

**daedong**

4H243T



Type	Rated RPM	Ratings (kW/HP)	
		Gross Engine Output	Net Engine Output
4527-2655	2600	45.0 / 60.3	43.7 / 58.5
5021-2655	2600	50.0 / 66.4	48.5 / 65.0
5520-2655	2600	55.7 / 73.1	54.0 / 72.4

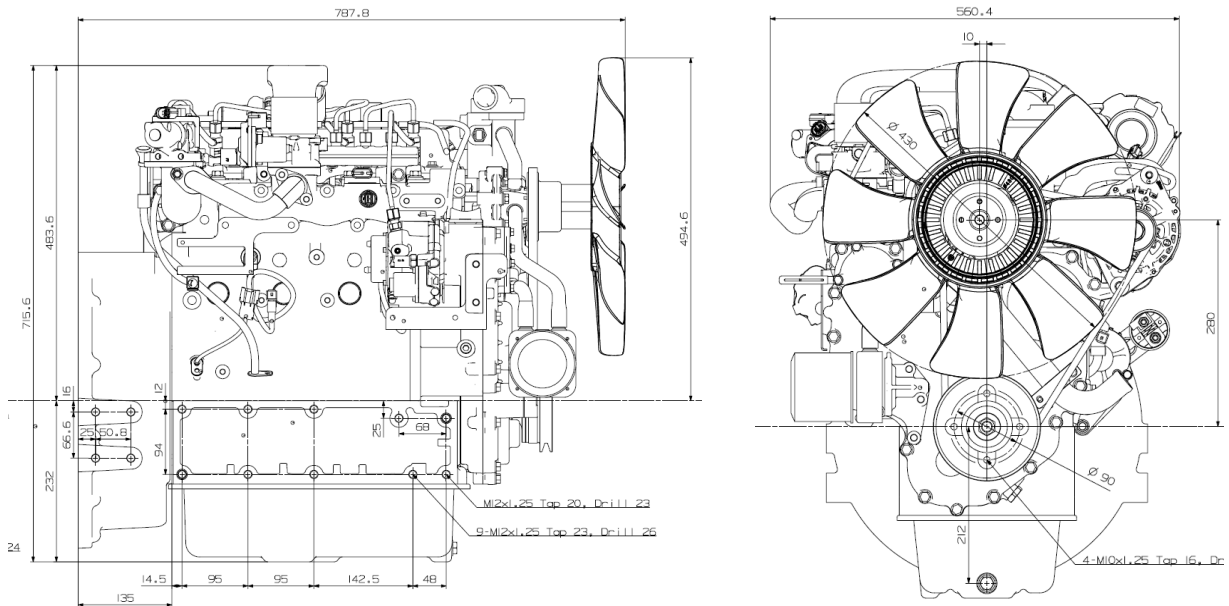
◎ GENERAL ENGINE DATA

▶ Emission Level	EEC : StageV, EPA : Tier4 Final, Korea : Tier4
▶ Engine Type	4-yliner, 4-Cycle, Diesel, Water cooled, Turbo
▶ Bore x Stroke	Ø87×102.4 mm
▶ Displacement	2.435 liters
▶ Compression Ratio	17.4±0.2 : 1
▶ Combustor Type	Common Rail Direct Injection(CRDI)
▶ Rotation	Counter clockwise viewed from Flywheel
▶ Dimension (L x W x H)	787.8 x 560.4 x 715.6 mm
▶ Dry Weight	260kg (with Fan and housing type)
▶ Rated Power [kW(HP)/rpm]	4527-2655 : 45.0(60.3) / 2600 5021-2655 : 50.0(66.4) / 2600 5520-2655 : 55.7(73.1) / 2600
▶ High Idle Rpm	2750±50
▶ Low Idle Rpm	900±50
▶ Max. Torque [N·m(kgf·m)/rpm]	4527-2655 : 210.0(21.4) / 1700±100 5021-2655 : 210.0(21.4) / 1700±100 5520-2655 : 240.5(24.5) / 1700±100
▶ Aspiration	Turbo Charged
▶ Governor Type	Electric Control (ECU)
▶ Injection timing	Auto Control
▶ Alternator Capacity	12V-75A
▶ Firing order	1-3-2-4
▶ Flywheel housing	SAE No.4
▶ Flywheel	Clutch No.7-1/2
▶ After Treatment	CCRT(DOC+DPF)



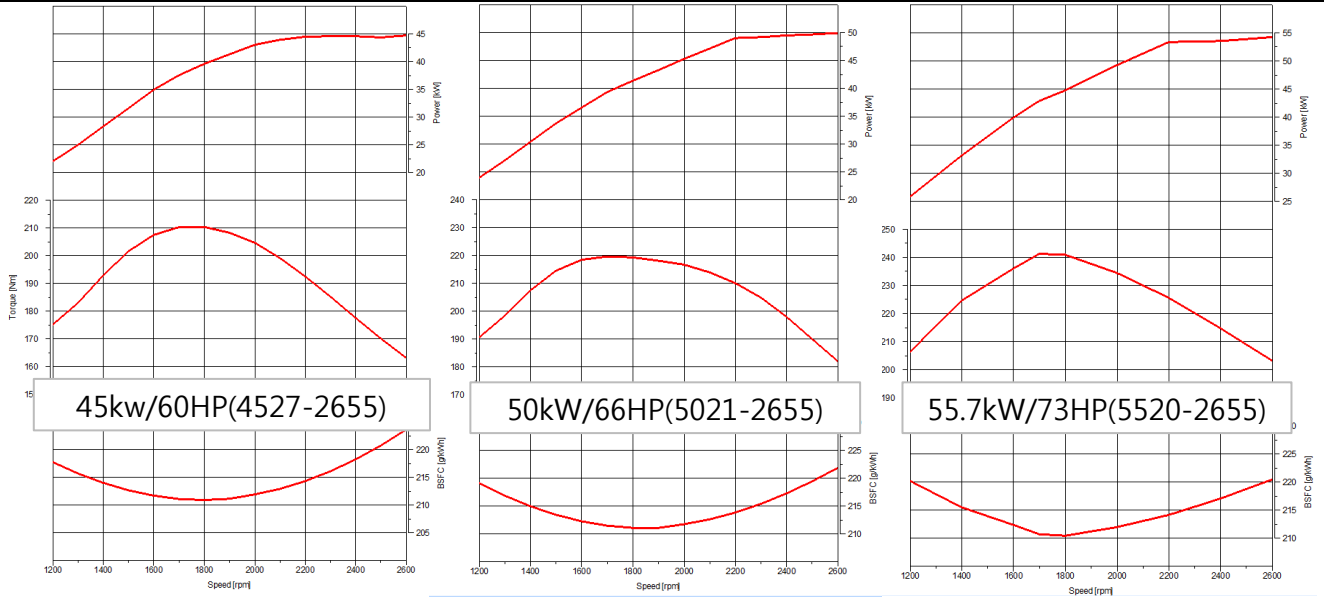
daedong **KIOTI**

◆ **ENGINE DIMENSION**



Designation	Length(L)	Width(W)	Height(H)	Dry weight
Value	787.8	560.4	715.6	260

◆ **Performance Curve**



◆ **CONVERSION TABLE**

in. = mm x 0.0394

PS = kW x 1.3596

psi = kg/cm² x 14.2233

in³ = lit. x 61.02

hp = PS x 0.98635

lb = kg x 2.20462

kW = Kcal/sec x 0.239

lb/ft = N.m x 0.737

U.S. gal = lit. x 0.264

kW = 0.2388 kcal/s

lb/PS.h = g/kW.h x 0.00162

cfm = m³ /min x 35.336

Mpa = Pa x 1000 = bar x 10