

4D30、4D32、4D35 Series natural aspirated diesel engine data sheet:

Model	4D32G31	4D30G31	4D30T31/504	4D30T31/483	4D30T31/453	4D32T31/502	4D32T31/483	4D32T31/453	4D35T31/502
Type	In-line, water cooled, 4-stroke, direct injection, ring-like platform combustion chamber								
Aspiration	Natural aspiration								
No. of cylinders-bore-stroke (mm)	4-98 × 105	4-95 × 105				4-98 × 105		4-98 × 115	
Total displacement (L)	3.17	2.98				3.17		3.47	
Firing order	1-3-4-2								
Compression ratio	18.5:1								
Rated power/speed (kW -r/min)	36.8-2500	36.8-2500	36.8-2400	35.3-2300	33.1-2300	36.8-2200	35.3-2300	33.1-2300	36.8-2200
Max. torque (N · m)	≥186	≥174	≥176	≥165	≥165	≥200	≥176	≥165	≥192
Max. torque speed(r/min)	1600 ~ 1800	1600 ~ 1800	1600 ~ 1800						
Fuel consumption (g/kW · h)	Rated point	≤235							
	Max. torque	≤220							
Max.smoke at full load (RB)	≤2.5								
Free Acceleration Smoke (RB)	≤3.0								
Emission	GB 20891-2014 Non road stage III								
Min. steady idle speed (r/min)	750 ± 30								
Direction of crank rotation viewed from flywheel end	counterclockwise								
Noise dB(A)	≤111								
Cooling system	closed cycle, forced water cooling								
Lubricating system	pressured and splashed								
Starting system	Electric motor								
Net weight (kg)	260		330						
Dimension length*width*height (mm)	758 × 584 × 700		797 × 726 × 729						
Application	Forklift		Tractor						