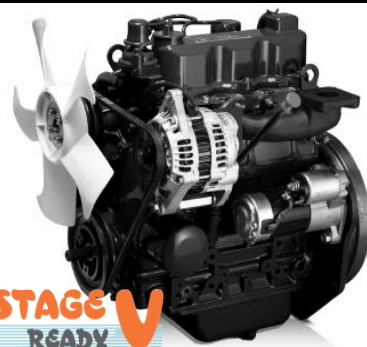


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KIOTI**

3C100



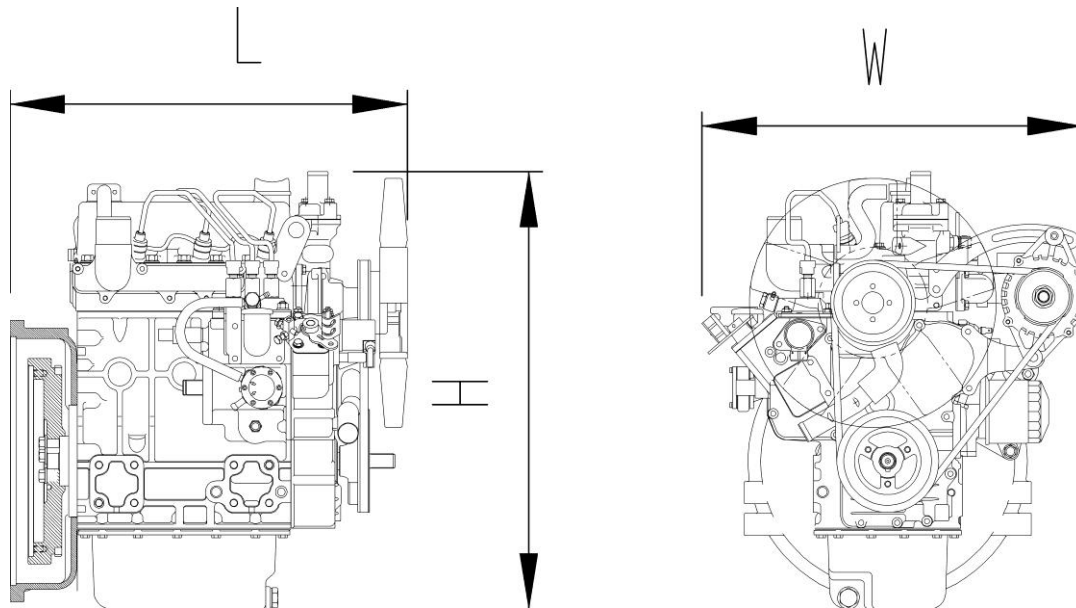
Type	Rated RPM	Ratings (kW/HP)	
		Gross Engine Output	Net Engine Output
1628	2800	16.4 / 22.3	15.7 / 21.3
1630	3000	16.4 / 22.3	15.7 / 21.3
1830	3000	17.9 / 24.3	17.2 / 23.4

◎ GENERAL ENGINE DATA

▶ Emission Level	EEC : StageV
▶ Engine Type	3-Cylinder, 4-Cycle, In-line, Diesel, Water cooled, N/A
▶ Bore x Stroke	Ø75 x 76 mm
▶ Displacement	1.007 liters
▶ Compression Ratio	21:1
▶ Combustor Type	In-Direct Injection(Swirl Chamber)
▶ Rotation	Counter clockwise viewed from Flywheel
▶ Dimension (L x W x H)	515 x 496 x 544 mm
▶ Dry Weight	100kg (with Fan)
▶ Rated Power [kW(HP)/rpm]	16.4(22.3)/2800 / 17.9(24.3)/3000
▶ High Idle Rpm	3200±100
▶ Low Idle Rpm	1100±100
▶ Max. Torque [N·m(kgf·m)/rpm]	1614-2813: 63.8(6.5)/1900±100
	1603-3013: 54(5.5) / 2300±100
	1807-3013: 61(6.2) / 2300±100
▶ Aspiration	N/A
▶ Governor Type	Mechanical Centrifugal
▶ Injection timing	18° BTDC
▶ Alternator Capacity	12V-75A
▶ Firing order	1-2-3
▶ Flywheel housing	SAE No.5
▶ Flywheel	Clutch No.7-1/2
▶ Number of teeth on flywheel	98

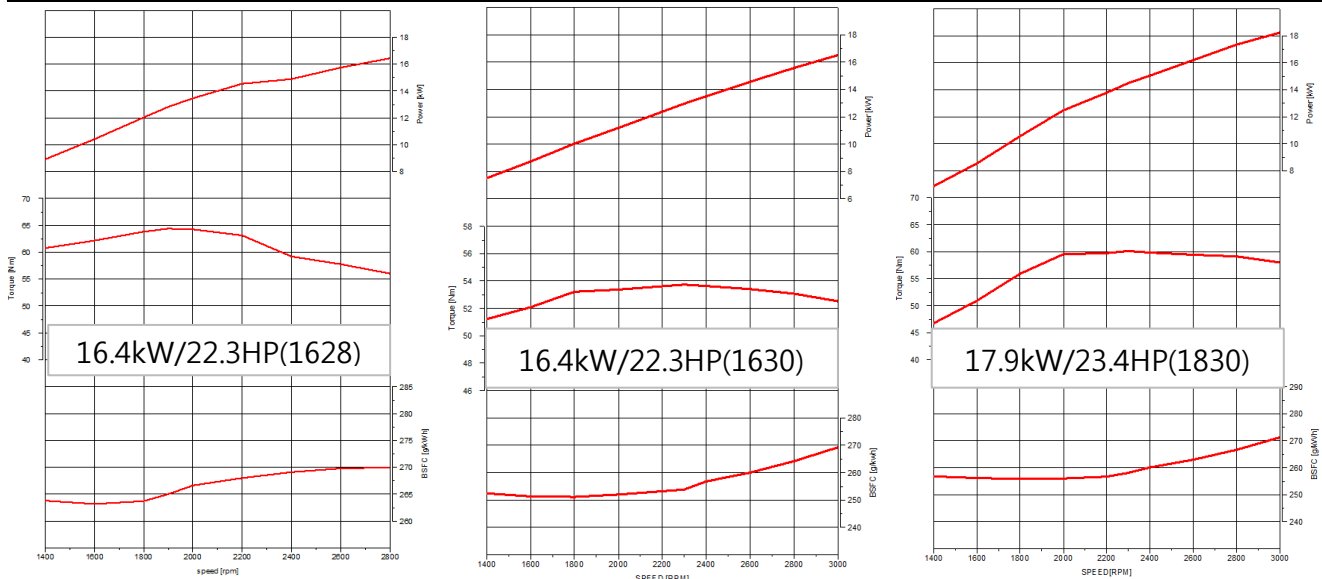


◆ ENGINE DIMENSION



Designation	Length(L)	Width(W)	Height(H)	Dry weight
Value	515mm	496mm	544mm	100kg

◆ 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