

# ENGINE SPECIFICATIONS : 3TNV88C-DKTF

COMPANY NAME			TONG YANG MOOLSAN	
ENGINE MODEL			3TNV88C-DKTF	
UNIT MODEL NAME			T384	
TYPE OF MACHINE			TRACTOR	
1	TYPE		Vertical in-line 4-cycle water-cooled diesel engine	
2	Combustion System		DIRECT INJECTION TYPE	
3	Aspiration		NATURAL ASPIRATION	
4	No. of Cylinders-Bore x Stroke		n - mm x mm	4-88x90
5	Displacement		Liter	2.189
6	Rated Engine Speed		rpm	3000
7	Output	Rated Output	kW(ps)	----- ( 0.0)
		Cont. Rating		-----
8	Idling Speed	High	rpm	3150 +10/-10
		Low		950
9	Specific Fuel Consumption		g/kW·h(g/ps·h)	<= 256 ( 188)
10	Exhaust Gas Temperature	Rated Output	degree C	<= 615
		Cont. Rating		-----
11	Compression Ratio		-----	19.1 (Effective 17.2)
12	Fuel Injection Timing		degree	FIR 8.5+1.0/-1.0
13	Fuel Injection Pressure		MPa (kgf/cm <sup>2</sup> )	
14	Rotation Direction			VIEWED FROM FLYWHEEL SIDE LEFT
15	Main power Take Off			FLYWHEEL SIDE
16	Governor			COMMON RAIL ECU
17	Cooling System			RADIATOR COOLING
18	Lubricating System			FORCIBLE LUBRICATION BY TROCHOID PUMP
19	Starting System			Electric startin(starting motor 12VDC-1.4kW)
20	Charging System			IC REGUALTOR BUILT-IN TYPE (DC12V -55A)
21	Starting Aid System			GLOW PULG (SUPER QUICK GLOW PULG)
22	Lube Oil Pressure	Rated Speed	MPa (kgf/cm <sup>2</sup> )	0.36 +0.1/-0.05 (3.671 +1.02/-0.51)
		Low idle Speed		-----
23	Oil Pan Capacity		Liter	Max 4.0                      Effective 2.0
24	Cooling Water Capacity		Liter	Engine 2.0
25	Fan type-Dia. x No. of Blades		mm	PULLER- DIA 380x7(ID mark :YA
26	Crank Pulley / fan Pulley		mm / mm	120O.D. / 110 O.D. Spacer mm thick
27	Sound Level (Engine Itself)		dB(A)	Rated Output <= 93
				Idling, High<= 89.5 Low<= 76      Rated Output <=
28	Smoke Density		(Bosch)	<= 2.2
29	Engine Color			YANMAR BLACK
30	Air Cleaner			SEE SPEC SHEET (CUSTOMER-ARRANGED)
31	Muffler			(INSTALLED)
32	Flywheel			DIA 289ID mark 4K10
33	Radiator			(キヤクサキテハイ)
34	C.W. Temp. switch			
35	C.W. Temp. sender			スイオンセンサ
36	Oil Press Switch		kg/cm <sup>2</sup>	OIL PRESSURE SWITCH 0.5kg/cm <sup>2</sup> FLAT TERMINAL
37	Fuel Filter			(キット)

WATER SEPARATOR (CUSTOMER-ARRAN

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