

ENGINE SPECIFICATIONS : 3TNV80F-SDKTF

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|-----------------|--------------------------------|----------------|---|---|-----------------|
| COMPANY NAME | | | TONG YANG MOOLSAN | | |
| ENGINE MODEL | | | 3TNV80F-SDKTF | | |
| UNIT MODEL NAME | | | T254 | | |
| 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 | 3-80x84 | |
| 5 | Displacement | | Liter | 1.266 | |
| 6 | Rated Engine Speed | | rpm | 3000 | |
| 7 | Output | Rated Output | kW(ps) | 17.8 (24.2) | |
| | | Cont. Rating | | ----- | |
| 8 | Idling Speed | High | rpm | 3235 +25/-25 | |
| | | Low | | 1200 +25/-25 | |
| 9 | Specific Fuel Consumption | | g/kW·h(g/ps·h) | <= 282 (207) | |
| 10 | Exhaust Gas Temperature | Rated Output | degree C | <= 560 | |
| | | Cont. Rating | | ----- | |
| 11 | Compression Ratio | | ----- | 23.1 (Effective 21.3) | |
| 12 | Fuel Injection Timing | | degree | C(N2 19.0+1.0/-1.0 FIC(Air 18.5+1.0/-1.0 FID 17.5 FIR 8 | |
| 13 | Fuel Injection Pressure | | kPa (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 | | 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-1.2kW) | | |
| 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 | kPa (kgf/cm ²) | 0.34 +0.10/-0.10 (3.467 +1.02/-1.02) | |
| | | Low idle Speed | | ----- | |
| 23 | Oil Pan Capacity | | Liter | Max 3.4 Effective 1.6 | |
| 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 <= | Rated Output <= |
| | | | | Idling, High<= 86.0 Low<= 85.5 | |
| 28 | Smoke Density | | (Bosch) | <= 1.8 | |
| 29 | Engine Color | | YANMAR BLACK | | |
| 30 | Air Cleaner | | AIR CLEANER 5 INCHES RESIN S (OPTION) | | |
| 31 | Muffler | | (OPTION) | | |
| 32 | Flywheel | | DIA 295ID mark 4W01 | | |
| 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 | | (キッキ) | | |
| | | | WATER SEPARATOR NONE | | |

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