

## 4D24T Marine Propulsion Technical Data Sheet

NO.	Items	Specifications	
1	Model	4D24T00/F	
2	Type	Vertical, In-line, Water Cooled, Four Stroke	
3	Induction System	Turbo Charged	
4	Emission	N/A	
5	Prime Power(kW)/speed (r/min)	48kW/2700rpm	
6	Combustion Chamber	Direct injection, "ω" combustion chamber	
7	Cylinder NO. - Bore Å~ Stroke	4-87×103	
8	Valve NO. per cylinder	2	
9	Displacement (L)	2.45	
10	Compression ratio	17.8:1	
11	Lubricating system	Splash and Pressure	
12	Start method	Electronic start	
13	Speed governor type	Mechanical	
14	Fuel System	Stanadyne Mechanical Pump	
15	Oil capacity (L)	9.5L	
16	Oil Consumption (g/kw.h)	≤0.4	
17	Firing order	1—3—4—2	
18	Fuel Consumption (g/kw.h)	≤220	
19	Direction of rotation	Anticlockwise (Facing the flywheel)	
20	Fuel type	Summer: a product 0#, 10# light diesel fuel Winter: a product 0#, -10# -20#, -35# light diesel fuel	
21	Oil type	Summer:15W/40CF Winter:0W/30CF	
22	Speed drop %	≤8	
23	The related speed drop range %	≥5.5	
24	The related speed rise range %	≥2.5	
25	Steady-state speed volatility %	≤1.5	
26	(Under the rated speed) Transient speed deviation %	100% Reduce the power suddenly	≤+10
27		Increase the power suddenly	≤-7
28	Speed recovery time s	≤3	
28	Maximum allowable inlet resistance kPa	5	
29	Maximum allowable exhaust pressure kPa	10	
30	Smoke intensity of standard operating condition FSN	≤3	
31	Noise Limit Lp dB(A) (bared engine) (1M)	≤92	