RAYWIN

4D24T03/A series engine（industrial）

No.	Item	specification
1	Engine model	4D24T03/A
2	type	Vertical, in-line, water-cooled, four-stroke
3	Induction system	turbocharged
4	Combustion chamber	DI
5	Cylinder-borexstroke	4-87×103
6	Valve per cylinder	2
7	Displacement L	2.45
8	Compress ratio	17.8：1
9	dimension（L×W×H）mm	1001×573×803（With Radiator and air filter）
10	Dry weight kg	265（With Radiator、air filter）
11	Lubricating system	pressure and splash lubrication
12	Cooling system	Forced water cooling closed cycle
13	Start type	Electronic start 12V 2.3kw
14	alternator	14V 70A（14V 90A options）
15	Fuel system	Stanadyne DB4 Pump
15	Oil capacity L	9.5
16	Cooling capacity L	8.5(Includes engine and radiator)
17	Fire order	1—3—4—2
18	Crank Rotation	CCW (from flywheel)
19	Speed@Rated power r/min	48/2700
20	Torque/speed N.m/r/min	210/1600~1800
21	BSFC.(g/kW·h)	≤235
22	oil consumption(g/kW·h)	≤0.2
23	min. adjustable no-load speed (r/min)	850
24	speed drop %	≤10
25	Max. Allowable inlet pressure kPa	5
26	Max. Allowable exhaust pressure kPa	10
24	FSN	≤2.0
28	Noise Limit Lp dB(A) (bared engine) （1M）	≤92
29	Fuel type	Summer： a product 0#、10# light diesel oil, Winter： a product 0#、-10# -20#、-35# light diesel oil.
30	Oil type	Summer:15W/40CF Winter:0W/30CF
31	Battery Type	Common region：Battery capacity(Ah) ≥≥120；Cold starting current (A) 570 Plateau or alpine region：Battery capacity(Ah) ≥180；Cold starting current (A) 622
32	applicable altitude m	≤2000（If it exceeds, please press the power correction curve）