

# ENGINE SPECIFICATIONS : 4TNV86CT-KKTF

COMPANY NAME			TONG YANG MOOLSAN	
ENGINE MODEL			4TNV86CT-KKTF	
UNIT MODEL NAME				
TYPE OF MACHINE			TRACTOR	
1	TYPE		Vertical in-line 4-cycle water-cooled diesel engine	
2	Combustion System		DIRECT INJECTION TYPE	
3	Aspiration		EXHAUST GAS TURBINE SUPERCHARGING	
4	No. of Cylinders-Bore x Stroke		n - mm x mm	4-86x90
5	Displacement		Liter	2.091
6	Rated Engine Speed		rpm	2800
7	Output	Rated Output	kW(ps)	41.1 ( 55.9)
		Cont. Rating		-----
8	Idling Speed	High	rpm	2830 +10/-10
		Low		950 +10/-10
9	Specific Fuel Consumption		g/kW·h(g/ps·h)	<= 245 ( 180)
10	Exhaust Gas Temperature	Rated Output	degree C	<= 540
		Cont. Rating		-----
11	Compression Ratio		-----	19.1 (Effective 17.3)
12	Fuel Injection Timing		degree	FIT FIR
13	Fuel Injection Pressure		kPa (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-2.3kW)
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	kPa (kgf/cm <sup>2</sup> )	0.372 +0.10/-0.05 (3.793 +1.02/-0.51)
		Low idle Speed		-----
23	Oil Pan Capacity		Liter	Max 5.8                      Effective 2.3
24	Cooling Water Capacity		Liter	Engine 2.7
25	Fan type-Dia. x No. of Blades		mm	- DIA x (ID mark :
26	Crank Pulley / fan Pulley		mm / mm	120O.D. / 110 O.D. Spacer mm thick
27	Sound Level (Engine Itself)		dB(A)	Rated Output <= 90.5
				Idling, High<= 87.0 Low<= 79.0
28	Smoke Density		(Bosch)	<= 1.9
29	Engine Color			YANMAR BLACK
30	Air Cleaner			AIR CLEANER 7 INCHES RESIN W (CUSTOMER-ARRANGED)
31	Muffler			(CUSTOMER-ARRANGED)
32	Flywheel			DIA 316ID mark 4N14
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/cm2 FLAT TERMINAL (INSTALLED)
37	Fuel Filter			(キツキ)
				WATER SEPARATOR (INCLUDED)

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