

NET INTERMITTENT POWER  
Potencia Neta Intermitente

82.7 hp  
61.7 kW

RATED SPEED  
Velocidad de Regimen

2500 RPM

## 4TNV98T-ZNSAD

SPECIFICATION  
Especificacion

ZNSA

CYLINDERS  
Cilindros

4

BORE X STROKE  
Diámetro x Carrera

3.9 X 4.3 (in)  
98 X 110 (mm)

DISPLACEMENT  
Cilindrada

202.5 (ci)  
3319 (cc)

COMBUSTION TYPE  
Tipo de Combustion

Direct Injection  
Inyeccion Directa

ASPIRATION  
Aspiracion

Turbo Charged  
Turbocargado

GOVERNOR TYPE  
Tipo de Gobernador

Electric  
Elctrico

Lubrication System

11.2L Capacity Deep Oil Pan

Electrical System

12V, 55 Amp Alternator

Fuel System

Distributor-Type MP4 Fuel Injection Pump

Cooling System

Water Pump, Belt Driven

Power Take Off

FWH-SAE #4 t=158  
FW-SAE 11.5" CMP

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Engine photo may not reflect actual specifications.  
IE-4TNV98T-ZNSAD-SS0214

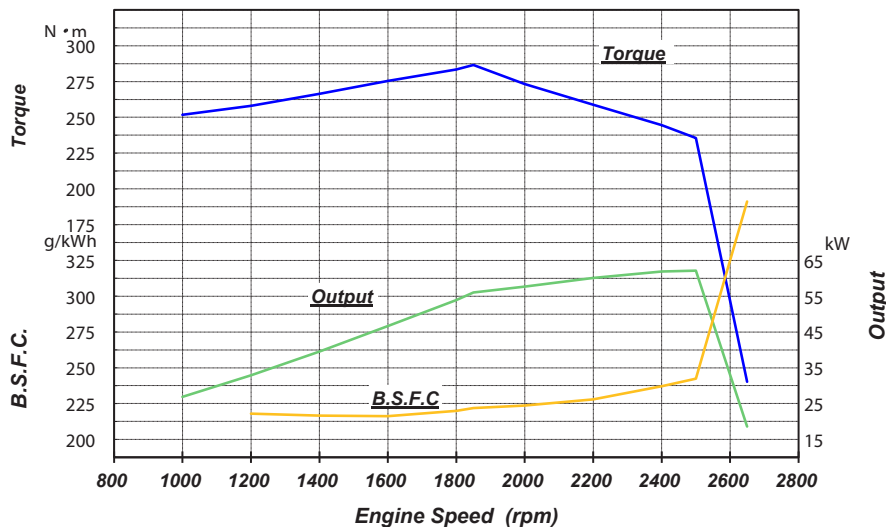
### Dimensions & Performance Data & Quick Specs

Length / Longitud 31.14 in (791 mm)

Width / Ancho 21.65 in (550 mm)

Height / Altura 34.02 in (864 mm)

Dry Weight / Peso en seco 573 lbs / 260 kg



### Reliable & Durable

The TNV engines now proudly take up the running as Yanmar's premium small industrial diesel. They offer even more enhanced durability due to better block cooling, a stiffer crank and pistons, finer tolerance in the journal and more. CAE analysis has brought lower vibrations and higher strength to the mounting structure for even better reliability in heavy-duty jobs.



### Clean Emissions

Building off the proven TNE design, Yanmar has achieved superior exhaust emissions by improving the combustion chamber and fuel injection equipment design. Engines are compliant with Tier 3 and EU stage III A exhaust emissions regulations.



### Fuel Delivery and Economy

A newly designed, Distributor-Type MP4 Fuel Injection Pump is utilized to assure more precise fuel delivery and control. The result is reduced emissions, improved performance over a wide range of applications and increased fuel economy which assures that Yanmar's reputation for superior starting characteristics continues.