



3L123

Type	Rated RPM	Rated Power (kW/HP)	Max. Torque (N·m/rpm)
3L123-SE4C	3000	18.3 / 24.5	70.0/ 1800



◎ GENERAL ENGINE DATA

▶ Emission Level	EEC : StageV, EPA : Tier4 Final
▶ Engine Type	3-Cylinder, 4-Cycle, In-line, Diesel, Water cooled, N/A
▶ Bore x Stroke	Ø78 x 86 mm
▶ Displacement	1.233 liters
▶ Compression Ratio	22.9 : 1
▶ Combustor Type	In-Direct Injection(Swirl Chamber)
▶ Rotation	Counter clockwise viewed from Flywheel
▶ Dimension (L x W x H)	523 x 453 x 561 mm
▶ Dry Weight	120kg (with Fan)
▶ High Idle Rpm	3200
▶ Low Idle Rpm	1200
▶ Aspiration	N/A
▶ Governor Type	Mechanical Centrifugal
▶ Injection timing	18° BTDC
▶ Alternator Capacity	12V-75A
▶ Firing order	1-2-3
▶ Flywheel housing	SAE No.6
▶ Flywheel	Clutch No.7-1/2

Specifications are subject to change without prior notice

■ CONVERSION TABLE

Power

$$\text{hp} = \text{Kw} \times 1.3405$$

$$\text{kW} = \text{hp} \times 0.7459$$

$$\text{kW} = [\text{torque(Nm)} \times \text{rpm}] / 9549$$

$$\text{hp} = [\text{torque(lb-ft)} \times \text{rpm}] / 5252$$

Torque

$$\text{Nm} = (9549 \times \text{Kw}) / \text{rpm}$$

$$\text{Nm} = 1.3558 \times \text{lb-ft}$$

$$\text{lb-ft} = (5252 \times \text{hp}) / \text{rpm}$$

$$\text{lb-ft} = 0.73756 \times \text{Nm}$$

$$\text{U.G gal} = \text{lit.} \times 0.264$$

$$\text{kW} = 0.2388 \text{ kcal/s}$$

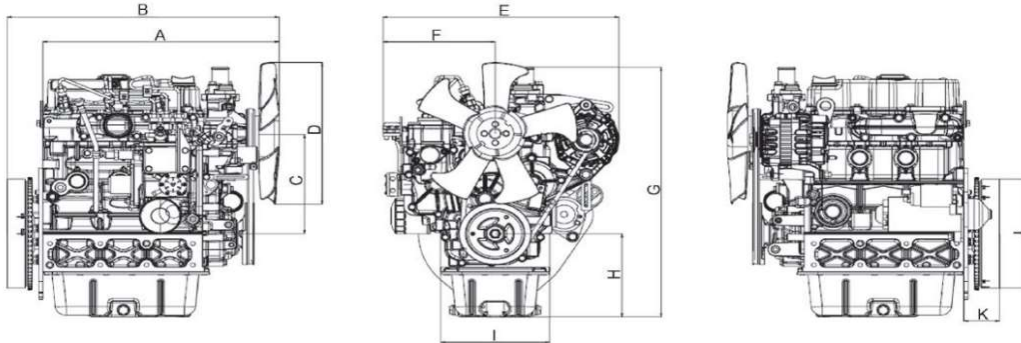
$$\text{lb/PS.h} = \text{g/Kw.h} \times 0.00162$$

$$\text{cfm} = \text{m}^3/\text{min} \times 35.336$$



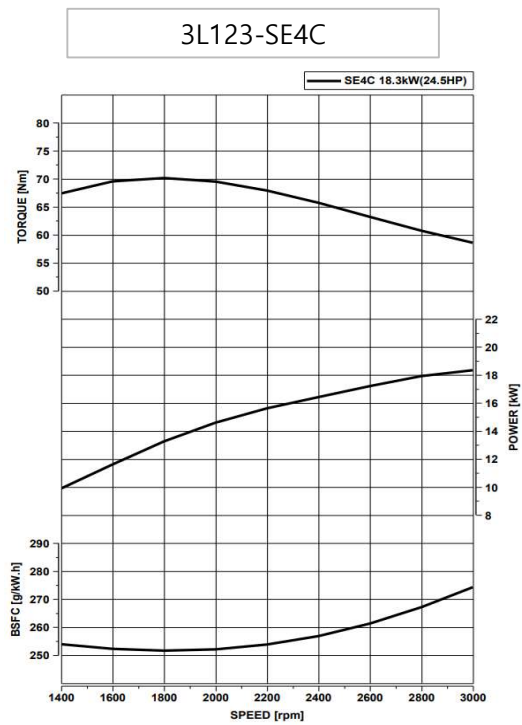
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◆ ENGINE DIMENSION



Designation	A	B	C	D	E	F	G	H	I	J	K
Value	454	523	223	315	453	216	561	187	210	245	69

◆ Performance Curve



Revised on DEC 3, 2023



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