

ENGINE SPECIFICATIONS : 3TNV74F-SDKTF2

COMPANY NAME			TONG YANG MOOLSAN	
ENGINE MODEL			3TNV74F-SDKTF2	
UNIT MODEL NAME			KO	
TYPE OF MACHINE			TRACTOR	
1	TYPE		Vertical in-line 4-cycle water-cooled diesel engine	
2	Combustion System		SPECIAL SWIRL TYPE	
3	Aspiration		NATURAL ASPIRATION	
4	No. of Cylinders-Bore x Stroke		n - mm x mm	3-74x77
5	Displacement		Liter	0.993
6	Rated Engine Speed		rpm	3000
7	Output	Rated Output	kW(ps)	12.8 (17.4)
		Cont. Rating		-----
8	Idling Speed	High	rpm	3235 +25/-25
		Low		1350 +25/-25
9	Specific Fuel Consumption		g/kW·h(g/ps·h)	<= 279 (205)
10	Exhaust Gas Temperature	Rated Output	degree C	<= 560
		Cont. Rating		-----
11	Compression Ratio		-----	23.1 (Effective 21.3)
12	Fuel Injection Timing		degree	0+1.0/-1.0 FIC(Air 19.5+1.0/-1.0 FID 18.5+1.0/-1.0 FIR 9
13	Fuel Injection Pressure		MPa (kgf/cm ²)	12.3 +1.0/ 0 (125.4 +10.2/ 0.00)
14	Rotation Direction		VIEWED FROM FLYWHEEL SIDE LEFT	
15	Main power Take Off		ANTI FLYWHEEL SIDE	
16	Governor		CENTRIFUGAL ALL SPEED TYPE	
17	Cooling System		RADIATOR COOLING	
18	Lubricating System		FORCIBLE LUBRICATION BY TROCHOID PUMP	
19	Starting System		Electric startin(starting motor 12VDC-1.0kW)	
20	Charging System		IC REGULATOR BUILT-IN TYPE (DC12V -40A)	
21	Starting Aid System		GLOW PULG (SUPER QUICK GLOW PULG)	
22	Lube Oil Pressure	Rated Speed	MPa (kgf/cm ²)	0.34 +0.1/-0.1 (3.467 +1.02/-1.02)
		Low idle Speed		-----
23	Oil Pan Capacity		Liter	Max 2.1 Effective 0.8
24	Cooling Water Capacity		Liter	Engine 0.9
25	Fan type-Dia. x No. of Blades		mm	PULLER- DIA 335x7(ID mark :YC
26	Crank Pulley / fan Pulley		mm / mm	110O.D. / 100 O.D. Spacer mm thick
27	Sound Level (Engine Itself)		dB(A)	Rated Output <= 85.5
				Idling, High<= 84.5 Low<= 74.5
28	Smoke Density		(Bosch)	<= 1.8
29	Engine Color		YANMAR BLACK	
30	Air Cleaner		AIR CLEANER 4 INCHES RESIN S (OPTION)	
31	Muffler			
32	Flywheel		DIA 252ID mark 4P01	
33	Radiator		24600kcal/h (オプ ション)(オプ ション)	
34	C.W. Temp. switch		WATER TEMPERATURE SWITCH 110 °C ON PLUG TERMINAL	
35	C.W. Temp. sender			
36	Oil Press Switch		kg/cm ²	OIL PRESSURE SWITCH 0.5kg/cm2 PLUG TERMINAL (INSTALLED)
37	Fuel Filter		(キツキ)	
			WATER SEPARATOR (INCLUDED)	

#27:Sound measurement at 1m from engine outer face,
5 directions