

Feidong Diesel engines

Model		295T	295G	295GA	295GB	295GJ	295G-2
Type		Vertical,water cooling,four stroke,swirl chamber					
Number of cylinder		2					
Cylinder bore(mm)		95					
Piston stroke(mm)		115					
Total displacement(L)		1.63					
Compression ratio		18~20					
Rated power/speed kW/rpm		12 hr power					
		17.6/2000	18/2000	17.6/2000		18/2000	
Fuel specific consumption at rated output g/kW · hr	Qualified product	≤265.2	≤258.4	≤265.2		≤258.3	
	First rate	≤258.4	≤253	≤258.4		≤253	
	High class						
Max torque(N · m)		≥96.9					
Max torque speed(rpm)		≤1500					
Max no-load speed (rpm)		≤2160					
Idling speed(rpm)		≤600					
Direction of rotation(face on end of power output)		Counterclockwise					
Cooling manner		Forced water cooling					
Lubricating manner		Pressure and splash combined					
Starting manner		Elec.	Elec. and Hand	Elec.		Hand	
Net mass(kg)		≤280	≤380	≤395	≤355	≤310	≤365
Main applications		Tractor	Farm products processing.agriculture irrigation. Engineering machinery				

1-3 Main Technical specifications and Applications of Model 295A Diesel Engines

Model		295TA	295A	295A-1	295A-2	295A-3	295A-4
Type	Vertical,water cooling,four stroke,direct injection chamber						
Number of cylinder	2						
Cylinder bore(mm)	95						
Piston stroke(mm)	115						
Total displacement(L)	1.63						
Compression ratio	17						
Rated power/speed (kW/rpm)	12 hr power						
	20/2200						
Fuel specific consumption at rated output (g/kw · hr)	Qualified product	≤250	≤243.2	≤250	≤243.2		
	First rate	≤243.2	≤236.4	≤243.2	≤236.4		
	High class						
Max torque(N · m)	≥99.8						
Max torque speed(rpm)	≤1650						
Max no-load speed (rpm)	≤2376						
Idling speed(rpm)	≤700						
Direction of rotation(face on end of power output)	Counterclockwise						
Cooling manner	Forced water cooling						
Lubricating manner	Pressure and splash combined						
Starting manner	Elec.	Elec. and Hand	Hand	Elec.	Hand		
Net mass(kg)	≤280	≤380	≤310	≤395	≤355	≤365	
Main applications	Tractor	Farm products processing agriculture irrigation. Engineering machinery					

295A-5	295A-6	295BA	295CA	295C.A	295DA	295D.A	295D.A	295YA	
Vertical,water cooling,four stroke,direct injection chamber									
2									
95									
115									
1.63									
17									
12hr power			Continuous power		12hr power		1hr power		
20/2200			15.6/2000		16.5/2000		13.5/1500		
16/1800			16/1800		16/1800		20/2200		
≤243.2			≤250		≤243.2		≤250		
≤236.4			≤243.2		≤236.4		≤243.2		
								≥99.8	
								≤1540	
≤2376			≤2220		≤1575		≤1890		
					≤2100		≤2376		
≤700									
Counterclockwise									
Forced water cooling									
Pressure and splash combined									
Elec. and Hand		Elec.		Elec. and Hand		Elec.			
≤300		≤295		≤340		≤350		≤295	
						≤340		≤340	
								≤340	
Inland river dredgers		Air pump unit		Marine engine unit		Generating sets		Farm trucks	
								Farm trucks	

Engines

Model		295T	295G	295GA	295GB	295GJ	295G-2	295G
No. 1 Fuel injection pump	Model	BF2180ZR						
	Type	Hypotenuse fuel cut-off, regulating arm adjust						
	Plunger diameter(mm)	8						
Fuel pump	Model							
	Type							
Governor	Model	TIF250-1000TX	TIF250-1000ZX					
	Type	All-speed centrifugal						
	Steady governing rate(%)	≤8						
Fuel injection	Model	ZS4SI						
	Type	Single-hole pintle type						
Oil pump	Model	JZK1018						
	Type	Single stage,radial,gear-within-gear rotary pump						
	Speed(rpm)	1905						
	Pressure(Kpa)	294						
	Displacement (L/min)	10.98~13.02						
Cooling water pump	Type	Centrifugal,volute,single stage						
	Speed(rpm)	2790						
	Delivery lift(m)	5						
	Displacement (L/min)	55.8						
Thermostat	Model	155D		155D				
	Initial open temperature(°C)	70±2		70±2				
	Full open temperature(°C)	82±2		82±2				
Oil filter	Type	Single stage paper filter cartridge						
	Model	J0810II						
Fuel filter	Type	Single stage paper filter cartridge						
	Model	C0708						
Air filter	Type	3-stage net cartridge oil-bath	Single stage,dry					3-stage net cartridge oil-bath
	Model		K1706					