RD304(3D1104-4)Engine technical parameters

No.	Item	specification
1	Model	3D1104-4
2	Type	Vertical、in-line、water cooling、4 stroke
3	Induction type	NA
4	Combustion chamber	IDI
5	Cylinder-Bore(mm)×Stroke(mm)	3-76×78.4
6	Valve per cylinder	2
7	Displacement L	1.067
8	Compress ratio	24:1
9	Dry weight kg	90
10	Dimension （L×W×H） mm	476×403×549
11	Lubrication system	Pressure and splash combination
12	Start type	E-start
13	Speed governor	E-governor
14	Oil capacity(L)	3.3L
15	Fire order	1—2—3
16	Crankshaft direction	Anticlockwise(face the flywheel)
17	Prime power(kW)/speed（r/min）	16.3/2600
19	BSFC min fuel consumption (g/kW·h)	≤275
20	Oil consumption(g/kW·h)	≤0.2
21	Min. Adjustble no-load speed(r/min)	1350
22	Fuel type	Summer：GB 252-2000 or 0#、10#light diesel, Winter：GB 252-2000 or 0#,-10#,-20#,-35#light diesel
23	Oil type	Recomend CF-4
24	Speed drop %	≤10
30	Maximum allowable intake resistance kPa	2
31	Maximum allowable exhaust back pressure kPa	5
32	Smoke FSN	≤3.5
34	Starter power kW	1.2
35	Alternator kW	0.5(40A)
36	Voltage V	12
38	Emission level	Off-road China IV
Note:With the progress of technology, the above indicators will be continuously improved and updated.		