

# ENGINE OF STEYR TRUCKS

No.	Series	WD615															WD618		
1	Model	00,20	61	71	64.74	67	77	63.73	68.78	64A	61A	67A	68A	61B	68B	78	46	42	
2	Rated Output kW(ps)	148	190	190	175	206	206	204	225	175	193	206	225	193	225	225	360	420	
3	Power DIN(HP)		260	260		280	280		310							310			
4	Description	6-cylinder inline, 4-stroke, water cooling, direct injection,dry-liner diesel engine																	
5	Air Intake Method	natural intake	Turbo Charged			Turbo Charged Inter-cooler			Inter-cooler,Low Trublence Cylinder Head										
6	Bore × Stroke		126×130															126×155	
7	Displacement		9726ml															11596ml	
8	Rated Revolution(rpm)	2600	2600	2600	2200	2400	2400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	
9	Max. Torque Output	620	830	830	1000	1070	1070	1160	1250	1000	1100	1160	1250	1100	1250	1250	1460	1750	
10	RPM Range	1400-500	1600-1700	1600-1700	300-140	1400-1500	1400-1500	1300-1400	1300-1400	1300-1600	1300-1600	1300-1600	1300-1600	1200-1400	1300-1600	1300-1400	1300-1600	1300-1600	
11	Emission Index	EURO 0						EURO I				EURO II							
12	Mean piston speed m/s	11.27			9.53	10.4			9.53										
13	Compression ratio	16:1			15.5:1			16:1			15.5:1								
14	Compressed pressure kPa	>2000																	
15	Ignition order	1-5-3-6-2-4																	
16	Valve clearance at cold state mm	Intake 0.3; Exhaust 0.4																	
17	Valve phase	Intake valve open BTDC 34°-39°, Intake valve close ABDC 61°-67°; Exhaust valve open BBDC76°-81°, Exhaust valve close ATDC26°-34°																	
18	Thermostat opening temperature °C	80 or 71																	
19	Starting method	Electric start																	
20	Lubricating method	Pressure lubrication																	
21	Oil sump capacity L	19																	
22	Cooling method	Water-cooled forced circulation																	
23	Oil pressure kPa	350-500																	
24	Oil pressure in idling kPa	≥100kPa																	
20	Exhaust temprature after turbine °C	≤650,no turbocharger	www.TRUCKPART.CN															≤550	
21	permitted longitudinal gradient (front/rear)	Long period 10/10							short-period 30/30										
22	permitted cross gradient(Exhaust manifold side/Injection pump side)	Long period 45/5							short-period 45/30										
23	Crankshaft rotating direction (view from free-end)	Clockwise																	
24	Overall dimensions	Length	1510	1542	1557	1542													
		Width																675	
		Height																965	
25	Engine Oil Pump		1-stage, road purpose	2-stage,off road purpose	1-stage,road purpose	2-stage, off road purpose		2-stage, off road purpose								2-stage, off road purpose	1-stage	1-stage	
26	Fan Position		Water Pump Drive	Crank-shaft Drive	Water Pump Drive			Water Pump Drive								Equipped	Water Pump Drive	Water Pump Drive	
27	Oil Sump Protection Grill		Not Equipped	Equipped	Not Equipped	Equipped		Not Equipped									Not	Not	
28	Compatiple Clutch		GF420X						GF420B									RT-11509C	GF430
29	Compatiple Gearbox		ZF S6-90 7GS100A	RT-11509C	RT-11509C	RT-11509C		RT-11509C									RT-11509C	9JS180	