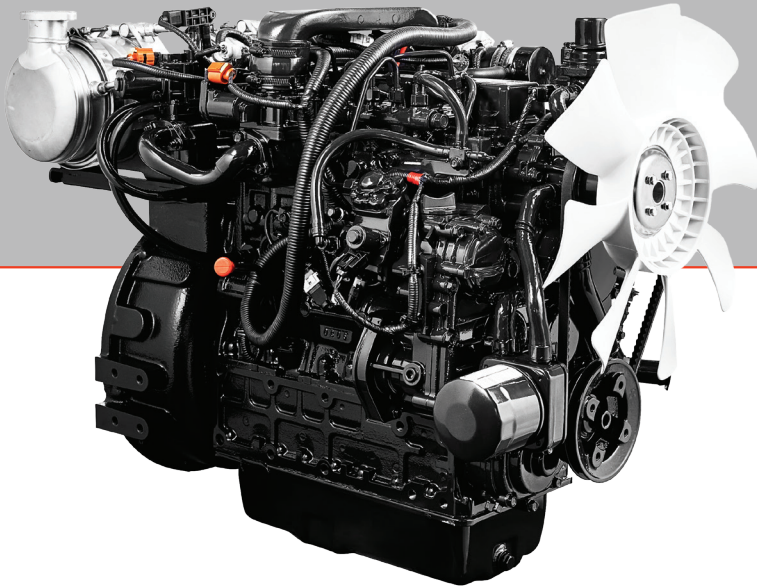
## SPECIFICATION

Model	3H183 (T)					
Emission	Stage5, 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
	hp	34.9	39.6	44.9	50.3	55
	rpm	2600	2600	2600	2600	2600
Max. Torque	Nm	142.3	118	182.6	166	181
	rpm	1700	1800	1700	1700	1700
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





# 4H243T (I)

45–54.9kW / 60.3–73.6 hp

STAGE V TIER 4F HVO

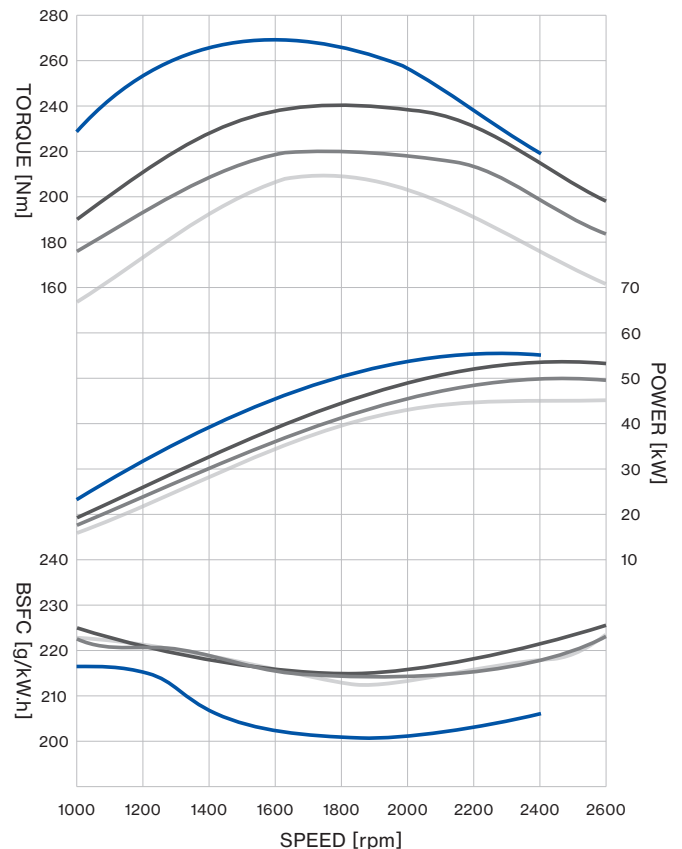
L	934	mm
W	566	mm
H	727	mm

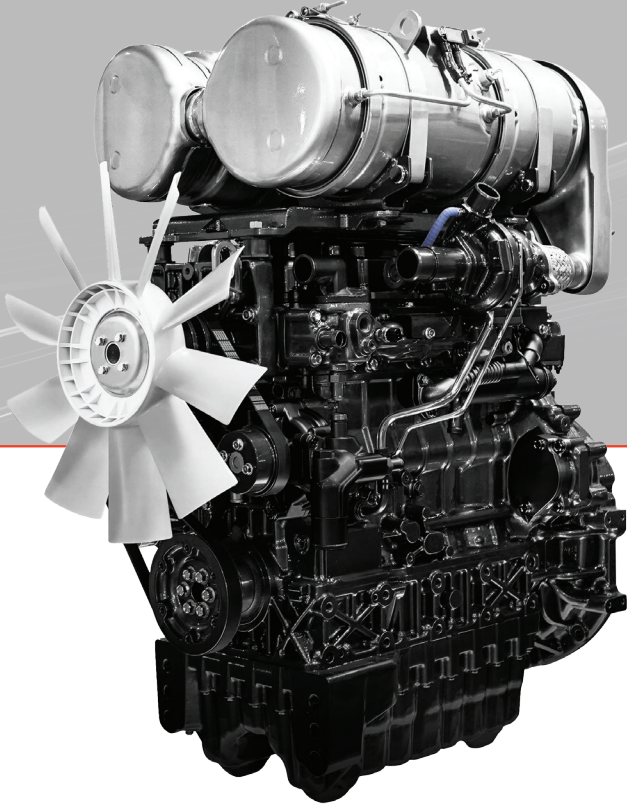
## SPECIFICATION

Model	4H243T (I)				
Emission	Stage5, 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 charged			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

- 4H243T 45.0kW (60.3HP) / 2600rpm
- 4H243T 49.5kW (66.4HP) / 2600rpm
- 4H243T 54.5kW (73.1HP) / 2600rpm
- 4H243TI 54.9kW (73.6HP) / 2400rpm





# 4J383TA

71–104.5 kW / 95.2–140.1 hp



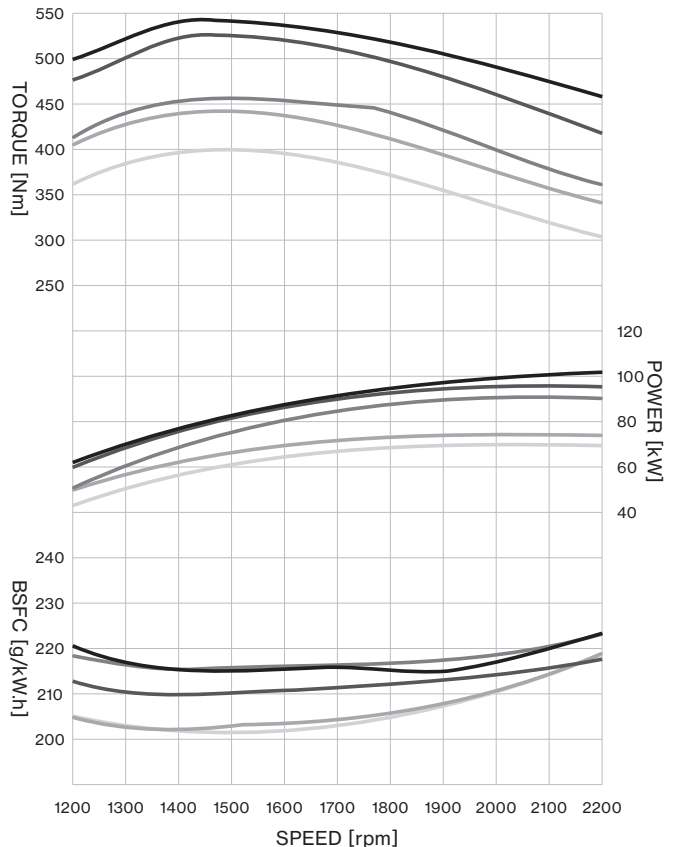
L	948	mm
W	666	mm
H	1136	mm

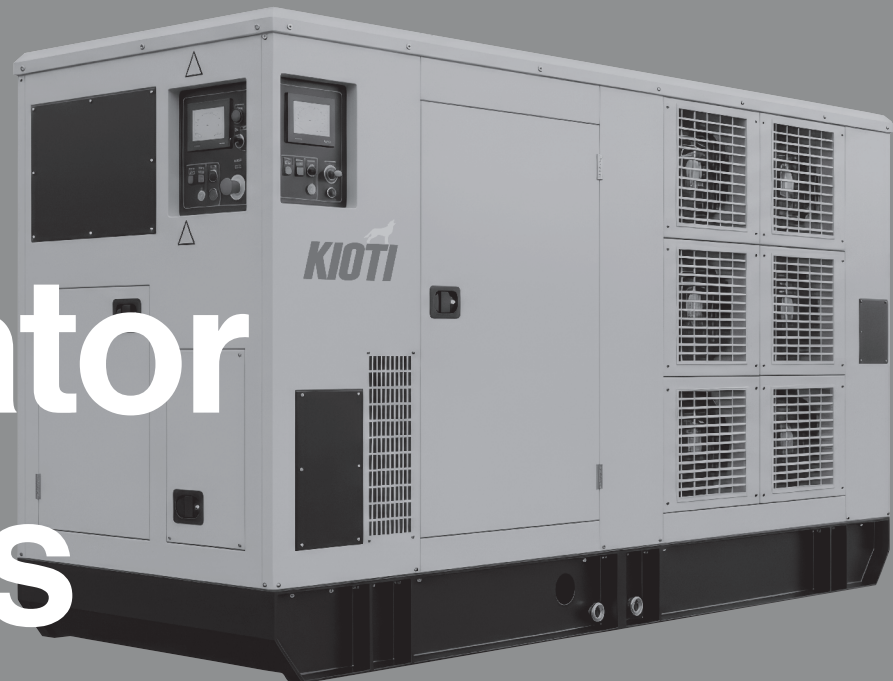
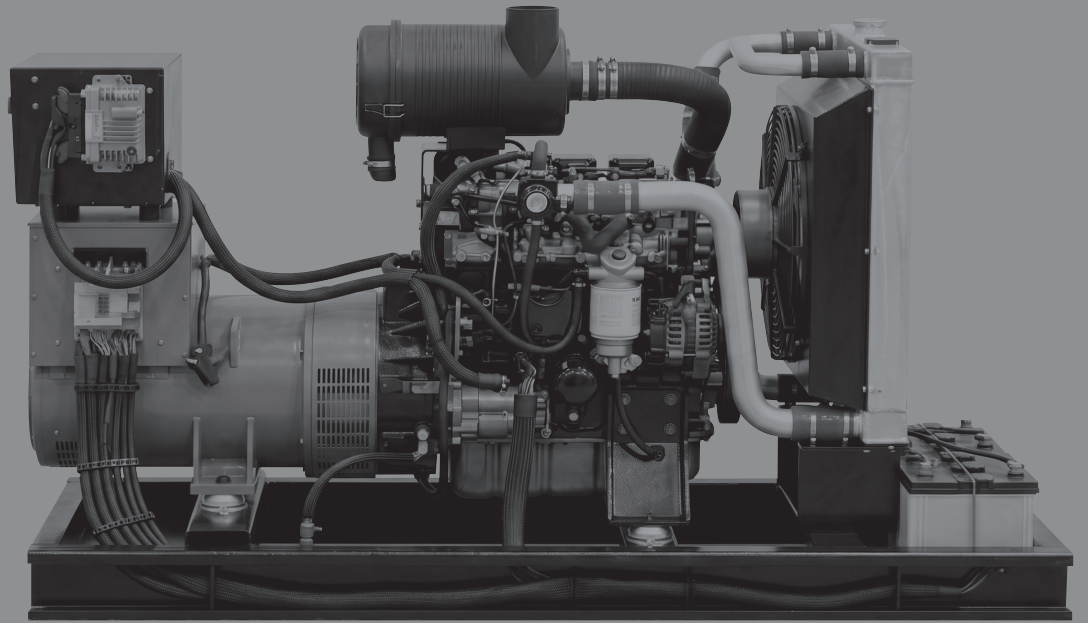
## SPECIFICATION

Model	4J383TA					
Emission	Stage5, 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					

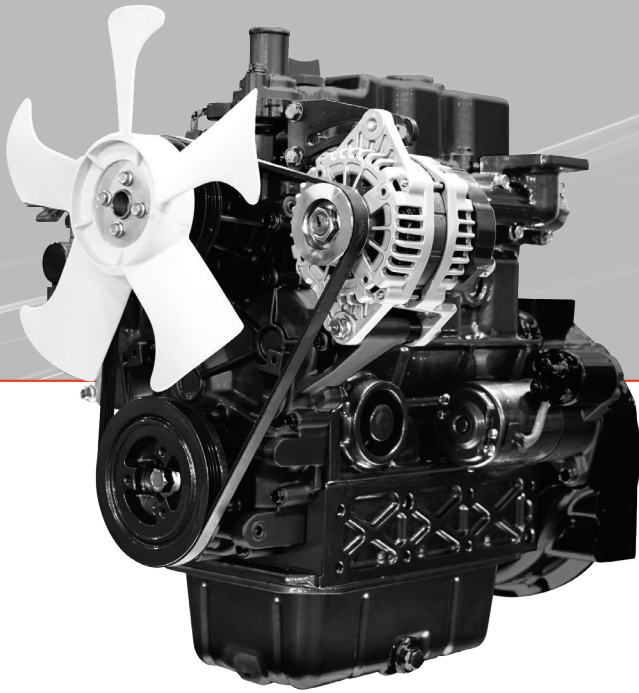
## PERFORMANCE

- 4J383TA 71kW (95.2HP) / 2200rpm
- 4J383TA 78kW (104.6HP) / 2200rpm
- 4J383TA 86kW (115.3HP) / 2200rpm
- 4J383TA 97kW (130.1HP) / 2200rpm
- 4J383TA 104.5kW (140.1HP) / 2200rpm





# Generator Engines



# 3L123G

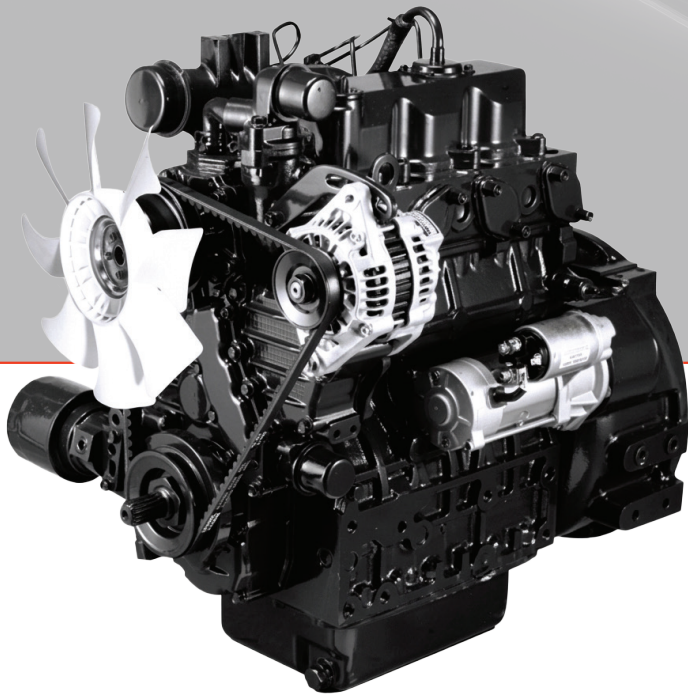
ESP 9–12.0 kW / 12.1–16.1 hp



L	450 mm
W	550 mm
H	571 mm

## SPECIFICATION

Model	3L123G										
Emission	US Tier4 Final			US Tier4 Final			US Tier4 Final				
<b>PERFORMANCE DATA</b>											
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 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
	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 (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	
<b>GENERAL ENGINE DATA</b>											
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	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 (View from F/H Side)			Counterclockwise (View from F/H Side)			Counterclockwise (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

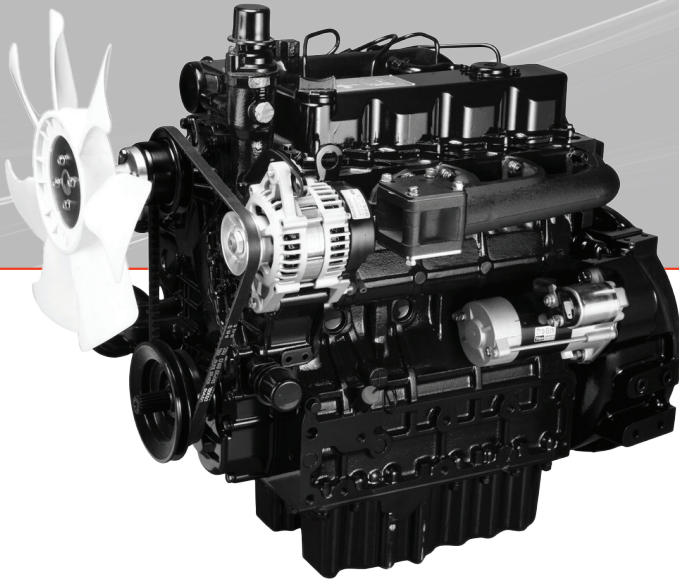
ESP 15–18 kW / 20.1–24.1 hp



L	645 mm
W	506 mm
H	673 mm

## SPECIFICATION

Model	3A165G										
Emission	US Tier4 Final			US Tier4 Final			US Tier4 Final				
<b>PERFORMANCE DATA</b>											
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 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
	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 (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	
<b>GENERAL ENGINE DATA</b>											
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	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 (View from F/H Side)			Counterclockwise (View from F/H Side)			Counterclockwise (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

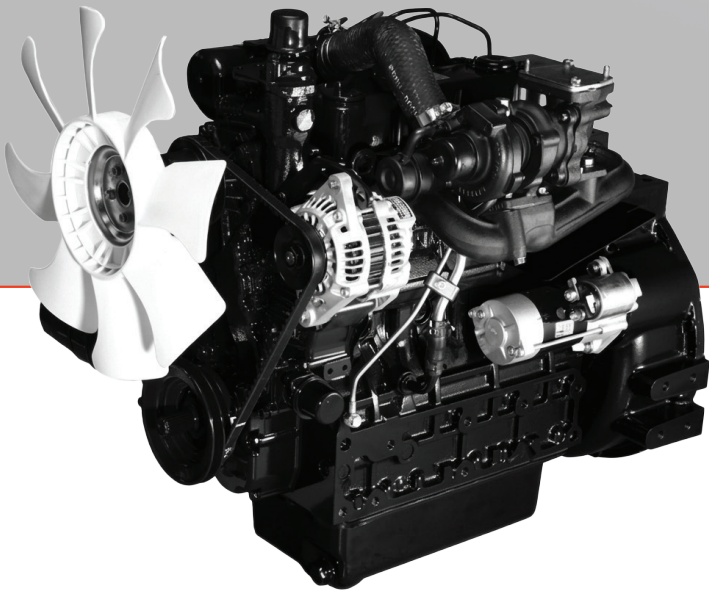
ESP 20–24 kW / 26.8–32.2 hp



L	763 mm
W	506 mm
H	692 mm

## SPECIFICATION

Model	4A220G										
Emission	Non-Emission			Non-Emission			Non-Emission				
<b>PERFORMANCE DATA</b>											
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 Fuel 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 (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	
<b>GENERAL ENGINE DATA</b>											
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	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 (View from F/H Side)			Counterclockwise (View from F/H Side)			Counterclockwise (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

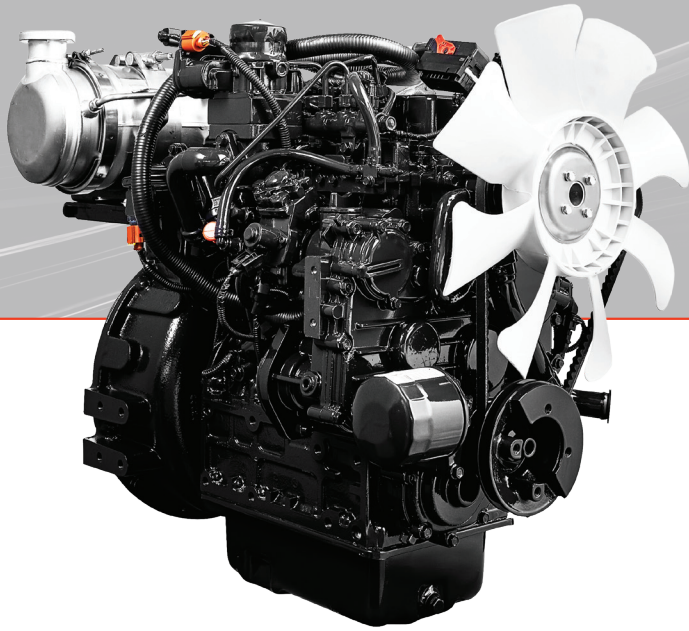
ESP 25–32 kW / 33.5–42.9 hp



L	763 mm
W	545 mm
H	737 mm

## SPECIFICATION

Model	4B243TG										
Emission	Non-Emission			Non-Emission			Non-Emission				
<b>PERFORMANCE DATA</b>											
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	
<b>GENERAL ENGINE DATA</b>											
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

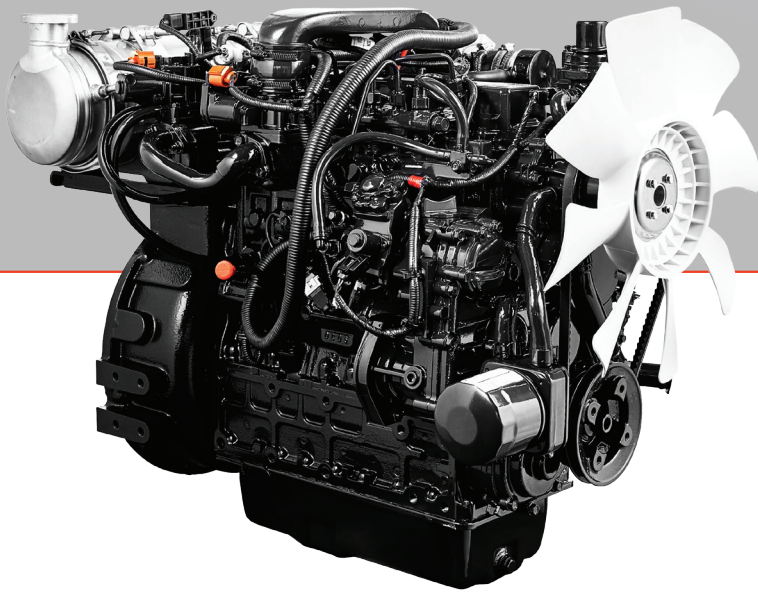
Model	3H183TG	3H183TIG
Emission	US Tier4 Final, (EU StageV planned in 2027)	US Tier4 Final, (EU StageV planned in 2027)

### PERFORMANCE DATA

Engine Speed	rpm	1500			1800			1500			1800			
		ESP	PRP	COP	ESP	PRP	COP	ESP	PRP	COP	ESP	PRP	COP	
Gross Engine Power Output		28.7	26.0	23.0	35.1	31.0	28.0	31.0	28.0	25.0	39.0	35.0	31.0	
	kW													
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



L	934.3 mm
W	566.9 mm
H	726.7 mm

## SPECIFICATION

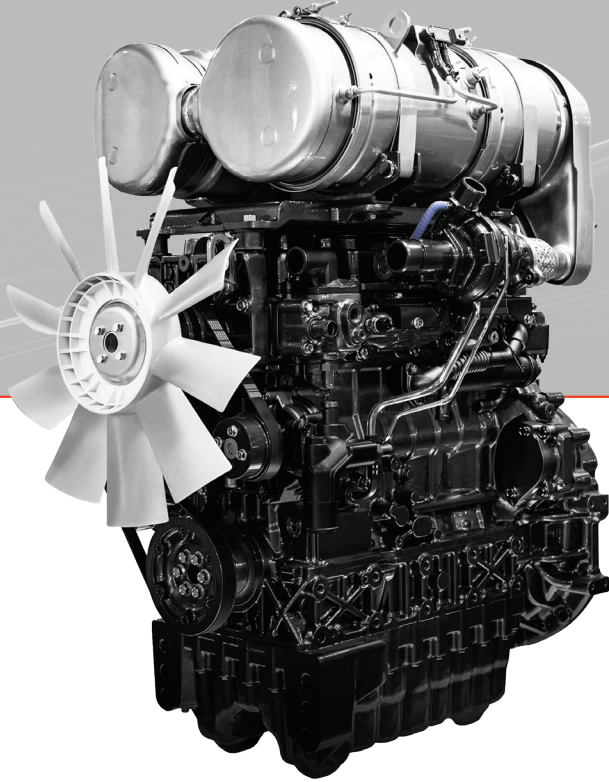
Model	4H243TG						4H243TIG					
Emission	US Tier4 Final, (EU StageV planned in 2027)						US Tier4 Final, (EU StageV planned in 2027)					

### PERFORMANCE DATA

Engine Speed	rpm	1500			1800			1500			1800			
		ESP	PRP	COP	ESP	PRP	COP	ESP	PRP	COP	ESP	PRP	COP	
Gross Engine Power Output		37.2	33.0	29.5	45.2	40.0	36.0	43.0	39.0	34.0	51.4	46.0	41.0	
	kW													
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	mm 87 × 102.4	mm 87 × 102.4	mm 87 × 102.4
Displacement	L 2.435	L 2.435	L 2.435	L 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	mm 934.3 × 566.9 × 726.7	mm 934.3 × 566.9 × 726.7	mm 934.3 × 566.9 × 726.7
Weight (Dry)	Kg 284	Kg 284	Kg 284	Kg 284
Alternator Capacity	V-A 12V - 75A	V-A 12V - 75A	V-A 12V - 75A	V-A 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



L	943.3 mm
W	646.6 mm
H	1136.2 mm

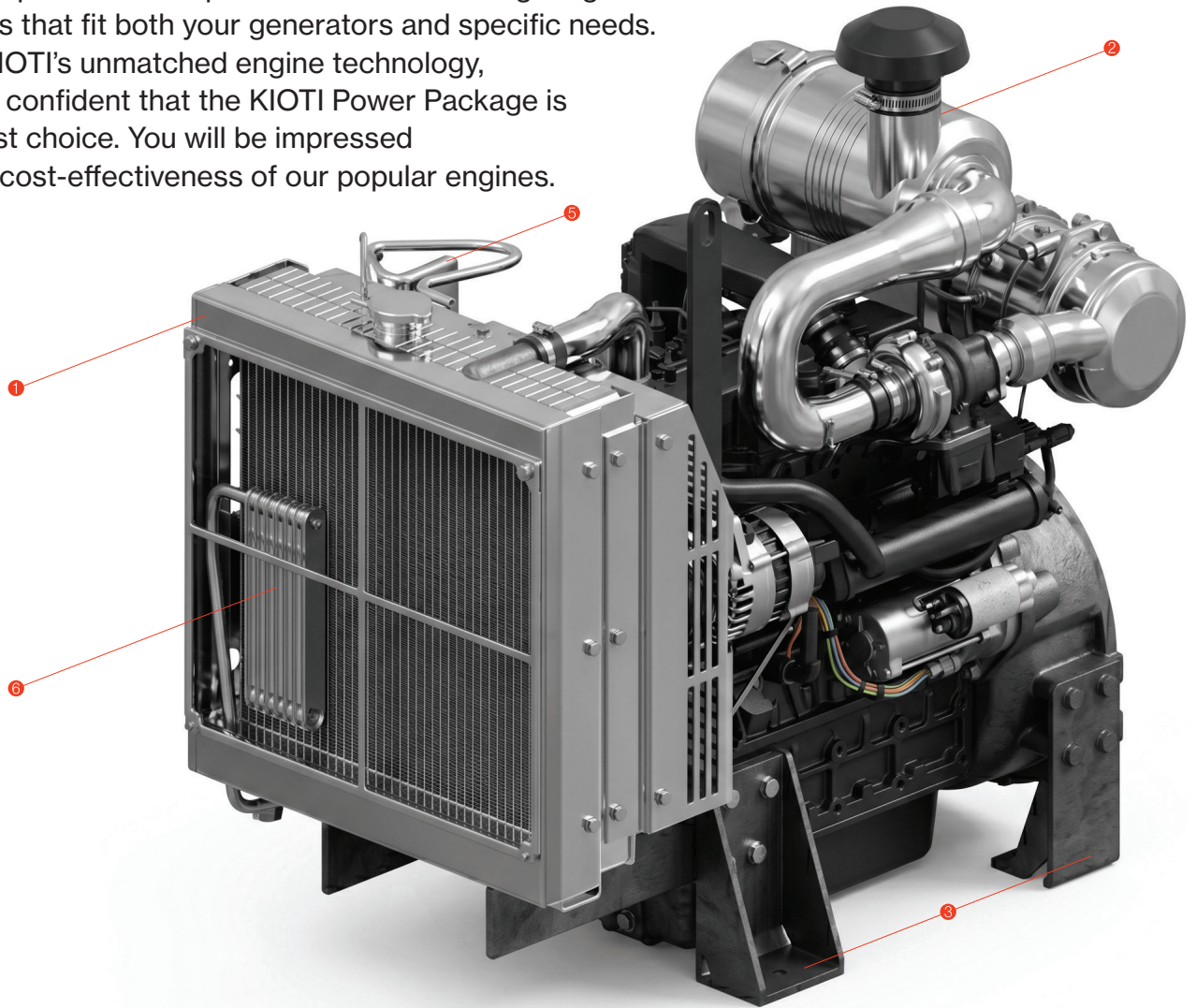
## SPECIFICATION

Model	4J383TAG							
Emission	US Tier4 Final, (EU StageV planned in 2027)			US Tier4 Final, (EU StageV planned in 2027)				
<b>PERFORMANCE DATA</b>								
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	
<b>GENERAL ENGINE DATA</b>								
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"				

# 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.



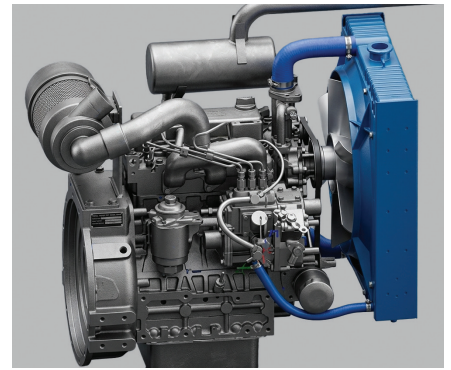
Supply Scope (Engine+Power Pack)

Power Pack Series	Power	Engine Displacement	① Radiator	② Air cleaner	③ Support Brkt.	④ Fuel Filter	⑤ Reserve Tank	⑥ 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

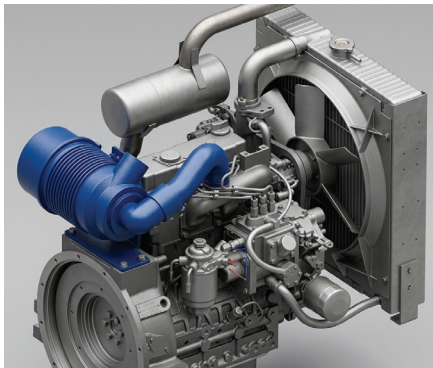
## Configurable Installation Options

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.



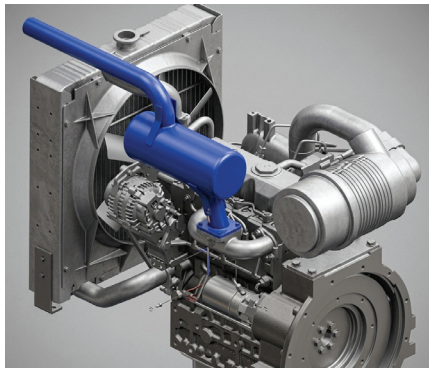
## 1 Radiator

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



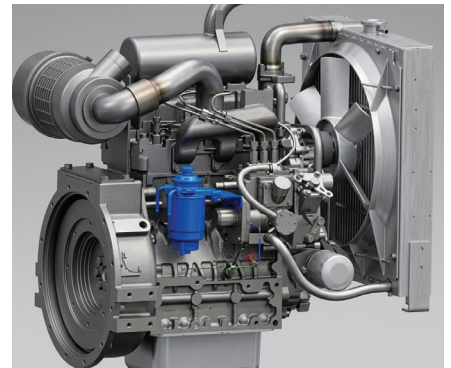
## 2 Air Cleaner

Intake filtration package for dusty field and industrial environments.



## 3 Muffler

Exhaust silencing option for lower noise and easier packaging



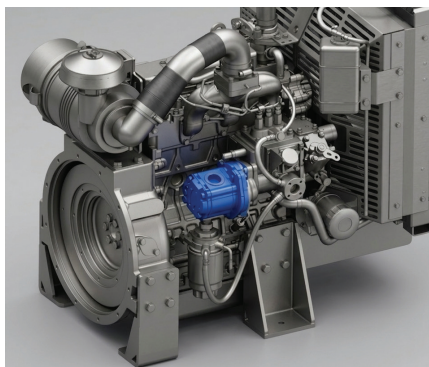
## 4 Fuel Filter

Serviceable fuel filtration to help protect the injection system.



## 5 Wiring Connector

Harness interface kit for faster electrical integration



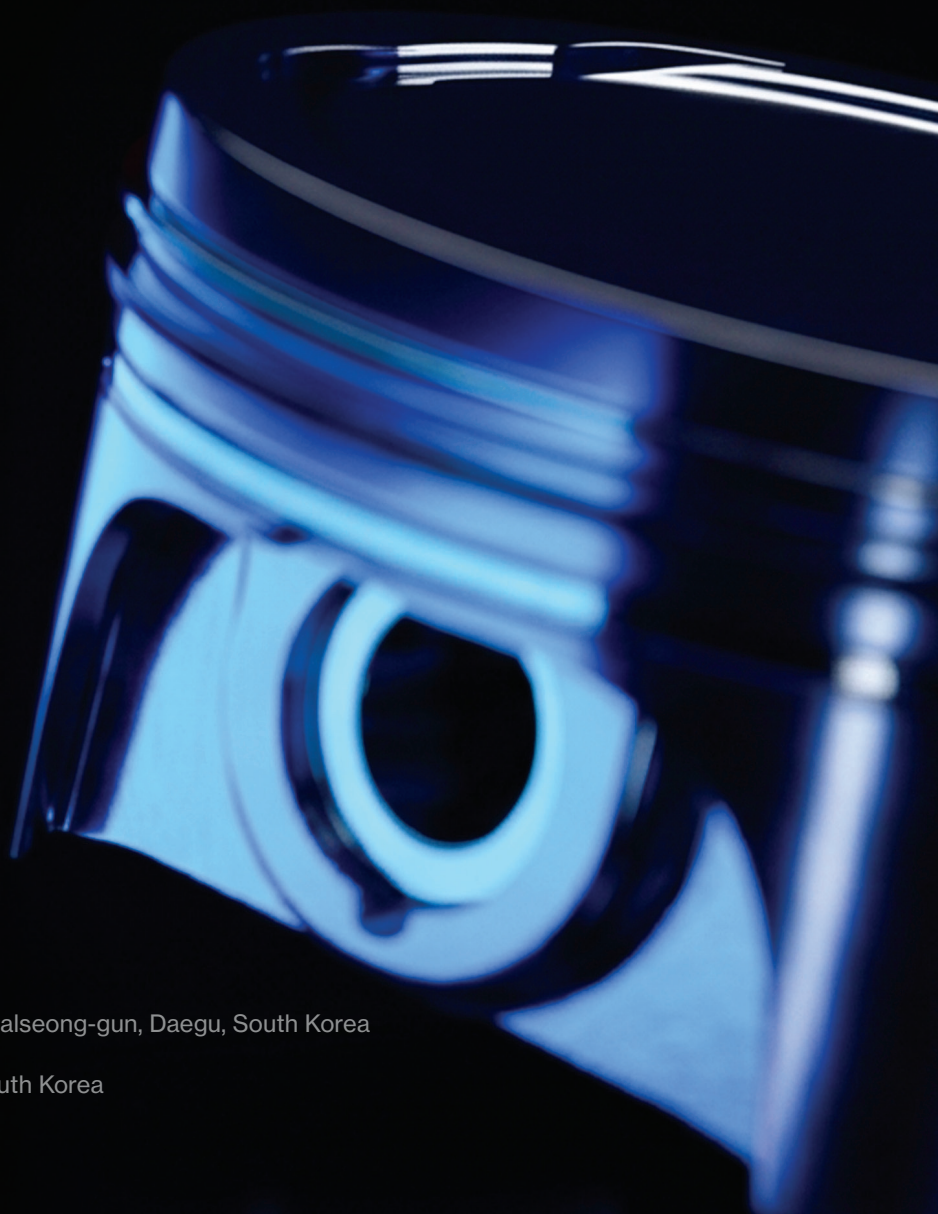
## 6 HP Pump

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.



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